

Transylvania University 2013–14 Catalog

The Transylvania University *Catalog* is intended for informational purposes only and does not constitute a contract between the university and the student. While this catalog presents policies and programs as accurately as possible at the time of publication, the university reserves the right to revise any section or part of the catalog without notice or obligation.

Transylvania University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools [1866 Southern Lane, Decatur, Georgia 30033-4097; Telephone number (404) 679-4501; Website www.sacscoc.org] to award the Bachelor of Arts degree.

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Transylvania University admits students regardless of age, race, color, ethnicity, religion,
gender, sexual orientation, disability, veteran status, national origin, or any other
classification protected by federal or state law or local ordinance.
Transylvania is a tobacco free campus.

About Transylvania

Founded in 1780 by an act of the Virginia legislature, Transylvania has been aptly described as a pioneer. Its name, in fact, stems from the university's location in the vast settlement region of western Virginia called Transylvania by a pioneering land company whose chief scout was Daniel Boone. This portion of Virginia, which would become Kentucky in 1792, still marked the nation's western frontier when Transylvania became the sixteenth college in the United States and the first college west of the Allegheny Mountains. As such, it has been linked with famous names in American history since its inception. Thomas Jefferson was an early supporter of the fledgling institution, and Henry Clay was both a law professor and a member of Transylvania's Board of Trustees. The university also takes pride in a distinguished roster of alumni who have helped shape American history, including two United States vice presidents, two U.S. Supreme Court justices, 50 U.S. senators, 101 U.S. representatives, and 36 governors.

In its early years, Transylvania included a school of medicine, a law school, and a seminary, as well as a college of arts and sciences. Today, Transylvania is a distinguished liberal arts college enrolling approximately 1,100 students. Transylvania University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools [1866 Southern Lane, Decatur, Georgia 30033-4097; Telephone number (404) 679-4501; website www.sacscoc.org] to award the bachelor of arts degree. Transylvania's education program is accredited by the National Council for Accreditation of Teacher Education at the initial teacher preparation level. Affiliated with the Christian Church (Disciples of Christ) since 1865, the university is also a charter member of the American Association of Colleges and Universities and a member of the American Council on Education, the Association of American Colleges, the National Association of Independent Colleges and Universities, the Southern University Conference, the Annapolis Group, and the National Collegiate Athletic Association (NCAA) Division III.

Transylvania offers 39 majors as well as the option of designing an individual major. Students are expected to gain a strong grounding in liberal education throughout their academic career at Transylvania. However, the university also emphasizes career planning and offers advising, practical experience, and resources. A major in any discipline allows entry to a wide variety of opportunities after graduation, ranging from graduate or professional school to specialized positions. Preparation for the latter is often achieved through majors in such fields as business administration and computer science.

Small classes and close student-faculty relationships are among Transylvania's most distinctive assets. Although many faculty members are recognized for their research and writing, their primary concerns are teaching and advising. Students repeatedly cite their personal relationships with the faculty as being among the most valuable aspects of their Transylvania experience.

Another distinctive asset is Transylvania's location in Lexington. The city, which lies in the heart of Kentucky's beautiful Bluegrass region, is among the most progressive and dynamic metropolitan areas in the nation. Home of the University of Kentucky as well as Transylvania, Lexington offers an exceptional range of cultural and recreational activities. Students and faculty take full advantage of these opportunities and regard them as a valuable extension of campus life.

Transylvania is concerned not only with students' intellectual growth, but also with their development as individuals. Participation in campus activities is an intrinsic aspect of student life. Students may choose to participate in music ensembles, theater productions, publications, political organizations, and student government, as well as in social, recreational, and athletic activities.

Now in its third century, Transylvania is a vital institution with a continuing commitment to the academic excellence that is its legacy.

Transylvania's Mission

Transylvania University's philosophy is that the scope, spirit, analytical approaches, and integration of knowledge inherent in liberal education are the best preparation for life beyond college. At the same time, Transylvania recognizes that specific career goals are important and integrates these within individual programs of study.

The nature and purpose of Transylvania are expressed in the following mission statement adopted by the faculty and Board of Trustees:

Through an engagement with the liberal arts, Transylvania University prepares its students for a humane and fulfilling personal and public life by cultivating independent thinking, open-mindedness, creative expression, and commitment to lifelong learning and social responsibility in a diverse world.

Transylvania University is committed to excellence in undergraduate education in the liberal arts and sciences. For over half of its distinguished history, the College has been affiliated with the Christian Church (Disciples of Christ), whose ideals of tolerance and freedom of inquiry the college shares.

The College believes that all students, no matter what career or vocation they choose, benefit from liberal education; and so the College encourages the free search for knowledge and understanding drawn from the natural and social sciences, the humanities, and the arts. By so doing, the College strives to empower students to develop lifelong habits of learning and intelligent, respectful discussion.

Transylvania aims to cultivate open-mindedness, independent thinking, creativity, lifelong learning, self-awareness, and social responsibility.

To support this mission, the College community values curiosity and thoughtfulness, as well as social, emotional, spiritual, and physical wellbeing. By encouraging students to participate and collaborate in learning, community service, and governance, the College seeks to prepare students for the responsibility of fostering a healthy society in a world shared by many different people, cultures, and nations.

Specifically, the College's goals for students are:

To develop students' intellectual and creative abilities;

To stimulate the search for knowledge;

To promote open and fair-minded examination and discussion of values in all forms of endeavor;

To encourage inquiry and conversation across the traditional academic disciplines;

To stimulate in students an understanding of themselves and their relation to others in a diverse, ever-changing world;

To promote opportunity for students to develop as independent thinkers and leaders;

To foster a campus community characterized by compassion, respect, ethical concern, and social responsibility; and

To establish a foundation for graduate and professional study and a variety of satisfying careers.

These goals, taken together, enable the College to provide its students with the basis for continuing intellectual development and for purposeful, responsible, and fulfilling lives.

Building on Transylvania's mission statement, the College has adopted the following commitment to diversity.

Commitment to Diversity

One major goal of Transylvania is to stimulate in students an understanding of themselves and their relation to others in a diverse, ever-changing world. We aim to foster a campus community characterized by compassion, respect, ethical concern, and social responsibility. Given these objectives and an enduring commitment to diversity, we affirm the following expectations:

To face the challenges and opportunities of the 21st century, Transylvania continually seeks to foster diversity within the campus community. All members of the university community should develop an inclusive attitude that is grounded in acceptance of and respect for the dignity of all peoples. This affirmation recognizes that each person has unique gifts and talents that are to be embraced and celebrated, thereby strengthening and enriching our community. We also acknowledge and strive to understand prevailing societal structures that may influence the status of minority groups. In our Transylvania community we value the richness that comes from a range of individual differences, including dimensions of age, culture, education, ethnicity, exceptionalities, gender, geographical origin, language, politics, race, religion, sexual orientation, and socioeconomic status.

In order to create an optimal campus learning environment, Transylvania University expects all students, faculty, staff, and visitors to honor these values.

2013–14 Academic Calendar

August Term

New Students Arrive on Campus.....	Aug. 9
Orientation for New Students.....	Aug. 10-11
Class Begins.....	Aug. 12
Last Day of Class.....	Aug. 30

Fall Term

Returning Students Arrive on Campus.....	Sept. 1
Classes Begin.....	Sept. 3
Fall Break	Oct. 14-15
Thanksgiving Holiday	Nov. 27-29
Reading Day	Dec. 9
Final Examinations	Dec. 10-13

Winter Term

Classes Begin.....	Jan. 6, 2014
Martin Luther King Jr. Holiday	Jan. 20
Spring Break	March 10-14
Reading Day	April 14
Final Examinations	April 15-18

May Term

May Term	April 23-May 20
Commencement	May 24

Residence Halls and Dining Hall

August Term

First Contract Meal Served (New Students)	Aug. 9, Dinner
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Fall Term

Residence Halls Open (Returning Students).....	Sept. 1-2, 10 a.m.-5 p.m.
First Contract Meal Served (Returning Students).....	Sept. 3, Breakfast
Thanksgiving:	
Last Meal Served	Nov. 26, Lunch
Residence Halls Close	Nov. 26, 6 p.m.
Residence Halls Open.....	Dec. 1, 10 a.m.
First Meal Served.....	Dec. 2, Breakfast
End of Term:	
Last Meal Served	Dec. 13, Lunch
Residence Halls Close	Dec. 13, 9 p.m.

Winter Term

Residence Halls Open.....	Jan. 5, 2014, 10 a.m.
First Meal Served.....	Jan. 6, Breakfast
Spring Break:	
Last Meal Served	March 7, Lunch
Residence Halls Close	March 7, 6 p.m.
Residence Halls Open.....	March 16, 10 a.m.
First Meal Served.....	March 17, Breakfast
End of Term:	
All Students Not Registered for May Term Must Leave Residence Halls	April 18, 5 p.m.

May Term

Residence Halls Close to All Students Except Graduating Seniors.....	May 20, 6 p.m.
Last Contract Meal Served	May 20, Dinner
Residence Halls Close	May 24, 5 p.m.

Admission to the University

Transylvania seeks students who have demonstrated the ability and motivation required to gain full benefit from a demanding program of liberal education and who will contribute to the total life of the university through excellence of character and high personal goals.

The Office of Admissions gives careful consideration to several factors in reviewing applications for incoming students. These include the high school academic transcript, scores on standardized tests (ACT and/or SAT), letters of recommendation, the admissions essay, and extracurricular activities. For transfer students, both college and high school transcripts are considered.

Students applying for admission to Transylvania should have a sound program of college preparatory courses. It is recommended that the program include a minimum of four units of English, four units of mathematics, four units of science, two units of social science, and two units in a foreign language. While these courses are not requirements for admission, they constitute the kind of educational foundation that is important for success at Transylvania. In unusual circumstances, the admissions committee may choose to exercise flexibility.

Two recommendations are required: one from the high school guidance counselor and one from a high school teacher or college professor who has had direct, recent experience with the applicant.

A personal interview with an admissions counselor on Transylvania's campus is strongly recommended. If this is not possible, the interview may be held in the high school, the home, or elsewhere when an admissions counselor is in the student's area.

Transylvania University admits students regardless of age, race, color, ethnicity, religion, gender, sexual orientation, disability, veteran status, national origin, or any other classification protected by federal or state law or local ordinance.

The Application

To be considered for admission, the high school applicant must submit the following:

1. The completed admissions application
2. The current, official high school transcript
3. An official ACT or SAT score
4. Two recommendations, as specified on the application form

Once a student has been admitted, a \$210 enrollment deposit is required to reserve a place in the entering class.

Special Application Procedures

Although the majority of our students enter the university directly upon graduation from high school, some enter under other circumstances. In those cases, the following procedures apply:

Early admission and enrollment at Transylvania are possible for outstanding high school students at the end of the junior year. A junior interested in early admission should contact the admissions office as early as possible. The procedure for applying is the same as for regular admission. A letter from the high school principal stating that the student will graduate at the end of the junior year is also required, and an interview with an admissions counselor or the director of admissions may be required.

Transfer students are welcome at Transylvania if they meet entrance requirements. Procedures for transfer students are similar to those for first-year students. Applicants must provide Transylvania with complete, official transcripts from all other colleges or universities attended. In addition, a final high school transcript or a copy of the GED certificate must be submitted. Two recommendations are required, following the instructions on the application form. Upon admission, the university will make every attempt to adapt credits earned at other institutions to Transylvania's curriculum.

Deferred admission is available to students who are graduating from high school but wish to defer the continuation of their education for up to one year, as long as the student does not attend another institution during that time.

Home-schooled applicants follow the same application procedures as their public and private school counterparts. The admissions office may request additional information detailing the applicant's course of study.

International students who do not have access to ACT or SAT testing, and for whom English is not the native language, must submit scores received on the Test of English as a Foreign Language (TOEFL). A score of 80 on the Internet-based test is required for consideration. International students offered admission must pay an enrollment deposit and submit a Verification of Finances form before Transylvania can issue a federal I20 form.

Readmission is generally required for students who have withdrawn from Transylvania, either voluntarily or through suspension. The procedure is handled through the Office of the Registrar.

Visiting the Campus

A campus visit is strongly encouraged as a means of becoming acquainted with Transylvania. Visits during the school week are of most benefit, but students may also visit on certain Saturdays through the academic year. In addition, Saturday open houses are held in the fall, and a visit day especially for high school sophomores and juniors is held in the spring.

Students planning to visit the campus should contact the admissions office at least two weeks in advance. Arrangements can be made to tour the campus, attend classes, speak with an admissions counselor, eat in the dining hall or grill, and meet with faculty and students. High school seniors are encouraged to stay overnight in a residence hall; overnight visits can be arranged for Sunday through Thursday evenings, except during finals week and holiday breaks.

The admissions office is located in the Glenn Building. Telephone numbers are (800) 872-6798 (TRANSY U) and (859) 233-8242; office hours are 8:30 a.m.-5 p.m. (Eastern Time) Monday-Friday and by appointment on Saturday.

For a campus map, go to www.transy.edu/about/campus_map.htm.

Special Admissions Opportunities

Transylvania participates in several programs designed to enable entering students to receive credit for academic work already completed. These include the following:

1. Academic credit for some college course work completed as a high school student. Courses must meet transfer requirements.
2. Advanced Placement (AP) program
3. International Baccalaureate (IB) academic program

For More Information

Applications and further information about admission are available from the

**Office of Admissions
Transylvania University
300 North Broadway
Lexington, KY 40508-1797
(800) 872-6798 or (859) 233-8242
www.transy.edu**

Financial Information

Transylvania is an independent, nonprofit educational institution. Tuition, fees, and other charges paid by the student represent only a part of the university's instructional and operating expenses. The balance needed to meet expenses and to fund continuing additions to the physical plant comes from the endowment fund and contributions by alumni, churches, businesses, foundations, and friends of Transylvania.

The university reserves the right to set new fees and charges as economic conditions change. Published notice of any change will usually be given well in advance of the effective date. Students are billed on a per-term basis.

Tuition

The tuition for full-time students for 2013-14 is \$30,280, and the general fee is \$1,280, for a total basic charge of \$31,560.

Room and Board Fees

Room. Full-time students (those taking three course units or more) are required to live on campus unless they meet any one of the following criteria: (1) achievement of senior status (completion of 27 course units before the beginning of fall term); (2) 21 years of age by the first day of classes of the fall term; (3) married; or (4) living with parent(s) or legal guardian(s).

Regular part-time students may not live on campus except under highly unusual circumstances and with the permission of the dean of students. Rooms may be occupied the day before classes begin at the start of each term and must be vacated on the last day of the term. Residence halls are not open during the Thanksgiving holiday, the period between fall and winter terms, and spring break.

Board. Service begins the first day residence halls open each term and ends on the last day of the term. Students living in university residence halls are required to eat in the campus dining facilities. No meal credit will be allowed for temporary absences.

2013-14 Fees. Room rates

Standard room rate for Clay, Davis, and Forrer halls: \$5,100 per year

Room rate for other residence facilities:

Hazelrigg Hall, Poole Residence Center, and certain university houses: \$5,250 per year

Rosenthal Complex: \$5,400 per year

Thomson Hall: \$5,600 per year

(The above rates are based on double occupancy, with the exception of Hazelrigg Hall, which is based on single occupancy.)

Single room supplement: \$1,700 per year

Meal plan

Standard meal plan: \$3,650 per year (Includes either a 10 meal per week plan plus \$350 flex dollars per term or a 14 meal per week plan plus \$200 flex dollars per term.)

Additional meal plan option:

19 meal per week plan: \$3,875 per year

May Term

Students who were enrolled full time and completed both fall and winter terms are eligible to attend May term at no additional charge for tuition or room and board. This includes students who study abroad either in the fall or winter term for one of the two terms. Students who were enrolled full time and have completed only **one** of the two previous terms (fall or winter) are eligible to attend May term with no additional charge for tuition but must pay prorated charges for room and board. Students who were **not** enrolled full time during one of the previous terms (fall or winter) pay a prorated tuition, general fee, and room and board charge for May term. Students who do not attend May term or who withdraw during May term do not qualify for a fee refund.

Students must be enrolled in at least one unit of credit during May term to live in campus housing during this period. Students who withdraw from the university during winter term cannot attend May term unless readmitted.

Please note for students whose first year at Transylvania began in the fall of 2012 or later, August term replaces one of the no-additional-charge May terms. These students may attend three May terms at no additional charge, subject to the requirements denoted above.

Part-time Tuition

Fees for part-time students for 2013-14 are \$3,360 per course unit. Part-time students are also charged a proportion of the general fee at the rate of \$145 per course unit.

Miscellaneous Fees

Late Registration/Enrollment Fee	\$150
Any student who fails to complete registration by the end of the designated period will be required to pay the late fee.	
Audit Fee Per Course	\$650
Regular students carrying a full load may audit without additional charge with the consent of the institution. Students may not audit applied music courses.	
Overload Fee Per Course	\$3,360
The overload fee is charged for credit enrollment at or beyond the overload level.	
Tuition Refund Plan	\$79/term
Student Services Deposit	\$210
All students must maintain a deposit.	
Late payment fee	\$20 per late payment
12-month payment plan fee	\$60 per term

Payment of Tuition and Fees and Financial Obligations

All accounts are payable in full on August 1 for the fall term and January 1 for the winter term except as described below. For more information, contact the accounting office.

A **12-month payment plan** is available. For the fall term, six monthly payments are due beginning July 1; monthly payments for the winter term begin January 1. A \$60 processing fee is charged per term.

Failure to meet an installment automatically cancels the privilege of class attendance.

No diploma, certificate, transcript, term grade report, letter of honorable dismissal, or letter of recommendation will be granted to students who have indebtedness to the university.

Students having any indebtedness to the university will not be permitted to complete enrollment for the following term's classes.

Sound business practice provides guidelines for all financial transactions with the university, including but not limited to the payment of fees and other obligations, bookstore purchases, and check cashing. These practices include a respect for accuracy and punctuality. The university deals with students and those granted specific authorization by the student when questions concerning these transactions arise.

Dropping or Withdrawing from a Course

Students dropping or withdrawing from a course that results in the student falling below full-time status will receive no reduction in tuition and fees if the change occurs after tuition charges become final, normally the fifth day of classes. (Specific dates are published in the campus calendar.)

Students dropping or withdrawing from a course that originally resulted in an academic overload will receive no reduction in tuition and fees if the withdrawal occurs after tuition charges become final, normally the fifth day of classes. (Specific dates are published in the campus calendar.)

Withdrawal from the University and Refunds

The completion of registration contractually obligates the student and the student's benefactors to pay all of the student's tuition and fees for the entire term. However, Transylvania has established a withdrawal and refund policy so that the university and the student may share the loss equitably when it is necessary for a student to withdraw. A withdrawal is considered official only upon the submission of a completed withdrawal form. Non-attendance does not constitute an official withdrawal.

Transylvania has adopted the federal refund calculation for all fees charged to a student's account. The fees charged to a student's account are directly proportional to the percent of enrollment period attended. Charges are prorated up to 60 percent of the enrollment period.

To determine the percentage of enrollment period attended, divide the number of days attended by the number of days in the enrollment period.

For example:

<u>If a student withdraws</u>	<u>Percent Charged</u>	<u>Percent Refunded</u>
Before the first day of class	0% charged	100% refunded
At 1% enrollment period	1% charged	99% refunded
At 2% enrollment period	2% charged	98% refunded
At 3% enrollment period	3% charged	97% refunded
.....
At 59% enrollment period	59% charged	41% refunded
At 60% enrollment period	60% charged	40% refunded
Beyond 60%	100% charged	0% refunded

Students who receive scholarships and/or financial aid of any kind will have their packages recalculated based on the same proportion as above, in accordance with the Higher Education Amendments of 1998, public law 105-244. This includes all sources of financial aid and institutional, federal, state, and all other outside types of assistance. Details can be found in the Federal Student Handbook available in the Office of Financial Aid.

Students have a right to appeal decisions made regarding financial transactions. The process begins with the student account specialist in the accounting office.

Students who cease attending class and/or receive non-passing grades in all courses in a given term, but who do not officially withdraw from the university through the Office of the Dean of Students, are subject to the same return of Title IV funds as documented above for official withdrawals. Non-attendance does not relieve students of the financial responsibilities for tuition and fees. Amounts of tuition and fees that were paid by financial aid and returned to the source in the above calculation based on the documented date of last attendance become the financial responsibility of the student.

Scholarships and Financial Aid

Financing a college education is an important concern for most families. Tuition, fees, room and board, books, and other expenses often make it difficult for families alone to pay the total cost of education at a college or university.

To help qualified students meet these expenses, Transylvania has established a strong financial aid program. The university's goal is to provide assistance to as many students as possible who have strong scholastic backgrounds, financial need, or special aptitudes or talents.

There are four basic types of financial assistance:

- | | |
|-----------------|-----------------------------------|
| 1. Scholarships | 3. Loans |
| 2. Grants | 4. Work-Study (campus employment) |

Scholarships are awarded each year to students with the best academic records. Grants are nonrepayable gifts to students based on financial need and should not be confused with scholarships, which are based on merit. Loans are to be repaid according to their individual terms. Campus employment is offered through the federally sponsored Work-Study Program to help students pay for part of their college expenses.

Transylvania uses the Free Application for Federal Student Aid (FAFSA) to provide an analysis of financial need. All final decisions regarding financial aid awards, however, are made by the university's Office of Financial Aid. Financial need is defined as the difference between the total cost of attending Transylvania and a family's ability to contribute to this cost. The total period of eligibility for financial aid cannot exceed 36 course units or completion of graduation requirements, and students must continue to make satisfactory progress toward a degree to maintain eligibility for financial aid.

Awards are made by the Office of Financial Aid after the applicant has been accepted for admission to the university and after all of the information required for financial aid consideration has been received.

Need-based financial aid awards are for one academic year and are reviewed annually. Financial aid is extended from one year to the next if the student continues to demonstrate need by completing the required FAFSA application annually. Adjustments are made each year to compensate for a family's changing circumstances and for changes in funding available to the university.

Scholarships awarded on the basis of academic merit are renewed automatically each year if the student maintains the conditions of the scholarship.

To receive financial aid, students must be in good academic standing with a cumulative grade point average of at least 2.0 or be in their first academic year at Transylvania. Students must earn at least seven units per academic year to continue receiving financial aid. Students must pass two-thirds of the cumulative units they attempt, and they must graduate in six years.

How to Apply for Financial Aid

Students seeking financial aid may apply for institutional, state, and federal aid programs through the Free Application for Federal Student Aid (FAFSA). This form is available at www.fafsa.ed.gov. Completion of the FAFSA is all that is necessary to apply for all financial aid programs, including Pell Grants and Kentucky Higher Education Assistance Authority Grants.

The FAFSA is required of all need-based financial aid applicants, regardless of dependency, marital, or residential status.

Transylvania's financial aid and scholarship application procedures involve the following steps:

1. A student must be accepted for admission to the university before the Office of Financial Aid can consider making an award. A student may, however, submit the FAFSA before admissions acceptance.
2. The FAFSA must be completed each year. Students are strongly urged to complete it as early as possible between January 1 and January 15 to receive maximum consideration.

After Transylvania receives all completed financial information, the student may be awarded a package of financial aid based upon need and merit. Every effort will be made to meet the needs of individual students. Students have the option of accepting or declining any or all portions of the package. Students also have the right to appeal any decision made by the financial aid office. For further instructions on how to properly appeal a financial aid decision, students should visit the financial aid office, Room 300, Old Morrison.

Federal Grants

Pell Grants are federal grants designed to provide financial assistance for postsecondary education. The federal government determines eligibility for a Pell Grant based on information a student provides on the FAFSA.

Supplemental Educational Opportunity Grants (SEOG), designed to supplement Pell Grants, are federal grants for students with exceptional financial need.

State Grants

Kentucky Higher Education Assistance Authority (KHEAA) Grants are available to Kentucky residents who demonstrate financial need and who are full-time students at eligible Kentucky institutions. Financially eligible students who choose to attend accredited private colleges and universities in Kentucky may have a tuition supplement included in their KHEAA grant.

Loans

Federal Perkins Loans

These are need-based loans from \$500 to \$2,000. The interest rate is fixed at 5 percent, and repayment is deferred while the student is in school.

Federal Direct Student Loans

Repayment of these loans is deferred while the student is enrolled in college. The maximum loan eligibility depends upon class standing:

- Freshmen - \$5,500 (\$3,500 of which can be subsidized)
- Sophomore - \$6,500 (\$4,500 of which can be subsidized)
- Junior - \$7,500 (\$5,500 of which can be subsidized)
- Senior - \$7,500 (\$5,500 of which can be subsidized)

The difference between the two types of loans is as follows:

Subsidized Loans are need-based, and the federal government pays the interest while the student is enrolled in school. The interest rate for subsidized Stafford Loans is determined by Congressional action.

Unsubsidized Loans are not need-based. The student is responsible for paying the interest, which can be paid quarterly or deferred until the student is out of school. The interest rate on unsubsidized Stafford Loans is determined by Congressional action.

Federal Direct Parent (PLUS) Loans

The Federal Direct Parent (PLUS) Loan allows parents to borrow up to the cost of a student's education minus any other financial aid the student is receiving. The interest rate is determined by Congressional action. For PLUS Loans disbursed after July 1, 2008, parents have the option of repaying the loan either 60 days after the loan is fully disbursed or waiting until six months after the student leaves school or drops below half-time enrollment.

The George L. Bagby Scholarship Loan Program provides loans to selected Kentucky students from funds contributed to the university. These loans are granted to supplement other financial aid and are usually awarded to returning students.

C. E. Schell Foundation Loans are available to students who demonstrate need, are under 25 years of age, and are residents of Ohio, Kentucky, West Virginia, or adjoining states.

College Work-Study

Offered through the federal College Work-Study Program, college work-study offers part-time work on campus to students who have received a work-study stipend as part of their financial aid package. Work-study stipends are based strictly on financial need, and emphasis is placed on students from low-income families. Students are paid the hourly minimum wage.

University Scholarships and Grants

William T. Young Scholarships are awarded each year to exceptionally well-qualified prospective first-year students. Recipients are chosen on the basis of superior academic achievement, leadership, and promise for development. The Young scholarship covers tuition and the general fee. Scholarships are renewed annually until graduation if recipients maintain a grade point average of at least 3.5 and continue to demonstrate the outstanding qualities that led to their selection. Selection is highly competitive and is based on merit alone.

William R. Kenan Jr. Scholarships are awarded to students with outstanding academic ability and demonstrated leadership skills. A minimum 2.6 grade point average is required for renewal.

Trustee Scholarships are awarded to students with outstanding academic ability and demonstrated leadership skills. A minimum 2.6 grade point average is required for renewal.

President's Scholarships are awarded to students with outstanding academic ability and demonstrated leadership ability. A minimum 2.6 grade point average is required for renewal.

James Morrison Scholarships recognize students with superior academic ability and distinctive leadership qualifications. A minimum 2.6 grade point average is required for renewal.

Pioneer Scholarships for Distinctive Accomplishment are awarded to students who have demonstrated strong academic ability and distinctive leadership qualities. For renewal, recipients must maintain at least a 2.6 grade point average.

Founders' Scholarships are awarded to students who have demonstrated strong academic ability and a variety of academic or nonacademic endeavors. Recipients must maintain a 2.6 grade point average for renewal.

Transylvania National Merit Scholarships are awards made to National Merit Finalists through Transylvania's participation in the National Merit Scholarship Program. Students take the Preliminary Scholastic Aptitude Test (PSAT) and the Scholastic Aptitude Test (SAT) while in high school. Semifinalists are announced by the National Merit Corporation, and finalists are selected from this group upon completion of the SAT. To retain the scholarship, students must maintain eligibility.

John R. Bryden Appalachian Scholarships are funded by the Steele-Reese Foundation of New York and other donors. These scholarships are awarded annually to well-qualified prospective first-year and transfer students. Recipients must be from southern Appalachia, be outstanding citizens of their schools and communities, and have financial need. Scholarships are renewable until graduation if recipients maintain a 2.6 grade point average and continue to demonstrate the outstanding qualities that led to their selection.

Kentucky River Properties Appalachian Scholarships are awarded to students living in Knott, Leslie, Letcher, or Perry counties in Kentucky who demonstrate financial need and meet certain academic requirements. Scholarships are renewable until graduation if recipients maintain a 2.6 grade point average.

Designated Scholarships are usually awarded in the name of a specific donor. Eligibility for these scholarships is determined from the admissions application or from a student's academic performance at Transylvania.

General Scholarship Endowment. Gifts from and in honor of individuals are held in Transylvania's general scholarship endowment and provide funding to support the institutional scholarship denoted.

Ashland Oil	J. P. Cobb	Mary Flood
Mr. and Mrs. C. E. Ball	Carol Codell	A. W. Fortune
Bank of the Bluegrass	Sterling Coke	J. W. & F. C. Gaines
Essie Moore Barnett	John Controulis	C. & E. Gant
J. C. Beatty	J. Conwell	M. C. Garth
Mirian Bell	Cox Memorial	Gatesby Books Memorial
Benjamin and Laura Harp	Paulina Thomas Crawford	J. Douglas Gay Jr.
Berman	Dr. Richard Henry Crossfield	R. M. Giddens
E. and F. J. Bishop	W. H. and Mary Belle Cole	Martha G. Giltner
H. A. Bledsoe	Crossfield	Glasgow Christian Church
G. Bohon	Dabney Fund	J. and M. A. Graddy
Nelle G. Bourne	Jefferson and Desiree Davis	G. K. Graves III
K. Bowden	J. T. Denton and Family	G. K. Graves Jr.
James M. Broadus	A. R. Des Cognets	J. C. Graves
Dr. G. W. Bronaugh	Anne Deskins	Lucy Graves
T. H. Bronaugh	Terry DeWolf	R. & J. W. Gregory
Susan Lunger Brown	Mr. and Mrs. L. R. Dingus	F. W. Grone
Joseph Buchanan	E. Dunlap	Martha V. Haggin
M. B. H. Burt	C. and L. Eason	C. M. Harbison
Gordon B. and Beth L. Carson	W. S. Fant	Mildred Tucker Hardcastle
Joseph and Alberdena Cedeyco	Artie Lynne Farish	Mrs. N. Harris
Central Christian Church	Mr. & Mrs. J. W. Farmer	Lucie T. Hart
C. B. Challice	Mr. and Mrs. R. Farris	William P. Haydon
Albert Benjamin Chandler	Lula Gorbandt Fegenbush	Rodney Hayes
H. H. Chinn Jr.	Fifth Third Bank	Woolfolk Henderson
Mitchell Clarke	Fitzpatrick Memorial	Cecil N. Henry

Mrs. M. G. Hildreth
 Henry Franklin and Ethel Jay
 Oatts Hill
 W. F. Holt
 Janet S. Humphrey
 Capt. R. B. Hutchcraft
 E. Jackoby
 Dr. L. C. Jeffries
 Francis Jennings
 L. L. Johnston
 Alice T. Karr
 W. C. Kenneth
 L. J. Kimmel
 Ward B. Kirk
 Rena Lawrence
 M.T. Leavy
 Professor J. L. Leggett
 W. E. Lehman
 Marjorie Peace Lenn
 I. W. Little
 W. H. Logan
 Mary Wallis Lowe
 Dorothy Reed Lykins
 Massie-Johnson Memorial
 L. T. McCarty family
 J. J. McClintock
 A. McDonald
 M. T. McEldowney
 R. McLain, H. A. Miller & P. H.
 Barnes

R. Milligan
 Ralph E. Mills Foundation
 M. C. Mitchell
 Sara Best Moeller
 I. P. Moore
 Ruth C. Moore
 James Moore
 Professor J. Morrison
 Mrs. C. F. Newton
 Mary Isabel Omer
 L. B. Overby
 Patterson Memorial
 F. F. Payne
 Mrs. M. D. Penniston
 William Henry Prewitt
 Ratliff Farm
 Reed Memorial
 Dr. W. S. & E. Reis
 E. R. Rice
 Kathleen Rowlinson
 L. Rucker
 W. Sale
 David C. Scott Foundation
 C. S. Sewell
 E. Snodgrass
 Starns Fund
 Student Government Assoc.
 Minority Scholarship
 A. H. Shropshire
 Mr. & Mrs. J. T. Talbot

Dr. R. J. R. Tilton
 Russell Todd
 N. D. Tolle
 Anna G. Turner
 C. S. Van Winkle
 N. P. VanMeter
 S. W. VanMeter
 Charlton and Lillian Wallace
 Clara Link Wallace
 S. H. & M. P. Walton
 J. N. and M. Ward
 B. E. Watson
 D. H. Watts
 Helen K. Wellman
 A. J. Whitehouse
 Winnifred Rush Whitney
 Katherine Lunger Willis
 N. C. Willis
 J. H. and G. B. Wilson
 B. S. Wisdom
 J. B. Wisdom
 Marcia Minor Wisdom
 William Temple Withers
 E. H. Woodruff
 H. A. Wright
 J. & M. York
 J. R. & E. B. York
 Jeff Young
 Zachary Church
 Frank E. Zorniger

ROTC Scholarships

Army ROTC Scholarships cover tuition and fees, a \$1,200 textbook allowance, and a \$300-500 tax-free monthly stipend during the academic year for each year the student is on scholarship. In addition, Transylvania provides three-year and four-year Army ROTC scholarship recipients at least the value of room and board. (This may be a combination of scholarships and grants.) Recipients must enroll in Army ROTC courses, which are taught in partnership with the University of Kentucky on its campus. Upon graduation, recipients receive a commission as a second lieutenant in the U.S. Army. For more information contact the Army ROTC office at the University of Kentucky, (859) 257-6865 or 6864, or visit armyrotc.as.uky.edu.

Air Force ROTC Scholarships, through a partnership with the University of Kentucky, offer two- to four-year college scholarships in all majors. Air Force scholarships are capped at various amounts: Type 1 has no cap, Type 2 is capped at \$18,000, and Type 7 is capped at \$9,000. Recipients receive a \$900 textbook allowance and a \$300-500 tax-free monthly stipend during the academic year. In addition, Transylvania will provide to each three- and four-year recipient at least the value of room and board. (This may be a combination of scholarships and grants.) Upon graduation, recipients receive a commission as a second lieutenant in the U.S. Air Force. For more information contact the Air Force ROTC office at the University of Kentucky, (859) 257-7115, or visit afrotc.as.uky.edu.

Christian Church (Disciples of Christ) Scholarships

Cane Ridge Scholarships are awarded to Christian Church (Disciples of Christ) entering students who have demonstrated exceptional national leadership in the church and who are exploring a church vocation. Scholarships are renewable if recipients maintain a 2.6 grade point average and are actively involved in church ministries or activities.

Guy and Nell Waldrop Disciples Leadership Scholarships are awarded to Christian Church (Disciples of Christ) entering students who have demonstrated exceptional regional leadership in the church. Scholarships are

renewable if recipients maintain a 2.6 grade point average and are actively involved in church ministries or activities.

Disciples Chalice Grants are awarded to Christian Church (Disciples of Christ) entering students who are recommended by their minister and who demonstrate financial need according to the FAFSA.

Transy and TEAM Grants are awarded to participants in the Transy and TEAM (Totally Excited About Ministry) program. Scholarships are renewable if recipients maintain a 2.6 grade point average and are actively involved in church ministries or activities.

Minister's Dependent Grants are available to dependents of ministers or missionaries who earn their primary salary in Christian Church (Disciples of Christ) or United Church of Christ ministries or vocations. Students must also demonstrate financial need according to the FAFSA.

Church membership must be verified by your minister by February 1 of your senior year. The Cane Ridge Scholarships, Guy and Nell Waldrop Disciples Leadership Scholarships, and Disciples Chalice Grants require a letter of recommendation from a minister. If a student is eligible for multiple Disciples awards, only the highest award may be offered.

Endowed Scholarships

Harold E. and Mildred F. Abbott Scholarship
ADIUVO Endowed Scholarship
Opal and Gabriel C. Banks Scholarship
Essie Moore Barnett Scholarship
James E. "Ted" Bassett III Endowed Scholarship
P. J. Baugh Sr. Scholarship
H. Gordon Bechanan Memorial Scholarship
Benjamin and Laura Harp Berman Scholarship
Paul Biddle Endowed Scholarship
B'nai B'rith Brotherhood Scholarship
Bolin/Chandler Scholarship
Frances Borres, M.D. Memorial Scholarship
Bourne Scholarship
Lila Boyarsky Scholarship
William Newton Briney Memorial Scholarship
Judge J. Gregory Bruce Scholarship
William Gregory Bruce '60, M.D. Endowed Scholarship
Stewart and Virginia Bruner Endowed Service Scholarship
John R. Bryden Appalachian Scholarship
Clyde and Emma E. Buckley Scholarship
Thomas Buckner Scholarship
Laura A. and Aristides S. Candris Scholarship
Gordon B. and Beth Carson Scholarship
Central Christian Church Scholarship
Chandler/Bolin Music Scholarship
Class of 1961 Endowed Scholarship
Class of 1967 Endowed Scholarship
Bryan Clark Scholarship
Mitchell Clarke Scholarship
Dr. William M. Clay Memorial Scholarship
James C. Codell Jr. Scholarship
E. P. Coleman Scholarship
Columbia Healthcare Corporation Scholarship
Emily Hedden Conway Scholarship for Chi Omega
John and Ruby Cook Memorial Scholarship
Ewing Cossaboom Scholarship
Paulina Thomas Crawford Scholarship

W. H. and Mary Bell Cole Crossfield Scholarship
Richard Henry Crossfield Scholarship
Adrienne Dantin Memorial Scholarship
Ella L. Delap Memorial Fund for International Music Travel Scholarships
E. W. Delcamp Scholarship
Delta Delta Delta Centennial Summer Study Abroad Scholarship
Anne Deskins Scholarship
Dowd/Harrison County, Ky. Scholarship
F. A. Dowd Scholarship
Fred Scott Downing Memorial Scholarship
G. L. and Elsie Downing Scholarship
Marjorie and David Drye Scholarship
William C. and Doris Ellis Scholarship
Ruth Huffman Estes Scholarship
Frances Eward Scholarship
H. Bennett Farris Scholarship
L. G. Fegenbush Scholarship
First Christian Church Scholarship, Maysville, Ky.
Fitzpatrick Memorial Scholarship
John E. Fryer Endowed Scholarship
Paul E. Fuller Scholarship
J. D. Gay Sr. Scholarship
John T. Gentry Scholarship
Martha Giltner Scholarship
James F. Glenn Scholarship
Jesse and Mary Graddy and Florence Graddy Kennedy Scholarship
Gray Art Endowment for Travel and Enrichment
Sharridan Kawaja Greer '75 Scholarship
Virginia Clark Hagan Memorial Scholarship
Joseph W. Hagin Scholarship
Hardy Williams Scholarship
Hart Scholarship
Lucie T. Hart Scholarship
Rodney Hayes Scholarship
William Randolph Hearst Scholarship for Minority Students

Mary Nance Helm Scholarship
 The Hodges Scholarship
 Joyce Swango Holmes Scholarship
 R. T. Howard Memorial Scholarship
 Leslie F. Howell Jr. Scholarship
 Janet Seaton Humphrey Scholarship
 Hutchings Tandy Memorial Scholarship
 JGK III Scholarship
 Karen Crissman and Douglas P. Johnson Endowed
 Scholarship
 Grover Cleveland Jones Scholarship
 John Marshall Jones Scholarship
 Virginia Kalusy Memorial Scholarship
 Alice T. Karr Scholarship
 Roger H. and Sudie Maupin Karrick Scholarship
 Keeneland Scholarship
 William R. Kenan Jr. Scholarship
 Kleiser Scholarship
 Margaret H. and Richard W. Knowlton Scholarship
 KRCC Scholarship
 Bess Kriegel Scholarship
 Ella Jean Northcutt Kromer Scholarship
 Charles Bennett Lake Memorial Scholarship
 Elizabeth Rae Claxton Landolt Memorial Scholarship
 Lena Lawrence Scholarship
 Margaret T. Leavy Scholarship
 W. E. Lehman Scholarship
 Dr. Marjorie Peace Lenn Memorial Scholarship Fund
 Benjamin Franklin Lewis Scholarship
 M. W. Lowe Scholarship
 Dorothy R. Lykins Scholarship
 Virginia Heinlein Macke Endowed Scholarship
 Hildreth Maggard Scholarship
 William A. Marquard Endowed Scholarship
 Maxine Troxel McIntyre Scholarship
 Mary Frances Brown Mellen Scholarship
 Professor James E. Miller Endowed Scholarship
 J. M. and C. R. Miller Scholarship
 Ralph Mills Scholarship
 Charles D. Mitchell Sr. Scholarship
 Sara Best Moeller Scholarship
 Robert Downman Montgomery Memorial
 Scholarship
 Earle H. and Catherine O'Donnell Scholarship
 William P. Oliver Scholarship
 Mary Isabel Omer Scholarship
 Shelby and Nola U. Parks Scholarship
 Alexander Headley Peck Jr. Scholarship
 E. Ray Phelps Scholarship

Phi Kappa Tau Moosnick Scholarship
 P. T. Powell Scholarship
 David and Mary Graham Prewitt Scholarship
 Providian Scholarship
 Nazaretta Hays Price Memorial Scholarship
 Sarah Hombach Price Memorial Scholarship
 Mary J. Quenette Scholarship
 Barbara Sue Rea Memorial Scholarship
 Frank Rose Scholarship
 W. L. Rouse Jr. Endowed Scholarship
 Frankie Mae Milton Rush Scholarship
 Nick Sanders '53 Scholarship
 Sanders-Siebers Endowed Scholarship
 Honorable Charles F. Satterwhite Scholarship
 David C. Scott Scholarship
 Seifert Study Abroad Scholarship
 Ralph D. Sharp Memorial Fund
 Charles L. and Susan P. Shearer Endowed
 Scholarship
 Smith Music Scholarship
 Bert E. Smith Scholarship
 Kenneth Snyder Scholarship
 Carol Spotts Scholarship
 Willie Mae Montague Stephenson Memorial
 Scholarship
 George Stopp Scholarship
 Elizabeth T. Sympson Scholarship
 W. B. Terry Scholarship Fund
 Max M. and Ruth L. Tharp Memorial Scholarship
 J. Richard Thompson Student Leadership Prize
 David Jo Turner Scholarship
 Transylvania Woman's Club Scholarship
 Faull S. and Betty Hailey Trover Scholarship
 Anna Turner Scholarship
 Charlton and Lilliam Wallace Scholarship
 Clara Link Wallace Scholarship
 J. N. and Mary Ward Scholarship
 Anabel Couch-Ida Watson Scholarship
 Helen K. Wellman Scholarship
 Susan Martin Wells Scholarship
 Ronald F. Whitson Memorial Scholarship
 Catherine Van Arsdall Willis Scholarship
 Kathryn Lunger Willis Scholarship
 J. H. and G. B. Wilson Scholarship
 David A. Windley Scholarship
 Professor John D. Wright Jr. Scholarship
 Wyncom, Inc. Scholarship
 William T. Young Scholarship
 F. Zorniger Memorial Scholarship

Notice

Transylvania University reserves the right to award any of the previously mentioned scholarships on a need or merit basis, depending on the individual situation. No award is automatic, and we award financial aid within the framework of available funds and within federal guidelines when aid is based on determination of need. With the exception of specific scholarship deadlines stated on the admissions application, Transylvania has set no definite

deadline regarding application for financial assistance, but prospective applicants should understand that the earlier they apply, the better the chances are that funds will be available. Renewal of scholarships is contingent on academic performance, along with high standards of personal conduct, good citizenship, and availability of specific awards.

The names and other directory information respecting students receiving scholarships may be publicly disclosed by Transylvania, including notification of recipient names to scholarship donors. See the Transylvania University Notification of Rights Under Family Education Rights and Privacy Act of 1974 (FERPA), published annually, regarding your ability to opt out of such disclosure.

Student Affairs

Transylvania recognizes the importance of each student's experience outside the classroom and endeavors to make it complementary to academic life. The administrative area known as Student Affairs has as its primary objective the establishment of a learning environment that challenges and encourages students to be informed, involved, and responsible.

The Student Life staff coordinates extracurricular experiences in the following areas: residence life, the Campus Center, community service and leadership, student activities and organizations, interfaith life, counseling, and student health. Staff members also work directly with the peer judicial process, student government, and public safety. While students get involved in programs and services according to their own needs and goals, Transylvania encourages each student to explore new and unfamiliar ground. It is hoped that students will test themselves, explore different points of view, develop their decision-making skills, and accept individual responsibility as part of their total educational development.

Transylvania establishes and maintains behavioral standards and community regulations for which there is a demonstrated need. The objectives of our standards include the development of maturity in moral and social behavior as well as the cultivation of intellectual excellence. The mutual expectations that students and the university hold of one another are contained in the Statement of Student Rights and Responsibilities in the Transylvania University Student Handbook.

Selected Regulations and Services

Students may have automobiles on campus if the vehicles are registered with the Department of Public Safety. Parking space is limited, therefore the most desirable parking areas are assigned on the basis of total course units earned (class standing).

Transylvania permits the use of alcoholic beverages on campus only when it is in compliance with state law (KRS 244.085), local ordinances, and the regulations of the university. The possession, use, or sale of illegal narcotics and drugs is strictly prohibited on campus.

Cross-gender visitation is permitted in the residence halls, when guests are escorted by a resident.

Specific information about the processes for adjudicating misconduct can be obtained from the dean of students or reviewed in the student handbook.

All full-time students, resident or commuter, may use the health service in Forrer Hall. The office is staffed by a registered nurse and part-time physicians and is equipped to meet routine first aid and health needs. When necessary, the nurse refers students to local physicians or hospitals. On-campus counseling for students is available in the William T. Young Campus Center.

Housing Requirements and Residence Life

Group living provides students with unique opportunities for personal growth, development, and education. Transylvania's residence life programs are designed to support the university's objectives of meeting students' intellectual, spiritual, physical, social, and emotional needs. The staff works to promote competency in community living, which incorporates both social responsibility and independence. The university's requirement for on-campus living is part of the overall commitment to these ends.

All full-time students (those taking three course units or more) are required to live on campus unless they meet one of the following criteria: achievement of senior status (completion of 27 course units before the beginning of fall term), 21 years of age by the day of fall term final enrollment, married, or living with parent(s) or legal guardian(s).

Compliance with the university housing requirement is a condition of enrollment, and a student who lives off campus contrary to this regulation will be subject to sanctions. Students with truly extenuating circumstances must apply to the dean of students to be reviewed for an exemption from these requirements. Requests will not be considered while a student is not complying with the housing requirement. Seniors are encouraged but not required to live on campus.

To reserve a room in any of the residential facilities, a \$210 student services deposit must be maintained with the university. This deposit (minus any necessary deductions) will be carried over from year to year. When the student leaves the university, the unused amount will be refunded. The student services deposit must be restored to the original amount before the student can enroll for the next term.

Regular part-time students may not live in the residence halls except under highly unusual circumstances and with the permission of the dean of students.

The residence hall program is administered by professionally trained persons and by a carefully selected and trained group of upper-class students called resident advisors (RAs). One RA is located in each living unit of about 40 students, and a staff member is on duty each day and night throughout the term. The RA staff takes seriously its role of maintaining a positive and healthy living environment that supports the academic endeavor. This is accomplished by keeping in close contact with residents, planning and presenting varied programs within the living unit, and setting and interpreting behavioral expectations.

Students who live in the residence halls dine in Forrer Dining Hall, the Rafskeller, Jazzman's Café, and the 1780 Café. Room and board is a combined program, and residents are charged for meals on a group-rate basis that takes into account the meals a student might miss during the school year. For this reason, students receive no rebates for missed meals. However, a variable meal plan is available. Students are offered a varied menu, and extended dining periods are scheduled. Special meals are available for students with medical or special dietary needs.

First-year women live in Forrer Hall, and first-year men live in Clay Hall. All rooms are designed for double occupancy. In these traditional residences, communal bath and restroom facilities are located on each floor.

Single rooms, if requested and if available, are assigned to students on the basis of course units earned and typically are not assigned to first-year students. An additional fee is charged for a single room.

Each student is supplied with a single bed, closet, bureau, desk, chair, and wastebasket. In most cases, window shades and study lights are provided, and all rooms have a private telephone with voice mail, Internet access, individually controlled heating and cooling units, and cable television access.

Sophomores, juniors, and seniors may choose from several living options including suites for four (two rooms sharing a bathroom), apartments for two or four, single rooms, and traditional two-person rooms. Upper-class students live in Davis Hall, Forrer Hall, Hazelrigg Hall, Poole Residence Center, Rosenthal Residence Complex, and Thomson Hall.

There is no specific time (curfew) by which students must be in the residence halls at night. The halls are locked and accessible only to resident students.

Guests may visit in the residence halls with the invitation and escort of a resident host.

Pets, except fish in an aquarium, are not permitted in the residence halls because of state and local health regulations and housekeeping limitations.

For reasons of safety, students are not permitted to have, keep, or store any weapon or firearm in their rooms.

All residence halls are tobacco free.

More specific information on residence hall living can be obtained from the residence life office or the student handbook.

Student Involvement

The Office of Student Involvement and Leadership aspires to enrich campus life and complement the classroom experience by providing meaningful student programs, services, and opportunities that foster personal growth and skills that are vital to the development of engaged citizens and future leaders. Transylvania challenges and supports students with opportunities that develop their leadership capacity and creativity through participation in student organizations, leadership programs, and campus events. More than 80 student organizations and groups, sponsoring extensive activities, provide opportunities for students to become involved in campus life.

More information about student activities and organizations can be obtained from the student involvement and leadership office in the William T. Young Campus Center. A partial list of organizations follows to illustrate the diversity of opportunities.

Planning Organizations

Student Activities Board (SAB)—composed of students who plan, initiate, and implement campus-wide programming through dances, special celebrations, lectures, fine arts, and creative recreation.

Student Alumni Association (SAA)—stimulates student interest and participation in the life of the university and its alumni association, preserves Transylvania's traditions, acclimates students to the role of alumni, and develops students' leadership skills.

Student Government Association (SGA)—ensures maximum student participation in the university decision-making process as the official representative organization of the student body; serves as a liaison between the student body and the faculty, administration, and Board of Trustees; and promotes the general welfare of Transylvania.

Media

Crimson—the student yearbook; records the most memorable events of each year.

The Rambler—the student newspaper; provides an active forum for news, information, and ideas that affect members of the Transylvania community.

The Transylvanian—the literary and art journal; provides students, faculty, and staff with an opportunity to publish literature and two-dimensional art in a high-quality format.

WTLX—the student-operated radio station; provides campus news, sports, and music to the student body.

Leadership Honoraries

Omicron Delta Kappa—a national organization, headquartered on the Transylvania campus, that recognizes students who have exhibited outstanding leadership and scholarship. This group helps coordinate new student orientation.

Order of Omega—a national Greek honor society that recognizes fraternity and sorority members for outstanding contributions to the Greek and general campus communities through leadership, service, and scholarship.

A partial list of honoraries whose membership is determined primarily by academic criteria is located in the Academic Program section of the Catalog.

Special Interest Groups

Examples of the many special interest groups available to students include:

Diversity Action Council—serves as a support group and strives toward a greater awareness of racial, ethnic, and cultural issues in the Transylvania environment.

Transylvania College Democrats and Transylvania College Republicans—allow students the opportunity to explore and learn about politics firsthand.

Karate Club—fosters physical, emotional, and individual strength through the martial arts. Promotes students through belt ranks.

Departmental Organizations

Transylvania offers more than a dozen departmental organizations. These include, for example, the groups listed below.

Kentucky Education Association—Student Programs (KEASP)—stimulates interest in and better understanding of the education profession and related societal and developmental issues.

Society of Physics Students—provides an opportunity for physics students to organize extracurricular educational experiences and to assist science classes with special projects.

Transylvania Chapter of the American Chemical Society—provides students of chemical science an opportunity to meet, gain experience in presenting technical material, and develop a professional pride in chemical sciences. Promotes campus-wide understanding of and involvement in the chemical sciences.

Service Organizations

Transylvania offers multiple organizations that involve students serving both campus and the surrounding community. These include:

Alternative Spring Break—an affiliate of the national BREAKAWAY organization, this group designs, raises funds for, and implements select weeklong community service projects across the country each spring.

Crimson Crew—student volunteers, chosen by the admissions office, who act as tour guides and hosts for prospective students and their parents.

Greek Social Organizations

Interfraternity Council (IFC)—helps coordinate and promote fraternity life on campus. Each of the four national fraternities is represented on the council.

Delta Sigma Phi—strives to promote leadership and growth in its individual collegiate members as well as to foster the bonds of brotherhood and friendship in the fraternity as a whole.

Kappa Alpha Order—for men of common ideals, those of the Southern gentleman. The group works to promote a social bond and a tie that will continue after college.

Phi Kappa Tau—strives to foster growth in its members through collective concern and participation. This fraternity encourages its members to make the most of their college careers by working together as brothers.

Panhellenic Council—works to promote a positive sorority image by upholding good scholarship and high standards of ethical conduct and by working toward harmony and understanding among all students. Each of the four national sororities is represented on the council.

Alpha Omicron Pi—encourages a spirit of fraternity and love among its members while standing at all times for integrity, dignity, scholarship, and college loyalty.

Chi Omega—works to promote learning and creditable scholarship, develop vocational interests, foster close friendships, create good social and civic service, encourage participation in high-quality activities, and maintain a high standard of membership in the sorority.

Delta Delta Delta—strives to establish a perpetual bond of friendship among its members, to develop a stronger and more womanly character, to broaden moral and intellectual life, and to assist its members in every way possible.

Phi Mu—aims to bring to its members a bond of friendship through its teachings and precepts, to cooperate with the university in attaining high scholastic and cultural standards, and to provide a home for its collegiate members.

Religious Organizations

All of Transylvania's religious organizations are student led and open to any student regardless of faith tradition.

Campus Crusade for Christ gathers weekly for prayer, Bible study, and Christian fellowship.

Disciples on Campus (DOC) hosts a variety of activities including guest speakers and group discussions on issues surrounding faith, education, and culture.

Transylvania Catholic Organization strives to build a campus community by drawing together students, faculty, and staff to converse about the Catholic faith and to support ideals of a Christian life.

Athletics

Transylvania is a member of the National Collegiate Athletic Association (NCAA) Division III and competes in the Heartland Collegiate Athletic Conference (HCAC), a league comprised of 10 academically selective schools in Indiana, Kentucky, and Ohio. In addition, the university holds associate memberships in the Ohio Athletic Conference for its men's and women's swimming and diving teams and in the Southern Athletic Association for its field hockey team. It also holds full memberships in the National Cheerleading Association and the National Dance Association for those two sports, and in the Intercollegiate Horse Show Association for its men's and women's equestrian hunt seat teams.

Transylvania sponsors 24 varsity teams: men's and women's basketball, cross country, track and field, golf, soccer, swimming and diving, lacrosse, equestrian, and tennis; women's field hockey, softball, volleyball, dance, and cheerleading; and men's baseball.

A total of 390 student-athletes competed on Transylvania's varsity teams in 2012-13. With approximately 40 additional students involved as team managers, student trainers, and sports information assistants, over 25 percent of the student body is actively involved in intercollegiate athletics.

Transylvania's teams have consistently captured conference regular-season and tournament titles, and individuals have earned recognition as players of the year or coaches of the year, both in the HCAC and the region. In 2012-13, four teams won Heartland Conference championships, and three teams qualified for NCAA Division III postseason play.

Transylvania student-athletes performed just as impressively in the classroom, compiling a cumulative grade point average of better than 3.0, with 33 being named to the All-Conference Academic team. These achievements reflect Transylvania's commitment to the NCAA Division III model of emphasizing academic excellence along with success on the field of play.

The centerpiece of Transylvania's athletics facilities is the Clive M. Beck Athletic and Recreation Center. This state-of-the-art center includes a performance gymnasium seating 1,200, recreational gym, fully equipped fitness center, walking/running track, and multipurpose dance/aerobics studio. Other varsity venues include John R. Hall Field for softball, field hockey, and women's soccer; Thomas Field for men's soccer; William A. Marquard Field for baseball; a competition-size swimming and diving pool in the William T. Young Campus Center; and a new hard-surface tennis complex. In the fall of 2013, a new outdoor facility is scheduled to open on Fourth Street. Featuring lighting, artificial turf, and a state-of-the-art track, it will be the new home for men's and women's soccer, lacrosse, and track and field teams, and the field hockey team.

Transylvania is committed to providing an athletics program that meets the interests and abilities of all students. We encourage you to evaluate our commitment to gender equity by requesting a copy of our annual report as required under the Equity in Athletics Act and by obtaining similar reports from other institutions.

Intramurals

Transylvania's intramural program is integral to the university's educational mission and operates under the principles of amateur athletics as established by the university and the National Intramural Recreational Sports Association. The program strives to provide activity, entertainment, and a rallying point for students, faculty, and staff. The emphasis is participation and enjoyment, while also providing students with opportunities to show leadership and responsibility as they organize the teams, plan the schedules, and officiate the contests. Traditional intra-campus rivalries help develop social values and promote physical fitness.

The intramural program is extremely popular, with about 50 percent of the student body participating in 24 athletics activities. Available events include football, horseshoes, dodgeball, cornhole, kickball, golf, cross country, billiards, volleyball, table tennis, badminton, racquetball, disc golf, basketball, swimming, bowling, darts, softball, tennis, three-on-three basketball, soccer, beach volleyball, and ultimate Frisbee.

The Academic Program

Transylvania is firmly committed to the concept of liberal education. For an education to be of lifelong value, a student must acquire mastery of basic skills, have a broad exposure to and appreciation for the wide varieties of knowledge and expression, and pursue some discipline in depth.

Basic skills are emphasized in First Engagements (August term) and First-Year Seminar programs and in many of the introductory courses of the various programs. Broad exposure is provided by distribution, or general education, requirements. Major patterns offer students a wide choice of in-depth study. Off-campus study, travel-study, and internship programs add further options. A low student-faculty ratio and an advising and counseling program provide students with personal attention and guidance so that each may benefit fully from the opportunities available. Many academic support services, facilities, and organizations extend education beyond the classroom into the lives of students.

Academic Advising

The Academic Advising Program is under the general supervision of the dean of the college and is coordinated through the Office of the Registrar by the associate dean of the college. Upon admission, each student is assigned a faculty mentor/advisor. After completion of registration during winter term of the student's first year, students may choose an advisor in their major or area of interest or another advisor with whom they had a class in their first year.

Career Development Center

The Career Development Center engages current and former students by helping them seamlessly translate their liberal arts experience into a fulfilling vocation. By educating our students, we endeavor to move them toward high levels of personal responsibility and self-efficacy that can sustain them throughout their professional lives.

August Term Requirement

August term is a three-week program required for entering first-year students, who take a single course, a seminar titled First Engagements. Basic texts are common to all students, and professors teaching the various sections of the course supplement their class with materials from their own academic disciplines. Each year, a faculty committee selects an overall academic theme for that August term.

The Summer Term

Transylvania regularly offers a summer term. A tentative schedule of courses is available in the Office of the Registrar after April 1.

Study Abroad and Other Off-Campus Programs

International study opportunities in various settings and for varying lengths of time are available to Transylvania students. Academic yearlong, semester, and summer study abroad programs are arranged through the Office of Study Abroad, while May term travel courses are offered by faculty members under the aegis of the dean of the college.

Students may participate in semester-length programs in the second term of the sophomore year or during the junior year, or in yearlong programs during the junior year. Because the general requirements of Transylvania's curriculum stipulate that eight of the final nine courses must be taken in residence, students do not normally study abroad during the senior year.

Participation in study abroad programs must be approved by the director of study abroad, and permission to transfer academic credit for particular study abroad courses must be granted by the registrar and academic program directors. A study abroad fee of \$500 is assessed for participation in programs whose fees are equal to or less than those charged by Transylvania.

Transylvania students may study abroad with many affiliated programs, including:

- Arcadia University's College of Global Studies
- Butler University Institute for Study Abroad
- Council on International Educational Exchange (CIEE)
- Danish Institute for Study Abroad (DIS)

- Firenze Arti Visive (art program in Florence, Italy)
- GlobalLinks/AustraLearn (Australia and New Zealand)
- Hansard Scholars Programme (political science internships in London)
- Institute for the International Education of Students (IES)
- International Partnership for Service Learning (IPSL)
- Kansai Gaidai University (Japan)
- Kentucky Institute for International Studies (KIIS)
- The School for International Training
- The School for Field Studies
- Transy/London Term at Regent's College
- University Babes-Bolyai (Transylvania region of Romania)

Transylvania students may enroll in courses at foreign universities or in study abroad programs sponsored by U.S. universities. Prior approval for academic credit must be secured from the study abroad office, the registrar, and academic program directors. Students seeking to enroll directly in foreign university courses must petition and receive approval from the Committee on Admissions and Academic Standards. Academic credit is awarded through the sponsoring institution and transferred to Transylvania.

Transy/London Term. Through a program at Regent's College, Transylvania students can spend a term studying in London, England. Most course offerings focus on the culture, economics, history, or politics of London, Britain, and/or Europe. American and international students live and study on a beautiful campus located in magnificent Regent's Park in north central London. The program is fully staffed by Regent's College administrators, faculty members, and residence life professionals.

Through Transylvania's affiliation with the **Kentucky Institute for International Studies**, sophomore and junior students may study for a semester in France, Germany, Mexico, or Spain. The academic program consists of courses in foreign language and humanities, and credit is awarded by Western Kentucky University and automatically transferred to Transylvania. Students live with host families.

Scholarships for study abroad are available for semester and summer study abroad programs. Individual Transylvania students may apply to use a portion of their institutional scholarship/grant money to pay formal expenses (tuition, room and board, fees) for one semester of an accredited or otherwise formally approved academic study abroad program during their sophomore or junior year. Grants awarded for musical talent may not be used for study abroad. Approval to study abroad and use Transylvania award money is granted by the director of study abroad, the dean of the college, and the dean of students. Students may use federal and state aid for study abroad. Eligibility to use outside scholarships/grants will be determined by the financial aid office based on the criteria established by the granting agency or organization.

Several scholarships are available for summer study abroad. Transylvania nominates one to two students each year to the Kentucky branch of the **English-Speaking Union** which offers competitive scholarships for rising seniors to participate in summer study programs at either Cambridge or Oxford universities, or the University of Edinburgh.

May term travel courses. Transylvania faculty members regularly teach May term courses that include international travel. Recent offerings have included Introduction to the Fine Arts (London), Tropical Ecology (Belize), Political and Religious Narratives (Israel and Palestine), Drawing on Ireland (western Ireland), Forensic Accounting (Luxembourg, Switzerland, and Monaco), Roma et Hispania (Italy and Spain), and Arts and Social Action (Ecuador). Students may also participate in a Canadian Parliamentary Internship in Ottawa or a service trip to Ecuador during May term.

Summer study abroad. Numerous study abroad programs are available in the summer. Students may apply to participate in the continuing education programs offered by the universities of Cambridge and Oxford. Through Transylvania's membership in the Kentucky Institute for International Studies (KIIS), five-week programs are offered in Argentina, Austria, Chile, China, Costa Rica, Czech Republic, Denmark, Ecuador, France, Germany, Greece, Italy, Japan, Mexico, Poland, Ukraine, Spain, Tanzania, Turkey, and Ukraine. Many academic disciplines are represented, and all programs provide opportunities to learn more about other cultures. Transylvania offers scholarships for summer study abroad.

Domestic Off-Campus Opportunities. Transylvania students may participate in internships for academic credit in the nation's capital through **The Washington Center for Internships and Academic Seminars**. Participatory experiences are offered in foreign embassies, broadcast and print journalism, executive branch/public

administration, the Congress, foreign policy and international studies, business/international trade, and law and legal studies. Requirements and credit are determined by appropriate academic program faculty.

Internship and sponsored learning opportunities are available through a variety of university learning/work options. (See Sponsored Learning: Internships in the Curriculum section of the *Catalog*.)

Several specific types of sponsored learning opportunities are offered:

Kentucky Legislative Internships. Developed in cooperation with the Kentucky state government, these provide an opportunity for qualified students to become acquainted with the legislative process of the state government by working with legislators and legislative committees during sessions of the Kentucky General Assembly. Students also take a series of courses associated with the legislative internship.

Congressional District Office Internships. Developed in cooperation with the Sixth Congressional District Office, these internships permit qualified students to gain experience in and become acquainted with the operation and activities of a district congressional office for several months.

Reserve Officer Training Corps (ROTC). Under an inter-institutional arrangement with the University of Kentucky, Transylvania offers qualified students an opportunity to participate in Air Force and Army ROTC courses.

Students receiving ROTC scholarships must enroll for aerospace studies (Air Force) courses or military science (Army) courses at the University of Kentucky. In addition to the ROTC scholarships, Transylvania provides scholarships and grant assistance to cover the costs of room and board for all three- and four-year recipients. For more information, visit the Air Force and Army ROTC website at www.uky.edu.

Air Force Studies

- 1111 Aerospace Studies I (concurrent with AFS 1120)
- 1120 Leadership Laboratory (concurrent with AFS 1111)
- 1131 Aerospace Studies I (concurrent with AFS 1140)
- 1140 Leadership Laboratory (concurrent with AFS 1131)
- 2111 Aerospace Studies II (concurrent with AFS 2120)
- 2120 Leadership Laboratory (concurrent with AFS 2111)
- 2131 Aerospace Studies II (concurrent with AFS 2140)
- 2140 Leadership Laboratory (concurrent with AFS 2131)
- 3114 Aerospace Studies III (concurrent with AFS 3120)
- 3120 Leadership Laboratory (concurrent with AFS 3114)
- 3134 Aerospace Studies III (concurrent with AFS 3140)
- 3140 Leadership Laboratory (concurrent with AFS 3134)
- 4114 Aerospace Studies IV (concurrent with AFS 4120)
- 4120 Leadership Laboratory (concurrent with AFS 4114)
- 4134 Aerospace Studies IV (concurrent with AFS 4140)
- 4140 Leadership Laboratory (concurrent with AFS 4134)

The seminars and laboratories are one class hour, 0 unit, CR/NC courses that must accompany the appropriate aerospace studies courses as indicated.

American Military Studies

- 1101 Introduction to the Army (concurrent with AMS 3501 recommended)
- 1102 Introduction to Leadership (concurrent with AMS 3501 recommended)
- 2211 Advanced Leadership I (concurrent with AMS 3501 required)
- 2212 Advanced Leadership II (concurrent with AMS 3501 required)
- 3014 Leadership and Management I (concurrent with AMS 3501 required)
- 3024 Advanced Tactics (concurrent with AMS 3501 required)
- 3204 American Military History
- 3414 Leadership and Management II (concurrent with AMS 3501 required)
- 3424 Command Management (concurrent with AMS 3501 required)
- 3501 Military Science Laboratory
- 3951 Independent Study in Leadership

Fee adjustments due to participation in off-campus programs may be necessary. Students should consult the accounting office for detailed information.

Nontraditional Enrollment

Part-time, non-degree-seeking students, designated as special students, may register for regular courses through the registrar's office. Registration is subject to the following restrictions:

1. All prospective students must affirm their completion of high school or the GED or be approved by the dean of the college.
2. An individual denied admission as a degree-seeking student is not eligible to register as a special student.
3. After completing three courses, a person must have a cumulative grade point average of 2.0 or higher to continue as a special student.
4. No more than six full-unit courses taken as a special student may be applied to degree requirements.
5. Exemptions from any of the above restrictions may be granted by the dean of the college.

For detailed information, contact the Office of the Registrar, (859) 233-8116.

Academic Support Facilities and Organizations

Campus computing facilities exist for three distinct areas of campus activity:

1. Administration—a student information system for admissions, the registrar, student life, accounting, alumni and development, and TNet
2. Library—a Sun Enterprise Ultra server for the library catalog
3. Academics—clusters of Intel-based servers running VMware software that host virtualized Windows and Linux servers.

Each student is assigned a network account and disk storage space, a Moodle (course content) account, an email account, and a TNet account. Access to the network is provided by PCs in student labs, through connections in residence hall rooms (for students with their own PCs), through wireless connection in many buildings and common areas, and via VPN connections for commuting and off-campus students.

Computing facilities are available in numerous campus locations, including clusters in the library, Brown Science Center, Cowgill Center, Beck Center, Writing Center, Language Learning Facility, Technology Learning Center, and—on a 24-hour basis—the residence halls (Forrer, Clay, Poole, and Hazelrigg), and Rosenthal Commons. Wireless hot spots are available for use with appropriate devices in the Cowgill Center, Beck Center, Mitchell Fine Arts Center, Little Theater, Brown Science Center, Haupt Humanities, Glenn Building, Forrer Hall and lab, Clay Hall lobby, Davis Hall, Hazelrigg Hall, 331 North Broadway, Thomson Hall, 439 Fourth Street, 338/360 Upper Street, the library, and several common area and outdoor locations. More than 100 computers are available to students in lab settings, most of which run Windows 7 and Office 2010. Every computer lab has a high-speed network printer, and wireless Internet printing is available. The library has a color copier available for student use, a specialty graphics lab running Linux is available for computer science students, and a fine arts technology lab is accessible to students in certain fine arts courses. From off campus, students have web access to email, TNet, and Moodle, and they can connect to Transylvania's Intranet web pages via a portal connection. The Technology Learning Center in the library is available to everyone, and the information technology office offers help desk support from 8 a.m.-5 p.m. Self-service, web-based assistance also is available.

Software available to users in the labs includes Internet Explorer, Chrome, programming languages (C/C++, Java, Prolog, LISP, Perl, and BASIC), math (Maple), statistical packages (SPSS), and integrated packages (Microsoft Office 2010: Word, Excel, Access, Publisher, FrontPage, and PowerPoint), as well as various other software packages.

As the center of academic research on campus, the **J. Douglas Gay Jr./Frances Carrick Thomas Library** provides a place for students to gather to engage in intellectual discourse with their peers and to engage in the ongoing intellectual discussion in the scholarship of their fields. The library offers students, faculty, and staff a broad range of research materials. The collection consists of online resources, books, e-books, periodicals, films, and music designed to support current academic programs and courses. The online resources are available anywhere on or off campus 24 hours a day and provide access to the full text of more than 15,000 journals, 120,000 online books, hundreds of encyclopedias, and other resources.

Librarians enjoy helping students, faculty, and staff with their research, providing personalized and professional guidance. The library's goal is to ensure that Transylvania students know how to identify, find, and evaluate information from the plethora of sources available. Librarians work with students, both in classes and individually, to develop their research abilities. Librarians begin teaching students to be information literate in the First-Year Seminar and continue to work with upperclass students to further develop and translate those skills to their advanced studies.

The new section of the library, the **Academic Center for Excellence**, opens in fall 2013 and will house the Learning Skills Services and centralized tutoring services. It will provide space for students to have intellectual discussions with each other or with their tutors, as well as research support from the library. To further support students' academic work, it will also include a satellite of the Writing Center, the Technology Learning Center, and IT help. It will provide two small conference rooms, each with seating for 12 people, in which workshops and seminars may be held. These seminar rooms will have video conferencing capabilities so that students, faculty, or staff can participate in group video conference calls with people from anywhere in the world. Another room will provide space and equipment for students to video themselves doing presentations, which will allow them to observe and critique themselves and obtain critiques from others. To facilitate collaborative learning and creative group work, and to support tutors working with students, the ACE will have flexible furniture that moves based upon the need of the users, plenty of whiteboards, and large monitors that multiple students can plug their devices into to share what they are seeing, discussing, and creating.

In addition, the library aids students, faculty, and international researchers with the university's magnificent historic and rare collections. **Special Collections and Archives** houses the Clara S. Peck Collection, the Old Medical Library (used by Transylvania medical students from 1799-1859), the university archives, and the J. Winston Coleman Jr. Kentuckiana Collection, among others. Transylvania students of today are able to use the oldest academic collection in Kentucky and one of the oldest in the South.

The **Technology Learning Center**, located on the lower level of the library, offers assistance with technical projects such as spreadsheet development, PowerPoint presentation design, and the use of Microsoft Office software.

The library's **Educational Resources Center** contains children's books and K-12 teaching resources. It offers education students a teacher-planning laboratory.

The **Cowgill Center for Business, Economics, and Education** includes a high-tech, multimedia classroom, a general-purpose computer/teaching lab, and a specialized classroom for training education majors.

The **L. A. Brown Science Center** provides laboratories equipped for instruction in biology, chemistry, computer science, mathematics, and physics. Chemistry students can study on a nuclear magnetic resonance machine, biology students have access to a gene sequencer and a fluorescent microscope, and individual laboratory facilities are available for research. The building also offers computing facilities, including a specially equipped lab with workstations for computer science students. Several of the laboratories are newly renovated, and updates are being completed on others.

The **Cedeyco Language Learning Facility**, located in the Tower Room of Haupt Humanities, offers technological versatility that allows students to practice their language skills in a variety of contexts. The laboratory is equipped with top-of-the-line computers that offer language activities and a large-screen television for viewing foreign language films.

More than a "fix-it shop" for grammar and usage, the **Writing Center** is a hub of writing activity. The center is committed to helping students in all majors and disciplines develop lifelong writing habits. Its professional teaching staff and trained peer tutors offer one-on-one tutoring and small group conferencing. A network computer lab, library of writing reference tools, and comfortable group meeting spaces are available to students, faculty, and staff during regular office hours on a drop-in or appointment basis.

The **Behavioral Sciences Laboratory**, located in Hazelrigg Hall, provides facilities for research in psychology and sociology. It contains several testing rooms, including an observation room with a one-way mirror and audio recording equipment.

The **Lucille C. Little Theater** provides a highly flexible performance space, seating 100-150 spectators. Several actor-audience spatial relationships are possible, including proscenium, thrust, arena, and environmental staging. The dressing rooms and Green Room are both functional and pleasant, creating an inviting atmosphere for innovative work. The lighting instruments can be focused quickly and safely on the wire rope grid, and the fully computerized light and sound boards offer a variety of technical options. Onsite storage and scene shop facilities enhance production potential.

The **Mitchell Fine Arts Center** houses Haggin Auditorium, Carrick Theater, Morlan Gallery, scenery and costume shops, music practice rooms, and a technology lab. The recently renovated Coleman Hall provides space for recitals, rehearsals, and classes in stage movement, theater, and music.

The **Physiology Lab**, located in the Beck Center, is the site of laboratory activities for courses in anatomy and physiology, exercise physiology, and biomechanics, as well as faculty and student research. It is equipped with BIOPAC physiological recording systems, a treadmill and electronically braked bicycle for exercise studies, a metabolic cart to measure oxygen consumption and carbon dioxide production during exercise, and a bioelectric

impedance analyzer to estimate body composition. Using this state-of-the-art equipment, students gain hands-on experience while applying principles and concepts learned in the classroom.

Academic Honoraries

The Holleian Society was established in 1960 for the encouragement and recognition of superior achievement in liberal arts studies. Students are selected by the faculty on the basis of academic achievement. The society is named for Horace Holley, president of Transylvania from 1818-27. Transylvania also has chapters of **Phi Alpha Theta**, the national history honorary; **Alpha Lambda Delta** (first-year student honorary), **Alpha Kappa Delta** (sociology), **Psi Chi** (psychology), **Omicron Delta Epsilon** (economics), **Sigma Pi Sigma** (physics), **Sigma Delta Pi** (Spanish), **Pi Delta Phi** (French), **Pi Sigma Alpha** (political science), **Beta Beta Beta** (biology), and **Phi Alpha Delta** (prelaw). Campus societies include the **Science Honorary**, **Sodalitas** (classics), **Sigma Tau Delta** (English), and **Sophia**, the Transylvania University Philosophical Society.

Campus Media

In addition to serving as a means of student expression, the campus media offer opportunities for instruction and learning. The media are ***The Rambler***, the student newspaper; ***The Transylvanian***, the literary and visual arts magazine; ***Crimson***, the yearbook; and **WTLX**, the student-run radio station.

Speech and Debate

The **Transylvania Debate Team** is active in parliamentary debate, attending several tournaments each term. Transylvania is a charter member of the National Educational Debate Association. The debate program helps students develop skills in analytical thinking, research, argumentation, and public speaking. Some of these same skills, as well as those in writing and interpretation, are developed by members of the **Transylvania Speech Team**, which is active in the National Forensics Association and competes in a number of individual events tournaments throughout the year. The speech and debate teams are both affiliated with Pi Kappa Delta, a national forensics honorary. Involvement in speech and debate is open to all students and does not require previous experience.

Performing Arts Organizations

Transylvania University Theater offers a variety of theatrical experiences to the campus community. Each year, two to three major productions are staged in the theaters of Mitchell Fine Arts Center or Little Theater. Recent productions have included *Aloha Say the Pretty Girls*, *Antigone*, *Peer Gynt*, *Hamlet*, *Rhinoceros*, *Noises Off*, *Closer*, and *Carousel*. Opportunities are available to qualified students to direct, design, technically support, and act in the shows. In addition, two student groups produce plays and musicals each year. Auditions are open to all Transylvania students, and everyone is invited to participate.

The **Transylvania Choir** is an auditioned choral organization that studies and performs standard choral repertoire from the sixteenth century to the present. The choir presents public performances on and off campus, including an annual tour. This organization is for the experienced singer who is interested in the study and performance of the finest choral literature and wants to achieve a particularly high performance standard.

The **Transylvania Singers** is an ensemble for women. Class materials and choral repertoire are geared to create confident and beautiful singing.

Pioneer Voices is the newest addition to the ensemble program, with a choral repertoire chosen specifically for men.

The **Madrigal Singers**, selected from members of the choir, study and perform vocal chamber music from the sixteenth century to the present, including jazz. The Madrigal Singers are well known in the Lexington area for their annual series of madrigal dinners presented in December.

The **Transylvania Concert Band** is the university's principal wind and percussion ensemble. It focuses on major works from the concert band literature. Highlights of its activities include guest conductors, guest soloists, and concert tours. It is the parent organization of the Jazz Ensemble, Pep Band, and Percussion Ensemble.

The **Jazz Ensemble** performs compositions and arrangements for "big band" from all styles and historical periods. Emphasis is placed on the development of individual improvisation and reading and ensemble performance skills.

The **Chamber Orchestra** performs repertoire for both string and full orchestra.

The **Musical Theater Workshop** and **Opera Workshop** provide opportunities in staged musical productions, both fully produced and in workshop settings.

Academic Regulations and Policies

University Grading System

The guidelines for evaluating performance in a course are:

- A** for excellent work
- B** for good work
- C** for satisfactory work
- D** for minimally passing work
- F** for unsatisfactory/failing work

To recognize the range of performance possibilities within the guidelines, grade point averages will be calculated according to the following quality point scale:

A+	4.00	B+	3.33	C+	2.33	D+	1.33
A	4.00	B	3.00	C	2.00	D	1.00
A-	3.67	B-	2.67	C-	1.67	D-	0.67
						F	0.00

Other grades that may be assigned, but that are not calculated in a student's grade point average, include:

I for incomplete work; due to illness or emergency only; must be completed by the middle of the next regular term, or the I is changed to an F through administrative action.

CR for credit; given for satisfactory work in a course approved by the faculty to warrant CR/NC grading. In courses where the grading format is at the student's option, declarations of CR/NC format must be received in the registrar's office by the last day to add a course. If a declaration is not made by that time, a preference for the standard grade format will be assumed. Unless otherwise stated in the official course description, CR/NC grading will not be available as an option for individual students.

NC for no credit; given for unsatisfactory work in a course approved by the faculty to warrant CR/NC grading. Unless otherwise stated in the official course description, CR/NC grading will not be an option for individual students.

NR for courses which are currently in progress or for no grade reported from an instructor.

W for withdrawal from a course; recorded when the student has been permitted to withdraw from a course after the official deadline to drop a course, but no later than the end of the eighth week of a regular term.

WU for withdrawal from the university; given in all courses in which the student is registered at the time he or she withdraws from Transylvania University.

Only grades of C- or better (or CR) in major pattern courses count toward fulfillment of the student's major pattern. Allied courses are not subject to this restriction. Note: Allied courses are required for the completion of a major pattern. They are distinct from major courses in these ways:

- Unlike major courses in which only grades of C- or higher may apply to the mandate, any passing grade meets allied course standards.
- Allied courses may be used to satisfy any general education category.

Mid-Term Progress

Students are issued mid-term progress reports to apprise them of their progress within each fall and winter term. The progress reports are issued in the seventh week of regular terms, which allows students time to withdraw from a course with no punitive grade should they choose to do so. These reports are not a part of the permanent record and will not appear on academic transcripts. Mid-term progress reports are assigned as follows:

- S= Satisfactory progress (Indicates a grade of C- or better.)
- U= Unsatisfactory progress (Indicates a grade of D+ or below.)
- NR= No report (No progress report was submitted by professor.)

Grade Appeals

Complaints of this sort are not common, but they will be treated fairly and responsibly. The proper procedure for handling student complaints about grades is as follows:

1. The student consults with the instructor for an explanation of the method of evaluation and to determine whether an error has been made.

2. If the student is not satisfied with the results of the conference with the instructor, he/she should consult the program director or division chair, with the clear understanding that no one except the instructor can change the grade.
3. If the student still maintains that the grade received is not proper, the student should be advised that he/she may take the complaint to the dean, with the clear understanding that no one except the instructor can change the grade.

Student Classification

Regular students are those admitted through the Office of Admissions on the basis of approved academic credentials and according to approved procedures. They are considered degree-seeking students. Regular full-time students carry at least three courses for credit during fall and winter terms and one course during May term. Regular part-time students carry fewer courses for credit.

Regular students are classified as first-year students, sophomores, juniors, or seniors, depending on the number of courses successfully completed toward the B.A. degree. A student who has completed fewer than nine course units is classified as a first-year student. To achieve sophomore status, a student must have successfully completed nine course units; to achieve junior status, a student must have successfully completed 18 course units; to achieve senior status, a student must have successfully completed 27 course units.

Students other than regular students who enroll for standard university courses, whether for credit or as an auditor, are designated as special students. Special students apply for admission and register for classes through the registrar's office. For more information on admission, courses, and fees, contact the registrar's office, (859) 233-8116.

Satisfactory Progress

A regular full-time student will be considered to be making satisfactory progress toward a degree by completing successfully an average of seven course units for each academic year (August term plus two regular terms in first year; two regular terms plus May term for transfer students and in all subsequent years) in attendance. However, a student may be judged as not making satisfactory progress at the discretion of the dean of the college, regardless of whether the seven-unit standard has been met.

Leave of Absence

In general, students are expected to complete their degrees by attending Transylvania for four consecutive years. Occasionally, students may find it necessary to interrupt their program of study. In this event, the student may apply to the dean of the college for a leave of absence, not to exceed 12 consecutive months. Ordinarily, leaves are granted only at the conclusion of a term. Students on leave need not apply for readmission but should notify the registrar at least 30 days before their return. The right to use college facilities is suspended while the leave is in effect.

Academic Probation—Academic Good Standing

The academic progress of all students will be reviewed by the dean of the college at the end of the August term, fall term, and winter and May terms combined. Based on this review, students will be placed on academic probation by the dean of the college if

1. They are not making satisfactory progress, or
2. Their grade point average does not meet the following minimum standard for their class status:
First-year student—1.66
Sophomore—1.85
Junior, Senior—2.00

All first-year and sophomore students with a grade point average below 2.0 but above the cut-off for probation for their class level will receive a letter of academic warning from the dean of the college.

Transfer students must provide Transylvania with complete transcripts of all previous college work. Transfer student credentials will be reviewed in the context of the rules for academic probation. Upon admission, the registrar will determine whether the student is to be admitted on academic probation. A student not on academic probation will be considered to be in academic good standing.

Academic Suspension

The academic progress of all students will be reviewed by the dean of the college at the end of the fall term and at the end of winter and May terms combined. Based on this review, students will be placed on academic suspension by the dean of the college if:

1. At the end of the first full term of attendance at Transylvania, a student has a GPA of less than 1.0
2. At the end of a probationary term, the student has not achieved the minimum standard for his or her class status or has not completed a minimal full-time load with a 2.25 grade point average.

Students with exceptional circumstances may appeal their suspension to the Committee on Admissions and Academic Standards. Suspended students are eligible to be considered for readmission only after they have been suspended at least one regular term. May term and summer school are not considered regular terms.

Students readmitted after academic suspension will be on academic probation.

Academic Dismissal

Transylvania will not readmit students who fail for the second time to meet academic requirements for continuation.

Readmission

Students who have withdrawn from Transylvania, either voluntarily or through suspension, must apply for readmission through the Office of the Registrar if they wish to reenroll. Readmission is not automatic, nor is it guaranteed.

Among the factors that are considered in making decisions about readmission are the following: conditions under which withdrawal occurred (e.g., health problems, academic suspension or other disciplinary reasons, withdrawal without proper notification of intent); available space; time elapsed since withdrawal or suspension; and previous readmissions, if any.

A student seeking readmission will be asked to provide a letter of evaluation from the former faculty advisor and the dean of students. Those who withdrew for medical reasons may be asked to submit a letter from a qualified physician or other health worker attesting to the good health of the student and recommending readmission.

A returning student who has not been enrolled at Transylvania for three or more consecutive regular terms must meet the curricular requirements in effect at the time of readmission.

All applications for readmission, along with the required letters, must ordinarily be submitted by June 1 for the fall term and by November 1 for the winter term. Readmission is not usually granted for May term.

Credit by Examination

Transylvania grants advanced standing with credit for a score of four or five on the Advanced Placement (AP) Examinations of the College Entrance Examination Board. These examinations are usually taken by students who have completed a formally designated AP course in high school. Transylvania also recognizes the International Baccalaureate (IB) academic program and encourages students to submit IB examination scores for review. Course credit is granted for each Higher Level Examination area passed with a score of five, six, or seven. Credit earned by examination will not be awarded for the same course more than once. If a student would like to take a course for which they have already received credit through an exam, they must forego the previous credit. For further information, contact the Office of the Registrar, (859) 233-8116.

Course Load

The normal load of courses for regular full-time students is four course units during the fall and winter terms and one course unit during May term. First-year students will take one unit in August term.

- A. A student carrying fewer than three course units during the fall or winter term shall be considered a part-time student.
- B. A student taking the equivalent of more than $4\frac{3}{4}$ course units during the fall and winter terms, or more than $1\frac{1}{2}$ course units during May term, will be considered to be on academic overload. Students with a cumulative grade point average of 2.75 or higher may register for an overload with the consent of their academic advisor. Permission to carry an overload by students with less than a cumulative grade point average of 2.75 will be granted only in exceptional circumstances and only on the written recommendation of the student's academic advisor and with the approval of the Committee on Admissions and Academic Standards.

- C. Additional tuition charges will be imposed beyond the equivalent of 4 ³/₄ course units during the fall and winter terms and beyond 1 ¹/₂ course units during May term.
- D. Students will not be permitted to take an overload in their first regular term.

Registration Policies

Registration periods for each term will be established by the registrar. A student may not add a course after the final day of registration. A student may drop a course without an entry on the permanent record until the published date. This is usually at the beginning of the third week of a regular term.

Auditing a Course

A student may audit a regular Transylvania course with the permission of the instructor and if space is available. Registration will be completed through the usual registration procedure. No credit is awarded, but audited courses will be recorded on the permanent record if the auditor meets the requirements set by the instructor.

Repeating a Course

Students may repeat courses in which a C- or lower was earned. Courses in which a substandard grade is earned at Transylvania may be repeated for credit only at Transylvania unless specific prior approval is granted by the Committee on Admissions and Academic Standards. The repeated course is so designated on the permanent record, and the grade is substituted in computing the cumulative grade point average, but the original grade remains a part of the permanent academic record. In all cases, the most recent attempt will be used in determining academic progress and computing grade point average. Students may repeat courses previously audited or audit courses for which they previously earned credit. Course Withdrawals

A student may withdraw from any course subject to the following rules:

1. If a student is to maintain regular full-time student status, no withdrawal from a course can be allowed if the resulting course load would be less than a minimum load.
2. Withdrawal from a course without record is allowed through the third week of a regular term and the second day of May term.
3. After the deadline for course withdrawal without record, a student may withdraw from a course and receive a grade of W until the end of the eighth week of a regular term or the seventh class day of May term. This option may not be used to avoid consequences of violating the university's Academic Integrity Policy. No withdrawals are allowed after the end of the eighth week of a regular term or the seventh day of May term.

Withdrawal from the University

A student who decides to withdraw from the university must complete official withdrawal forms. Failure to do so can result in failing grades in each course. Students who officially withdraw receive grades of WU in all courses.

Students wishing to withdraw from the university should begin the process in the registrar's office. Withdrawal will not be finalized and transcripts will not be released until an exit interview is completed. Grades of WU will not be allowed for students withdrawing during or after final examination periods.

Transfer of Credit

Courses taken elsewhere will be considered for transfer upon submission of an official transcript to the registrar. The following criteria are used in evaluating the transferability of academic credit to Transylvania:

1. Credit was earned at a college or university accredited by a regional accrediting agency or others specifically approved by faculty action. Transfer of credit from an institution outside the United States will be judged on its considered merit.
2. The credit is judged to be consistent with the academic objectives of Transylvania.
3. The credit was earned with a grade of C- or higher. For those courses for which credit was granted on a pass/fail basis, evidence must be provided from the institution that the passing grade represents at least C- work.

The registrar, as an agent of the faculty, determines the transferability of academic credit. The Committee on Admissions and Academic Standards will serve as the final arbiter of disputes about transfer of credit.

Courses taken by correspondence as well as GE Area IV and Area V courses are ordinarily not transferable to Transylvania. The use of transfer courses to satisfy major/minor requirements is determined by the program director of that area. Transfer grades will not affect the calculation of cumulative grade point average.

Questions regarding transfer of credit should be directed to the registrar. Current Transylvania students are urged to obtain approval of transfer prior to taking a course elsewhere.

Class Attendance

Students are responsible for class attendance. Instructors shall explain to students at the beginning of each course their expectations and grading policies with respect to absences from class meetings. Instructors shall report excessive absences to the dean of the college.

Academic Integrity

Honesty, trust, and personal responsibility are fundamental attributes of the university community. Academic dishonesty by a student will not be tolerated, as it threatens the foundation of an institution dedicated to the pursuit of knowledge. To maintain its credibility and reputation, and to equitably assign evaluations of scholastic and creative performance, Transylvania University is committed to maintaining a climate that upholds and values the highest standards of academic integrity.

All members of the university community have a responsibility to ensure that the highest standards of integrity in scholarly and creative work are understood and practiced. Disciplinary penalties for a student found guilty of cheating may be determined by the instructor or the dean of the college according to the seriousness of the offense.

Academic Records

The official record of each matriculated student at Transylvania is the permanent academic record maintained by the registrar, and is the property of the university. Transcripts of the permanent record are available from the registrar upon request by the student. Transcripts are not issued for those who are indebted to the university until the debt is paid or satisfactorily adjusted.

All academic records are governed by the 1974 Family Educational Rights and Privacy Act (FERPA), as amended. Essentially, this act ensures students the right of access to all individual academic records maintained by the institution as well as the confidentiality of these records. Transylvania University intends to fully comply with the provisions of FERPA. Questions concerning this law and the university's policy relating to the release of academic information may be directed to the Office of the Registrar.

Dean's List and Honors

The primary honor for academic achievement on a continuing basis is being named to the **Dean's List**, compiled at the end of each regular term. Only students carrying at least three courses with regular letter grades are eligible. A term average of 3.5 or better is required.

The **Stephen Austin Award** is conferred upon a first-year student who has matriculated at Transylvania as a first-year student and who has completed at least four course units as a full-time student. The award is presented to the student with the highest cumulative grade point average in courses taken at Transylvania. To be eligible, a student must have taken at least 75 percent of his or her courses in letter-graded courses. In the case of identical cumulative grade point averages, more than one award may be given.

The **Henry Clay Award** is conferred upon a student who is a sophomore and has completed at least 12 course units as a full-time student. The award is given to the student with the highest cumulative grade point average in courses taken at Transylvania. To be eligible, a student must have taken at least 75 percent of his or her courses in letter-graded courses. In the case of identical cumulative grade point averages, more than one award may be given.

The **Junior and Senior Class Academic Awards** are conferred upon students who have achieved the highest cumulative grade point averages in courses taken at Transylvania. At least 12 course units must have been taken as a full-time student.

Major Honors may be presented to graduates in each major pattern offered at Transylvania at the discretion of the program. The student must have at least a 3.5 grade point average in courses in the major pattern and an overall grade point average of at least 3.0.

Graduation Honors are awarded at the following three levels:

Cum laude to graduates with at least a 3.5 grade point average in all courses taken at Transylvania.

Magna cum laude to graduates with at least a 3.7 grade point average in all courses taken at Transylvania.

Summa cum laude to graduates with at least a 3.9 grade point average in all courses taken at Transylvania.

Other academic honors include the **Whitehouse Premedical Award**, presented to the outstanding premedical student and established by the late Dr. A. J. Whitehouse; the **Delcamp Essay Award**, presented for the best critical essay on any aspect of the literature of any country; the **Delcamp Special Merit Award**, presented to the entrant

who shows promise of outstanding future development in literary study; and the **Delcamp Creative Writing Award**, presented for the best student work in poetry, fiction, theater, and personal essay. These awards are presented in memory of Dr. Ernest Woodruff Delcamp, a faculty member from 1908-52.

The **Joseph Buchanan Philosophical Essay Award** is given for the best critical or creative essay on a philosophical theme by a student majoring or minoring in philosophy.

The outstanding economics student is designated **Rara Avis** by Omicron Delta Epsilon, the economics honorary.

The **John D. Wright Jr. Award** is given to the outstanding man in the sophomore class.

The **Lydia Todhunter Memorial Cup** is given annually to the sophomore woman who is judged “the best all-around woman.”

The **Shirley Hedges Memorial Award** is given to the outstanding woman in the junior class. The recipient is selected by vote of the faculty.

The **Transylvania Leadership Award** was established by the late Charles Mitchell Sr. to recognize a third-year man for his leadership and scholarship.

The **George Stopp Academic Achievement Award** is presented to a graduating senior who is the four-year varsity athlete with the highest grade point average at the end of the winter term.

Among other awards are the **Thomas Jefferson Scholarship Award**, the **Lila H. Boyarsky Award**, and several **Ruchman awards**.

Other awards, presented by social and athletic organizations, include the following: Alpha Omicron Pi Mary Breckenridge Cup, Chi Omega Mary Collis Vance Award, Phi Mu Susan Lunger Brown Award, Delta Sigma Phi Insalutatus Award, Delta Sigma Phi Crimson Cup, Phi Kappa Tau Hedrick Cup, Phi Kappa Tau Faculty Member of the Year Award, Delta Delta Delta First-year Woman Award, and various athletic and organization awards.

The Curriculum

Transylvania uses a modified calendar called a “4-4-1 system.” Under this calendar the academic year is divided into three parts: two regular terms of 14 weeks (fall and winter) and a one-month term in May. During a regular term, students normally take four courses. During May term, students normally take one course. First-year students are required to take a three-week August term, during which all first-year students take one course unit.

Academic regulations are stated and progress toward the degree is measured by courses. The basic measure of instruction is the course unit. For purposes of comparison, one course unit is considered equivalent to four semester hours.

Courses are numbered as follows to indicate levels of difficulty and degrees of specialization:

- 1000** series courses, for the most part, cover a wide range of material and serve as introductions to a particular discipline. Generally appropriate for first-year students.
- 2000** series courses are more specific in focus than 1000 series; they may require some previous knowledge of a subject. Generally appropriate for sophomores.
- 3000** series courses are clearly upper-level courses that require significant background in a field and may have specific prerequisites. Generally appropriate for juniors and seniors.
- 4000** series courses require extensive background in a field and usually have prerequisites. Generally appropriate for juniors and seniors.

General Requirements

Transylvania awards the Bachelor of Arts degree in 39 majors. To be eligible to graduate, a student must have satisfactorily completed at least 36 course units and must have achieved at least a C average (2.0 grade point average). In addition, a student must have fulfilled the distribution requirements listed on page 33 and the requirements of an approved major pattern. Requirements for the various major patterns are listed under Academic Major and Minor Patterns (p. 43). A student must also complete a total of 18 units of course work, including eight of the final nine courses, in residence.

A returning student who has not been enrolled at Transylvania for three or more consecutive regular terms must meet the curricular requirements in effect at the time of reenrollment.

Two preengineering programs are described on pages 58-59 and 61.

Second Degrees

Recipients of a Transylvania Bachelor of Arts degree are not eligible for a second degree at the university. Transylvania graduates may, however, have additional majors posted to the academic record by completing all outstanding courses required at the time of completion and with the approval of the appropriate program director and the dean of the college.

Baccalaureate degree holders from other institutions may be awarded a Bachelor of Arts degree from Transylvania after they (1) meet the university’s residency standard, (2) complete a major pattern of study, and (3) complete the general education distribution requirement.

General Education Curriculum Requirements and Regulations

The college believes that all students, no matter what career or vocation they choose, benefit from liberal education; and so the college encourages the free search for knowledge and understanding drawn from the natural and social sciences, the humanities, and the arts. By so doing, the college strives to empower students to develop lifelong habits of learning and intelligent, respectful discussion. Therefore, students must fulfill requirements in five general areas:

Area I Introduction to Critical Skills

Goals: Students should be able to read closely, think clearly, and express themselves precisely; they should be able to reason, hypothesize, solve problems, and interpret what they experience and study; they should understand how languages, mathematics, science, the arts, and the humanities interact in today’s culture; they should possess the skills required by an undergraduate academic career, and they should understand basic issues in maintaining physical health.

Requirements:

First-Year Seminars	2 units
Foreign Languages	2-3 units
Mathematics	1 unit
Lifetime Fitness	¾ unit

Area II Approaches to Learning

Goals: Students should be able to explore basic ideas and methods of study in the humanities, fine arts, natural sciences, and social sciences; and they should understand and appreciate the general content of one of the disciplines in each of those areas, including a sense of its theory, literature, and history.

Requirements:

Humanities	1 unit
Fine Arts	1 unit
Natural Sciences	1 unit
Social Sciences	1 unit

Area III Cultural Traditions

Goals: Students should recognize the central themes that have defined traditions from around the world; and they should be able to examine artistic and cultural trends, intellectual foundations, or institutions, both broadly and chronologically (i.e., non-topically).

Requirements: One course (list A) exploring traditions from societies in Africa, Asia, Australia, and the Americas—excluding those societies identified as Western; one course (list B) exploring traditions identified as Western, from Europe and other regions of the world which claim a heritage in Europe.

List A	1 unit
List B	1 unit

Area IV Upper-level Liberal Arts (2+2)

Goal: Students should understand questions and modes of analysis in liberal arts areas outside of their major areas of interest and study.

Requirements: 4 units in a “2+2” pattern

Two sets of approved courses (set = 2 courses with the same course prefix) in any two disciplines outside of a student’s primary major pattern. An Area IV course listed as NS may be paired with any Area IV course listed as BIO, CHEM, or PHYS. One set of courses must be taken outside the division of the primary major. For example, if a student’s major is philosophy (in the humanities division), possible Area IV sets would be 2 English courses (same division) and 2 math courses (outside the major’s division). Qualifying courses are marked IV.

Area V Writing Intensive Courses

Goal: Students should broaden and deepen their liberal education through writing.

Requirements: 2 units

Two courses outside of the student’s primary major must be writing intensive. Writing intensive courses are upper level and require formal expository writing of at least 15 pages; they encourage writing as a process by addressing writing concerns and conventions, and by providing the instructor’s critique of student writing. Qualifying courses are marked V at the end of the course description. Such courses may also satisfy requirements in Area III—Cultural Traditions, Area IV—Upper-Level Liberal Arts, and electives outside the primary major pattern.

Regulations

1. Students may not use a single course to satisfy more than one General Education (GE) requirement, except for Area V writing intensive courses.
2. Ordinarily, transfer courses may not be used to satisfy Area IV or Area V GE requirements.
3. Except in Area I, no course may be used to satisfy both a primary major requirement and a GE requirement. However, students may satisfy both GE and minor or allied requirements with the same course.*
4. Students must complete Area II by the end of the junior year, but they are strongly encouraged to complete all of their GE requirements by that time.

5. For matriculated students, GE courses must be taken on campus unless prior approval for transfer credit is granted by the Office of the Registrar in consultation with the appropriate program.

* Students with multiple majors must designate one major as their primary major. A course may satisfy both a GE and a requirement for a second or third major pattern.

Area I

FYS	1004	First-Year Seminar
FYS	1104	First-Year Research Seminar
PE	1113	Lifetime Fitness

Foreign Language:

Students who have studied for two years or more in high school the language they choose at Transylvania must complete 1034; students with fewer than two years of high school study of the language chosen must complete through 1024.

Mathematics: 1 of the following

MATH	1034	Intro to Contemporary Math
MATH	1144	Elementary Statistics
MATH	1304	Calculus I
MATH	1324	Calculus II

Area II

Humanities: 1 of the following

CLA	1014	Introduction to Greek and Roman Mythology
CLA	2234	The Literature of the Greco-Roman World
ENG	1074	Perspectives in Literature
ENG	1134	Introduction to Poetry
ENG	1144	Introduction to Fiction
ENG	1194	Introduction to Film
FREN	2074	French Literature in Translation
GER	2074	German Literature in Translation
PHIL	1024	Introduction to Philosophy
REL	1014	Introduction to Religion
REL	1054	The Judaeo-Christian Heritage
REL	1134	Foundations of Asian Religions

Fine Arts: 1 of the following

ART	1024	Introduction to Visual Art
ART	1424	Introduction to Drawing
FA	1004	Introduction to the Fine Arts
MUS	1004	Music Appreciation
MUS	1274	Music Theory for the University Student
MUS	1864	Theoretical Skills of Music I
THEA	1104	Introduction to Theater
THEA	1214	Preparing to Act
THEA	1314	Technical Theater
THEA	1524	Imagining the Production
THEA	1624	Dramaturgy
THEA	2204	Spectator as Critic

Natural Science: 1 of the following

BIO	1044	Biological Interactions
BIO	1164	Biology and Human Concerns
CHEM	1004	Chemistry in Society
CHEM	1055	Principles of Chemistry I
ENVS	1024	Environmental Science
NS	1104	Sight and Sound
NS	1204	Origin of Life
PHYS	1014	Conceptual Physics
PHYS	1024	Measuring the Universe
PHYS	2115	University Physics I

Social Science: 1 of the following

ANTH	1054	Introduction to Archaeology
ECON	1004	Introduction to Economics
ECON	2024	Principles of Microeconomics
ECON	2034	Principles of Macroeconomics
PS	1004	Introduction to Politics
PS	1014	Introduction to U.S. Politics
PSY	1004	General Psychology
SOC	1004	Introduction to Sociology

Area III Cultural Traditions

List A: 1 of the following

ANTH	1024	Cultural Anthropology
ANTH	1044	Cultural Geography
ANTH	1074	World Prehistory
ANTH	2344	Global Health
ANTH	2554	African Art and Culture
ANTH	3244	Global Feminisms
ANTH	3314	Latin American Prehistory
ANTH	3504	Gender in Cross-Cultural Perspective
ARTH	1604	Introduction to Asian Art
ARTH	2554	African Art and Culture
ARTH	2624	Arts of China
ARTH	2644	Arts of Japan
ARTH	2664	Chinese Calligraphy
CHI	2044	Chinese Cinema
CHI	2054	Introduction to Modern Chinese Literature
EDU	2204	Enculturation in Non-Western Societies
ENG	2124	Introduction to African Fiction
FREN	3404	The Francophone World and its Literature
HIST	2304	Pre-Modern China
HIST	2374	History of Africa
HIST	2404	Latin American Civilization I
HIST	2414	Latin American Civilization II

HIST	2444	Latin American Revolutions
IDS	2344	Global Health
MUS	1154	Excursions into Non-Western Music
PHIL	2504	Ancient Chinese Thought
PS	2504	Politics of the Middle East
REL	1134	Foundations of Asian Religion
REL	2504	Ancient Chinese Thought
REL	2524	Islamic Religious Traditions
REL	2534	Hindu Religious Traditions
REL	2544	Buddhist Religious Traditions
SOC	1054	Cultural Geography
SPAN	3084	Afro-Hispanic Literature
SPAN	3234	Latin-American Civilization
THEA	2364	World Design: Asian Scenic
WS	3244	Global Feminisms
WS	3514	Gender in Cross-Cultural Perspective

List B: 1 of the following

ARTH	1114	Art History: Ancient to Gothic
ARTH	1124	Art History: Renaissance to Modern

ARTH	2154	History of Architecture: Classic to Contemporary
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CLA	2514	Ancient Greek and Roman Philosophy
CS	1044	Computation and Technology in Western Thought
ECON	4044	History of Economic Thought
ENG	2474	British Literature I
ENG	2484	British Literature II

FREN	2034	French Society and Culture
HIST	1014	Western Civilization I
HIST	1024	Western Civilization II
PHIL	2514	Ancient Greek and Roman Philosophy
PHIL	2534	Medieval and Renaissance Philosophy
PHIL	2554	History of Modern Philosophy
PHIL	3534	Black Feminist Theory
REL	1054	The Judaeo-Christian Heritage
SPAN	3134	Spanish Civilization
WS	3534	Black Feminist Theory

Area IV (2+2)

Two sets of approved courses (set = 2 courses with the same course prefix) in any two disciplines outside of a student's primary major pattern. An Area IV course listed as NS may be paired with any Area IV course listed as BIO, CHEM, or PHYS. One set of courses must be taken outside the division of the primary major. (For divisional composition, see p. 144.)

Students should check individual course descriptions and discuss all Area IV selections with an academic advisor. Ordinarily, transfer courses may not be used to satisfy Area IV general education requirements.

Area V

Two writing intensive courses outside of a student's primary major pattern. Ordinarily, transfer courses may not be used to satisfy Area V general education requirements.

Writing Requirement

At Transylvania, basic instruction in writing is provided in the First-Year Seminar Program, required of all students. Students who need further skills development may register for WRC 1112, Writing Laboratory (CR/NC grading, 1/2 course unit). In addition, all Transylvania students may obtain special writing assistance and/or instruction as needed in the Writing Center.

Transfer students may be given up to two terms of credit in Freshman English or English Composition, even though such courses are not a part of the Transylvania curriculum.

Sophomore transfer students with two terms of credit for composition may be exempt from First-Year Seminar and First-Year Research Seminar, pending approval of the program director.

Junior and senior transfer students with one or two terms of credit in composition are exempt from First-Year Seminar and First-Year Research Seminar. Junior and senior transfer students with no credit in composition, although also exempt from First-Year Seminar and First-Year Research Seminar, must pass a placement examination administered in the Writing Center or register immediately for WRC 1112.

Writing Portfolio Requirement

The university portfolio requirement represents the Transylvania faculty's commitment to developing students' writing skills. The senior-year portfolio should consist of 10 writing samples submitted over the normal four-year academic period.

Students are required to submit samples each winter term before they register for the following year's fall classes or, in the case of seniors, before graduation. Four samples are required during the first year and two samples in each subsequent year. Students may not register for the following fall term without submitting writing samples. Seniors must submit their final writing samples as a requirement for graduation.

Students with special circumstances may apply for an exemption through the dean of the college three weeks before the registration period.

Senior portfolios are assessed annually by a committee of faculty members with representatives from each academic division and the Writing Center. The portfolio requirement is not a means of evaluating individual students; instead, it is used to assess the effectiveness of Transylvania's curriculum in improving the quality of students' writing.

Additional information concerning the portfolio requirement is available from the Office of the Registrar or the Writing Center.

Academic Policy and Curricular Standards Appeals Procedures

Academic and curricular policies are established and governed by the Transylvania University faculty, as articulated in the faculty constitution and bylaws. Any institutional decision regarding academic policy or curricular standard may be appealed to the Committee on Admissions and Academic Standards (CAAS). As the standing faculty committee charged with hearing such appeals, the CAAS meets regularly and is empowered to allow exceptions to academic policies/procedures. In all cases, CAAS represents the university faculty and its decisions are considered final.

The Office of the Registrar, Old Morrison 101, will provide information and instructions for those wishing to petition the CAAS.

Foreign Language Requirement

Exemption from the foreign language requirement may be granted in one of three ways: (1) by demonstrating on the Transylvania placement examination a level of proficiency equivalent to completion of 1034; (2) by scoring four or five on an Advanced Placement (AP) language exam; (3) by having an exemption granted by the foreign language program director.

May Term Requirement

May term is considered an integral part of the academic year. Students enrolling in or after the 2012-13 academic year may enroll in three May terms at no additional charge as part of their four years at Transylvania University. Students registering for May term must enroll for at least one full unit of credit.

Major Pattern Requirement

In addition to the general requirements described above, each student must complete an approved major pattern. A minimum grade of C- in all major courses, except allied courses, is required, and students must maintain a grade point average of at least 2.0. These patterns are described in the Academic Major and Minor Patterns section of the Catalog (page 43). Additional major patterns may be arranged by special agreement with the dean of the college.

We recommend that major patterns be declared toward the end of the first year or during the sophomore year. Students are required to make the declaration before registering for the first term of their junior year.

Sponsored Learning: Internships

Transylvania offers sponsored learning opportunities through academic internships. Academic internships are offered in public and private organizations, with positions available in human service agencies, government agencies, and private businesses. The internship is normally completed in an off-campus work setting and includes both academic and non-academic requirements, which are jointly supervised by a work supervisor, a faculty member, and Career Development.

Students must have completed a minimum of eight course units and have a cumulative grade point average of at least 2.0 to participate in an academic internship. Internships are customarily taken in the junior or senior year in a student's major field or in a field where significant course work has been completed. Specific academic and work requirements for each student are stated in a learning-work agreement that is signed by the faculty member, the work supervisor, the Career Development Center, and the student.

Programs that offer academic internships are normally numbered 4204, 4208, or 4212 in the course description section of the *Catalog*. Further program requirements are specified by the programs offering credit. A maximum of three course units of internship credit may be counted toward university graduation requirements. Students may take one academic internship for fall term or winter term credit as an overload without incurring an overload tuition charge. Students may register their first summer internship for academic credit without incurring tuition charges.

Information on specific requirements, opportunities, and application procedures is available from Career Development.

Teacher Education Program: Admissions Policy

Admission to teacher education begins with entrance to Transylvania through a selective admission process. To apply to the program, students must

1. Choose a teaching major. It is best to do so no later than the sophomore year if students hope to qualify for teacher certification in the usual four years of undergraduate study. Students who have declared a teaching major will be assigned an advisor in the education program.
2. Transfer students should consult with the program director to determine eligibility for admission to the Teacher Education Program.
3. Complete and submit an application for admission to the Teacher Education Program.

Admission to the program is contingent upon the following:

1. Satisfactory completion of EDU 1004, Observing the Learner, and a minimum 2.75 GPA in education courses, sophomore class standing (9 course units), 2.75 GPA overall.
2. A minimum 2.75 GPA in the major (i.e. English, math, history) for students pursuing high school and P-12 teaching certification, minimum 2.75 GPA in the courses of the subject matter specialties for students pursuing middle grades teaching certifications.
3. A minimum score of 174 in math, 174 in writing, and 176 in reading on the PPST Exam.
4. A submission of a formal essay and an impromptu writing sample to the Teacher Education Admissions Committee.
5. A completed recommendation from each of the following:
 - a. current academic advisor
 - b. previous academic advisor or instructor
 - c. a member of Transylvania's faculty or staff.
6. Satisfactory results from an interview with the Teacher Education Admissions Committee. Selection is based on
 - a. apparent commitment to the profession
 - b. proficiency in human relations and oral and written communication
 - c. apparent concern for the best possible education for all youth
 - d. understanding of skills, responsibilities, and stress involved in teaching
 - e. other factors indicative of becoming a successful teacher

After students are approved for teacher education, continuation in the education pattern leading to certification depends on maintaining a 2.75 minimum GPA in all the areas previously stated and the ability to demonstrate the content, pedagogical, and professional knowledge, skills, and dispositions necessary to help all students learn—as required by the **National Council for Accreditation of Teacher Education Standard 1. Candidate Knowledge, Skills and Disposition.**

If the applicant is denied admission into the Teacher Education Program, she or he has the right of appeal with the university's Committee on Admissions and Academic Standards.

Student Teaching: Admissions Criteria

The following requirements must be met for admission to student teaching:

1. Senior standing is a prerequisite for admission to student teaching. In addition, each candidate must have been admitted to the teacher education program.
2. Each candidate must be approved by the Teacher Education Admissions Committee of the Teacher Education Advisory Board. Admission to the teacher education program does not mean automatic approval for student teaching.
3. Each candidate must submit results of a recent medical examination, including a tuberculosis test, to the education program before student teaching begins. The form is available from the education program office.
4. Each candidate must have completed a minimum of 200 hours of clinical and field-based experience prior to student teaching. Transfer students must provide documentation of field and clinical hours earned at other colleges or universities.
5. Each candidate shall have achieved the following academic requirements:
 - a. overall grade point average of at least 2.75

- b. grade point average of at least 2.75 in the academic specialties—areas of concentration and teaching majors
 - c. completion of all required professional education courses with an academic standing of at least 2.75
 - d. senior standing
- 6. Each candidate shall be a person whose moral, social, and ethical behavior is acceptable in the school community as well as in the community at large.
- 7. Each candidate must be a member of the Kentucky Education Association—Student Programs to receive liability insurance coverage during student teaching.
- 8. Applications for spring student teaching must be returned to the education program by October 1.
- 9. Applications for fall student teaching must be returned to the education program by February 1.

Criteria for Teacher Certification

To be recommended for certification, candidates completing the program must

- have a minimum 2.75 GPA, overall and in their major or emphasis area(s) and in education;
- have a successful exit conference on their Program Portfolio;
- have a passing PRAXIS score;
- have a passing score on their Teacher Work Sample.

Academic Majors, Minors, and Preprofessional Studies

Majors

Accounting
Anthropology
Art
Art History
Biology
Business Administration
Chemistry
Chemistry: Biochemistry Track
Classics
Computer Science
Economics
Education-Elementary: P-5 Cert.
Education-Middle Grades: 5-9 Cert.
Educational Studies
English
Exercise Science
French Language and Literature
German Studies
History
International Affairs
Mathematics
Music (Applied)
Music Education
Music Technology
Neuroscience
Philosophy
Philosophy, Politics, and Economics
Physics
Political Science
Psychology
Religion
Sociology
Sociology/Anthropology
Spanish Language and Literature
Teaching Art
Teaching Chemistry
Teaching Physical Education*
Theater
Writing, Rhetoric, and Communication

Self-Designed Majors

Transylvania allows highly motivated students to work with faculty members, the dean, and the registrar to design a major that fits the student's specific academic and career interests.

*No new major declarations permitted after fall 2012; major is ending.

Minors

Anthropology
Art
Art History
Asian Studies
Biology
Business Administration
Chemistry
Classical Studies
Classics
Communication
Computer Science
Economics
Education Minor for P-12 Certification in French and Spanish
Education Minor for Secondary Certification (8-12)
Education Minor for Secondary Certification in English (8-12)
Educational Studies
English
Environmental Studies
Exercise Science
French
German
History
Hospitality Management
International Affairs
Latin American and Caribbean Studies
Mathematics
Multicultural Studies
Music
Philosophy
Physics
Political Science
Psychology
Religion
Sociology
Spanish
Theater
Women's Studies

Preprofessional Studies

3-2 Engineering
Preengineering
Premedical Studies
Prephysical Therapy
Preveterinary Medicine

Academic Major and Minor Patterns

Accounting

Accounting Major

14 course units, including:

ACCT 2014	Principles of Accounting I
ACCT 2134	Principles of Accounting II
ACCT 3034	Intermediate Accounting I
ACCT 3044	Intermediate Accounting II
ACCT 3094	Income Taxation
ACCT 3144	Cost Accounting
ACCT 4014	Auditing
BA 3024	Management and Organizational Behavior
BA 3084	Legal Environment of Business
ECON 2024	Principles of Microeconomics
ECON 2034	Principles of Macroeconomics

3 additional courses from the following:

ACCT 3084	Governmental Accounting
ACCT 3214	Special Topics in Accounting
ACCT 4024	Partnerships, Trusts, and Estates
ACCT 4034	Corporate Consolidations
ACCT 4054	Accounting Theory
ACCT 4444	Senior Seminar

Anthropology

Anthropology Major

11 course units, including:

ANTH 1024	Cultural Anthropology
ANTH 1034	Human Origins <i>or</i>
ANTH 1054	Introduction to Archaeology
ANTH 3944	Junior Seminar: History and Theory of Anthropology
ANTH 4444	Senior Seminar
SOC 2224	Research Methods in the Social Sciences

Plus

6 Anthropology electives, 3 of which must be at 3000-level or above.

Note: One elective outside the social sciences division may be used with approval of the sociology/anthropology program director.

Anthropology Minor

6 course units, including:

ANTH 1024	Cultural Anthropology
ANTH 1034	Human Origins <i>or</i>
ANTH 1054	Introduction to Archaeology

Art and Art History

Studio Art Major

14 course units, including:

ART 1424	Introduction to Drawing (Should be taken by the end of sophomore year)
ART 2104	Painting I
ART 2304	Sculpture I
ART 2364	Photography I
ART 2504	Ceramics I

3 art history courses, to include:

1 of the following courses: (Should be taken by the end of junior year)

ARTH 2144	Art 1850 to the Present
ARTH 3124	Women in Art
ARTH 3164	Art 1970 to the Present

1 course in non-Western art history

1 art history elective

4 studio art electives at the 2000-level or above

ART 4344 Advanced Studio Practices

Required of all majors during the winter term of senior year:

ART 4302	Studio Art Senior Seminar: Theory and Methods
ART 4402	Studio Art Senior Seminar: Exhibition

Art History Major

10 course units, including:

ARTH 1114	Art History: Ancient to Gothic
ARTH 1124	Art History: Renaissance to Modern
ARTH 1604	Introduction to Asian Art
ARTH 4444	Capstone Seminar in Art History

And

1 studio art course:

ART 1424	Introduction to Drawing
ART 2104	Painting I
ART 2304	Sculpture I
ART 2364	Photography I
ART 2504	Ceramics I

1 course in Western art:

ARTH 3124	Women in Art
ARTH 3154	Architecture 1850 to the Present
ARTH 3164	Art 1970 to the Present

1 course in Asian art:

ARTH 3624	Buddhist Art of Asia
ARTH 3644	Modern Chinese Art

3 additional courses from the following:

ANTH 1054	Introduction to Archaeology
ARTH 2144	Art 1850 to the Present
ARTH 2154	History of Architecture: Classic to Contemporary
ARTH 2294	Special Topics in Art History
ARTH 2554	African Art and Culture
ARTH 2624	Arts of China
ARTH 2644	Arts of Japan
ARTH 2664	Chinese Calligraphy
ARTH 3114	Special Topics in Art History
ARTH 3124	Women in Art
ARTH 3154	Architecture 1850 to the Present

ARTH 3164 Art 1970 to the Present
 ARTH 3624 Buddhist Art of Asia
 ARTH 3644 Modern Chinese Art
 ARTH 4204 Internship in Art History
 Approved Special Topics courses in other disciplines or in study abroad. For example: HIST 2204 Special Topics: Shooting America; Photography, 1860-1960; or PHIL Special Topics: Aesthetics.

Teaching Art Major

24 course units, including:

ART 1424 Introduction to Drawing (Should be taken by the end of sophomore year)

ART 2104 Painting I

ART 2304 Sculpture I

ART 2364 Photography I

ART 2504 Ceramics I

3 art history courses, to include:

1 of the following courses: (Should be taken by the end of junior year)

ARTH 2144 Art 1970 to Present

ARTH 3124 Women in Art

ARTH 3164 Art 1850 to the Present

1 course in non-Western art history

1 art history elective

2 studio art electives at the 2000-level or above

ART 4344 Advanced Studio Practices

Required of all majors during the winter term of senior year:

ART 4302 Studio Art Senior Seminar: Theory and Methods

ART 4402 Studio Art Senior Seminar: Exhibition

Must meet state P-12 certification requirements as follows:

EDU 1004 Observing the Learner

EDU 2014 Schooling in American Culture

EDU 2094 Standards-Based Instruction

EDU 2164 Designing Constructivist-Based Learning Climates

EDU 3054 Instructional Strategies and Content Area Literacy for Learners in Middle and Secondary Schools

EDU 3074 Interactive, Integrative Learning Climates

EDU 3244 Practicum in Learning Experiences

EDU 4314 Supervised Teaching: Twelve Grades

Students must also take the following allied course:

PSY 1004 General Psychology

Studio Art Minor

6 course units, including:

ART 1424 Introduction to Drawing

2 art history courses, including one of the following:

ARTH 2144 Art 1970 to the Present

ARTH 3124 Women in Art

ARTH 3164 Art 1850 to the Present

3 studio art electives

Art History Minor

6 course units, including:

ARTH 1114 Art History: Ancient to Gothic

ARTH 1124 Art History: Renaissance to Modern

ARTH 1604 Introduction to Asian Art

1 studio art course

2 of the following:

ARTH 2144 Art 1850 to the Present

ARTH 2154 History of Architecture: Classic to Contemporary

ARTH 2294 Special Topics in Art History

ARTH 2624 Arts of China

ARTH 2624 Arts of Japan

ARTH 2664 Chinese Calligraphy

ARTH 3114 Special Topics in Art History

ARTH 3124 Women in Art

ARTH 3154 Architecture 1850 to the Present

ARTH 3164 Art 1970 to the Present

ARTH 3624 Buddhist Art of Asia

ARTH 3644 Modern Chinese Art

ARTH 4204 Internship in Art History

Asian Studies

Asian Studies Minor

The Asian Studies minor is an interdisciplinary sub-specialization that focuses students' attention on the people of Asia, including their diaspora. Students gain an understanding of the region's historical and contemporary societies and cultures by completing courses in various disciplines. To achieve an Asian Studies minor, students are required to complete 4-8 courses including language instruction and electives. For the language requirement, students must complete four terms of instruction in modern Asian language or demonstrate equivalent proficiency. For languages that are not offered at Transylvania, credits can be transferred if approved by the Asian Studies advisory committee. In addition to the language requirement, students are required to complete four electives, drawn from at least two disciplines and chosen from the list of electives below. Alternately, students are welcome to petition the Asian Studies committee for approval of other courses, such as special topics courses, May term courses that focus on the region, and independent study experiences. With prior approval of the advisory committee, up to two electives taken abroad may count toward the minor. No more than two courses from a student's major or other minor pattern may be used to satisfy the requirements of the Asian Studies minor. At least one course should include an Asian country that is not the focus of language study. Three of the four electives must be at the 2000 level or above.

4-8 course units, including:

Asian language proficiency (1034 or equivalent)

CHI 2014 Advanced Chinese Composition and Conversation (or equivalent in another Asian language)

Electives:

4 electives (from at least 2 disciplines) from the following:

ARTH 1604 Introduction to Asian Art

ARTH 2624 Arts of China

ARTH 2644 Arts of Japan

ARTH	2664	Chinese Calligraphy: History and Practice
ARTH	3624	Buddhist Art of Asia
ARTH	3644	Modern Chinese Art
*CHI	1014	Chinese I
*CHI	1024	Chinese II
*CHI	1034	Chinese III
*CHI	2014	Advanced Chinese Composition and Conversation
CHI	2044	Chinese Cinema
CHI	2054	Introduction to Modern Chinese Literature
CHI	2294	Special Topics
ECON	3144	International Trade and Finance
HIST	2304	Pre-Modern China
MUS	1154	Excursions into Non-Western Music
PHIL	2504	Ancient Chinese Thought
REL	1134	Foundations of Asian Religions
REL	2234	Hindu Religious Traditions
REL	2544	Buddhist Religious Traditions

A travel course, study abroad course, or any other relevant course approved by the program may be approved to meet an elective requirement. (For students whose language focus is not Chinese, one of the courses marked with a * may be chosen as an elective).

Biology

Biology Major

14 course units, including:

BIO	1044	Biological Interactions
BIO	2024	Genetics
BIO	2304	Cell and Molecular Biology
BIO	4444	Senior Seminar in Evolution

5 additional biology courses including at least 1 Lab and 1 Field course

FIELD COURSES:

BIO	2064	Field Biology
BIO	2144	Tropical Ecology
BIO	2214	Vertebrate Zoology
BIO	2504	Entomology
BIO	3015	Comparative Invertebrate Zoology
BIO	3124	Field Botany
BIO	3144	Ecology
BIO	3164	Ornithology
BIO	3204	Animal Behavior

LAB COURSES:

BIO	3016	Comparative Vertebrate Anatomy
BIO	3026	Developmental Biology
BIO	3046	Microbiology
BIO	3065	Animal Physiology
BIO	3224	Neurobiology
BIO	4034	Molecular Genetics
BIO	4114	Immunology
BIO	4304	Advanced Cell Biology
CHEM	3084	Biochemistry

Allied Courses:

CHEM	1055	Principles of Chemistry I
CHEM	1065	Principles of Chemistry II
CHEM	2155	Organic Chemistry I
MATH	1304	Calculus I
PHYS	2115	University Physics I

To become certified to teach biology, students must complete the following:

Biology Major

Education Minor for Secondary Certification

Completion of Education Minor for Secondary

Certification (8-12) for Teaching Biology requires:

EDU	1004	Observing the Learner
EDU	2014	Schooling in American Culture
EDU	2094	Standards-Based Instruction
EDU	2164	Designing Constructivist-Based Learning Climates
EDU	3054	Instructional Strategies and Content Area Literacy for Learners in Middle and Secondary Schools
EDU	3244	Practicum in Learning Experiences
EDU	4114	Supervised Teaching in High School
EDU	4514	Senior Seminar

OR Senior Seminar in the student's discipline

Students must also take the following allied course:

PSY	1004	General Psychology
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Biology Minor

7 course units, including:

BIO	1044	Biological Interactions
BIO	2024	Genetics
BIO	2304	Cell and Molecular Biology

2 additional biology courses, 1 from the

"FIELD" and 1 from the "LAB" areas listed above.

Allied Courses:

CHEM	1055	Principles of Chemistry I
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Plus 1 of the following:

CHEM	1065	Principles of Chemistry II
PHYS	1014	Conceptual Physics
PHYS	2115	University Physics I

Business Administration

Business Administration Major

15 course units, including:

ACCT	2014	Principles of Accounting I
ACCT	2134	Principles of Accounting II
BA	3014	Marketing Strategies
BA	3024	Management and Organizational Behavior
BA	3084	Legal Environment of Business
BA	3134	Financial Management
BA	4084	Business Policy and Strategic Management

ECON	2024	Principles of Microeconomics
ECON	2034	Principles of Macroeconomics
ECON	2104	Economic and Business Statistics

4 course units from the following

(Students seeking to concentrate in Management, Marketing, Finance, or Hospitality Management must consult the program director.):

ACCT	3144	Cost Accounting
BA	3154	Investment Analysis
BA	3174	Consumer Behavior
BA	3184	Human Resource Management
BA	3194	Financial Planning

BA	3212	Special Topics in Business (½ unit)
BA	3214	Special Topics in Business (1 unit)
BA	3224	Entrepreneurship
BA	3234	Manager and Employee Communication
BA	3244	International Business
BA	3304	Marketing Research
BA	3534	Personal Selling and Sales Management
BA	3634	Promotional Strategies
BA	3884	Bank Management
BA	4044	Seminar in Banking
ECON	3034	Money and Banking
ECON	3054	Microeconomics—Theory and Applications
ECON	3074	Macroeconomic Theory and Policy
ECON	3134	Public Finance
ECON	3144	International Trade and Finance
HRT	2044	Principles of Food Theory and Preparation
HRT	3144	Quantity Food Production Management
HRT	3212	Special Topics in Hospitality (½ unit)
HRT	3214	Special Topics in Hospitality (1 unit)
HRT	3224	Food and Beverage Controls and Purchasing
HRT	3314	Lodging Operations and Management
HRT	3324	Restaurant Management
HRT	3544	Fundamentals of Travel and Tourism
HRT	4214	Independent Study in Hospitality
WRC	2214	Business Writing
Allied Course:		
(Students who plan to pursue graduate school should complete MATH 1304 Calculus I)		
MATH	1034	Contemporary Math <i>or</i>
MATH	1304	Calculus I

Interdisciplinary Business Minor

Minor is open to students with majors in Accounting or Economics

7 course units, including:

ACCT	2014	Principles of Accounting I
BA	3014	Marketing Strategies
BA	3024	Management and Organizational Behavior
ECON	2024	Principles of Microeconomics
3 additional course units from ACCT, BA, ECON, or HRT, 2000-level or above, excluding credit/no credit courses.		

Hospitality Management Minor

Minor is not open to students with majors in Accounting, Business Administration, or Economics.

7 course units, including:

HRT	1034	Introduction to Hospitality Industry and Tourism
HRT	3314	Lodging Operations and Management
HRT	3324	Restaurant Management
HRT	3544	Travel and Tourism

3 additional course units from any HRT offering, 2000-level or above, excluding credit/no credit courses.

Chemistry

Chemistry Major

14 ½ course units, including:

CHEM	1055	Principles of Chemistry I
CHEM	1065	Principles of Chemistry II
CHEM	2155	Organic Chemistry I
CHEM	2165	Organic Chemistry II
CHEM	3014	Inorganic Chemistry
CHEM	3115	Quantitative Analytical Chemistry
CHEM	3155	Physical Chemistry: Quantum Mechanics
CHEM	3165	Physical Chemistry: Thermodynamics, Kinetics, and Statistical Mechanics
CHEM	4442	Senior Seminar in Chemistry
1 additional 3000-level chemistry course		
Allied Courses:		
MATH	1304	Calculus I
MATH	1324	Calculus II
MATH	2144	Calculus III
PHYS	2115	University Physics I
PHYS	2125	University Physics II

Chemistry: Biochemistry Track Major

16 ½ course units, including:

CHEM	1055	Principles of Chemistry I
CHEM	1065	Principles of Chemistry II
CHEM	2155	Organic of Chemistry I
CHEM	2165	Organic of Chemistry II
CHEM	3084	Biochemistry
CHEM	3115	Quantitative Analytical Chemistry
CHEM	3165	Physical Chemistry: Thermodynamics, Kinetics, and Statistical Mechanics
BIO	2024	Genetics
BIO	2304	Cell and Molecular Biology
BIO	4034	Molecular Genetics
CHEM	4442	Senior Seminar in Chemistry (or in Biochemistry as capacity allows)

1 additional biology or chemistry elective from the following:

BIO	3026	Developmental Biology
BIO	3046	Microbiology
BIO	3065	Animal Physiology
BIO	3224	Neurobiology
BIO	4114	Immunology
BIO	4304	Advanced Cell Biology
CHEM	2294	Special Topics in Chemistry* (If approved by chemistry program)
CHEM	3014	Inorganic Chemistry
CHEM	3125	Instrumental Analysis
CHEM	3155	Physical Chemistry: Quantum Mechanics
NS	2294	Special Topics in Natural Science* (If approved by chemistry program)

In addition, the following allied courses are required:

BIO	1044	Biological Interactions
MATH	1304	Calculus I
MATH	1324	Calculus II
PHYS	2115	University Physics I

PHYS 2125 University Physics II
 *MATH 2144 Calculus III is a prerequisite for CHEM 3155 Physical Chemistry: Quantum Mechanics
 Students who choose the Biochemistry track may not minor in either Biology or Chemistry

Teaching Chemistry Major

21 ½ course units, including:

CHEM 1055 Principles of Chemistry I
 CHEM 1065 Principles of Chemistry II
 CHEM 2155 Organic Chemistry I
 CHEM 2165 Organic Chemistry II
 CHEM 3115 Quantitative Analytical Chemistry
 PHYS 2115 University Physics I
 PHYS 2125 University Physics II
 CHEM 4002 Supervised Laboratory Teaching in Chemistry

1 additional 3000-level chemistry course

Allied Course:

MATH 1304 Calculus I

To become certified to teach chemistry, students must complete the following:

Teaching Chemistry Major

Education Minor for Secondary Certification

Completion of Education Minor for Secondary

Certification (8-12) for Teaching Chemistry requires:

EDU 1004 Observing the Learner
 EDU 2014 Schooling in American Culture
 EDU 2094 Standards-Based Instruction
 EDU 2164 Designing Constructivist-Based Learning Climates
 EDU 3054 Instructional Strategies and Content Area Literacy for Learners in Middle and Secondary Schools
 EDU 3244 Practicum in Learning Experiences
 EDU 4114 Supervised Teaching in High School
 EDU 4514 Senior Seminar

OR Senior Seminar in the student's discipline

Students must also take the following allied course:

PSY 1004 General Psychology

Chemistry Minor

6 course units, including:

CHEM 1055 Principles of Chemistry I
 CHEM 1065 Principles of Chemistry II
 CHEM 2155 Organic Chemistry I
 CHEM 2165 Organic Chemistry II

2 additional 3000-level chemistry courses

Classical Studies

**Students may not minor in both Classical Studies and Classics.*

Classics Major

10 course units in addition to proficiency in Latin or Greek (LAT 1034, GRK 1034, or the equivalent) including:

CLA 1014 Introduction to Greek and Roman Mythology
 CLA 2234 The Literature of the Greco-Roman World

HIST 2224 Archaic and Classical Greece
 HIST 2244 The Roman Empire
 CLA 4444 Capstone Seminar

5 electives, selected from the following, of which (a) 3 must have CLA, HIST, or LAT prefixes, and (b) 3 must be at 3000-level or above:

ARTH 1114 Art History: Ancient to Gothic
 CLA 2244 Gender and Sexuality in Greece and Rome
 CLA 2294 Special Topics (approved by CLA faculty)
 CLA 2514 Ancient Greek and Roman Philosophy
 CLA 3224 Augustan Rome
 CLA 3234 Ancient Drama
 CLA 3244 The Twelve Caesars
 CLA 3304 Religion in Ancient Greece
 HIST 2204 Special Topics (approved by CLA faculty)
 HIST 3224 Diplomacy and War in Antiquity
 HIST 3244 Julius Caesar
 HIST 3624 From Alexander to Cleopatra
 LAT 2014 Readings in Latin Literature
 LAT 3014 Independent Study and Research
 LAT 3024 Advanced Readings in Latin Literature
 PHIL 2514 Ancient Greek and Roman Philosophy
 PS 3114 Political Theory I: Classical and Medieval
 REL 2314 Biblical History and Archaeology
 REL 3214 Quest for the Historical Jesus

Classical Studies Minor

7 course units, including:

CLA 1014 Introduction to Classical Greek and Roman Mythology

6 additional courses from the following:

ARTH 1114 Art History: Ancient to Gothic
 CLA 2234 The Literature of the Greco-Roman World
 CLA 2244 Gender and Sexuality in Greece and Rome
 CLA 2294 Special Topics (approved by CLA faculty)
 CLA 2514 Ancient Greek and Roman Philosophy
 CLA 3224 Augustan Rome
 CLA 3234 Ancient Drama
 CLA 3244 The Twelve Caesars
 CLA 3304 Religion in Ancient Greece
 HIST 2204 Special Topics (approved by CLA faculty)
 HIST 2224 Archaic and Classical Greece
 HIST 2244 The Roman Empire
 HIST 3224 Diplomacy and War in Antiquity
 HIST 3244 Julius Caesar
 HIST 3624 From Alexander to Cleopatra
 LAT 2014 Readings in Latin Literature
 LAT 3014 Independent Study and Research
 LAT 3024 Advanced Readings in Latin Literature
 PHIL 2514 Ancient Greek and Roman Philosophy
 PS 3114 Political Theory I: Classical and Medieval

Classics Minor

6 course units, including:

CLA	1014	Introduction to Classical Greek and Roman Mythology
LAT	1034	Latin III

4 additional courses from the following:

ARTH	1114	Art History: Ancient to Gothic
CLA	2234	The Literature of the Greco-Roman World
CLA	2244	Gender and Sexuality in Greece and Rome
CLA	2294	Special Topics (approved by CLA faculty)
CLA	2514	Ancient Greek and Roman Philosophy
CLA	3224	Augustan Rome
CLA	3234	Ancient Drama
CLA	3244	The Twelve Caesars
CLA	3304	Religion in Ancient Greece
HIST	2204	Special Topics (approved by CLA faculty)
HIST	2224	Archaic and Classical Greece
HIST	2244	The Roman Empire
HIST	3224	Diplomacy and War in Antiquity
HIST	3244	Julius Caesar
HIST	3624	From Alexander to Cleopatra
LAT	2014	Readings in Latin Literature
LAT	3014	Independent Study and Research
LAT	3024	Advanced Readings in Latin Literature
PHIL	2514	Ancient Greek and Roman Philosophy
PS	3114	Political Theory I: Classical and Medieval

Computer Science

Computer Science Major

14 course units, including:

CS	1124	Foundations of Computer Science
CS	2124	Logic and Problem Solving
CS	2144	Computer Organization
CS	2344	Discrete Structures
CS	2444	Data Structures
CS	3344	Computational Theory
CS	4444	Senior Project in Computer Science
MATH	1304	Calculus I

1 course from:

CS	3024	Compiler Construction
CS	3234	Theory of Programming Languages

1 course from:

CS	3074	Netcentric Computing
CS	3144	Database Management Systems
CS	3164	Interface Programming

1 additional 3000 or 4000-level computer science course.

Concentration courses:

3 upper-level courses chosen from any program on campus. Students wishing for a “pure” computer science degree will select concentration courses in computer science or mathematics.

Computer Science Minor

6 course units, including:

CS	1124	Foundations of Computer Science
CS	2124	Logic and Problem Solving
CS	2444	Data Structures

3 additional computer science courses, including at least 1 3000-level course and excluding CS 1014 Information and Communication Technology

Economics

Economics Major

12 course units, including:

ECON	2024	Principles of Microeconomics
ECON	2034	Principles of Macroeconomics
ECON	2104	Economics and Business Statistics
ECON	3054	Microeconomics—Theory and Applications
ECON	3074	Macroeconomic Theory and Policy
ECON	4044	History of Economic Thought
ECON	4884	Seminar in Economics
MATH	1304	Calculus I

4 additional 3000-level or higher economics courses

Economics Minor

6 course units, including:

ECON	2024	Principles of Microeconomics
ECON	2034	Principles of Macroeconomics

4 additional economics courses at the 2000-level or above

Education

Students wishing to teach must apply for admission to the Teacher Education Program (see page 37).

Admission is contingent upon a cumulative grade point average of 2.75; passing the PRAXIS I: Pre-Professional Skills Test (PPST) with the following minimum scores – Math (0730) 174 or Computerized Pre-Professional Skills Test: Math (5730) 174; Pre-Professional Skills test: Reading (0710) 176 or computerized reading (5710) 176; Pre-Professional Skills Test: Writing (0720) 174 or computerized (5720); submission of several recommendations; and a successful interview with the Teacher Education Advisory Board. To be recommended for certification, candidates completing the program must have a minimum 2.75 GPA overall and in their education courses; have a successful conference on their Program Portfolio; have a passing score on the PRAXIS exam; pass student teaching, with written evaluations from supervising and coordinating field teachers; and complete all other program requirements as defined by the Education Program.

Teaching certification requirements in Kentucky (and generally in the nation) are undergoing far-reaching reviews and changes. *It is essential that the prospective teacher maintain a close and continuing liaison with academic advisors and advisors in the education program so that appropriate planning can include state mandated changes and requirements.*

Transylvania students have had a 100 percent pass rate on the PRAXIS exams for the past 5 years.

Education Majors

Elementary: P-5 Certification

21 course units, including:

EDU 1004	Observing the Learner
EDU 2014	Schooling in American Culture
EDU 2094	Standards-Based Instruction
EDU 2104	The Teaching of Mathematics I
EDU 2164	Designing Constructivist-Based Learning Climates
EDU 3034	Literacy in Written and Spoken Languages for Learners in Primary School
EDU 3074	Interactive, Integrative Learning Climates
EDU 3084	Inquiry-Based Learning Climates
EDU 3104	The Teaching of Mathematics II
EDU 3244	Practicum in Learning Experiences
EDU 4214	Supervised Teaching in Elementary School
EDU 4514	Senior Seminar

1 education elective

Allied Courses:

PSY 1004 General Psychology

One science course with lab

One English course

One American history course

MATH 1034 Introduction to Contemporary Mathematics

Students are strongly encouraged to take Spanish as their foreign language

Middle Grades: 5-9 Certification

26 course units, including:

EDU 1004	Observing the Learner
EDU 2014	Schooling in American Culture
EDU 2094	Standards-Based Instruction
EDU 2164	Designing Constructivist-Based Learning Climates
EDU 3054	Instructional Strategies and Content Area Literacy for Learners in Middle and Secondary School
EDU 3124	Young Adolescents: Preparing to Teach in the Middle Level
EDU 3134	Creating Middle-Level Learning Experiences
EDU 3244	Practicum in Learning Experiences
EDU 4414	Supervised Teaching: Middle Grades 5-8
EDU 4514	Senior Seminar

Students must also take the following allied course:

PSY 1004 General Psychology

Specialization Component: 12 course units are required, distributed among 2 teaching fields chosen from English/communication, mathematics, science, or social studies. There are *specific* requirements in each teaching field. It is essential that students seeking middle grades certification check with the education faculty when choosing courses to meet these requirements.

Educational Studies Major

10 course units, including:

EDU 1004	Observing the Learner
EDU 2014	Schooling in American Culture
EDU 3414	Race, Ethnicity, and Social Class in American Education
EDU 3204	Philosophy of Education
EDU 4514	Senior Seminar

5 courses from the following:

EDU 2024	Children's Literature
EDU 2084	Literature for Young Adults
EDU 2204	Enculturation in Non-Western Societies
EDU 2314	Gender and Children's Literature
EDU 2414	The Immigrant Child
EDU 3124	Young Adolescents
EDU 3424	Women in Education

At least 4 of the 10 courses must be at the 3000-level or above.

With permission of the Education Program chair, the following courses can also be taken:

EDU 3294	Special Topics in Education
EDU 4014	Independent Study

A travel course, study abroad course, or any other relevant course

Education Minor for P-12 Certification for French and Spanish Certification

Students who plan to teach French or Spanish must fulfill the requirements for the Educational Minor for P-12 Certification for French and Spanish Certification below in addition to the major requirements for the particular foreign language major.

11 course units, including:

EDU 1004	Observing the Learner
EDU 2014	Schooling in American Culture
EDU 2094	Standards-Based Instruction
EDU 2164	Designing Constructivist-Based Learning Climates
EDU 3054	Instructional Strategies and Content Area Literacy for Learners in Middle and Secondary School
EDU 3244	Practicum in Learning Experiences
EDU 4314	Supervised Teaching: Twelve Grades

Allied Course:

PSY 1004 General Psychology

Students should consult with the appropriate academic advisors and advisors in the education program to ensure that state certification and general education requirements are fulfilled.

Education Minor for Secondary Certification (8-12)

All students pursuing high school teaching credentials must fulfill the requirements for the Education Minor in Secondary Certification. See each teaching discipline major (Biology, Chemistry, English, History, and Mathematics) for the requirements for high school teaching certification in these areas.

Educational Studies Minor

This minor does not lead to teacher certification.

Rather, it is for students considering graduate level work

to become teachers, speech therapists, or school psychologists. Others may have an interest in journalism or theater, and some want to be better informed about education as citizens and future parents.

6 course units, including:

- EDU 1004 Observing the Learner
- EDU 2014 Schooling in American Culture
- 1 of the following:
 - EDU 2204 Enculturation in Non-Western Societies
 - EDU 2414 The Immigrant Child
 - EDU 3414 Race, Ethnicity, and Social Class in American Education
- EDU 3424 Women in Education

3 additional courses upon consultation with the education faculty and approval of the program director.

English

English Major

12 course units, including:

1 course from the following:

- ENG 1074 Perspectives on Literature
- ENG 1134 Introduction to Poetry
- ENG 1144 Introduction to Fiction

And

1 course from the following:

- ENG 2474 Survey of British Literature I
- ENG 2124 Introduction to African Fiction
- ENG 2134 American Writing of Nature
- ENG 2144 Women's Literature
- ENG 2154 American Women Writers and Ethnicity
- ENG 2164 Twentieth-Century African-American Literature
- ENG 2174 Popular Fictions
- ENG 2184 Literature of the American South
- ENG 2374 Postmodern Literature
- ENG 2484 Survey of British Literature II
- ENG 2534 Detective Fiction
- ENG 2654 Fictions of Identity
- ENG 2714 Jane Austen and Film

And

- ENG 2904 Literary Interpretation

And

6 3000-level period courses, to include:

1 pre-eighteenth-century:

- ENG 3024 Chaucer
- ENG 3304 Seventeenth-Century British Literature
- ENG 3314 Renaissance Literature
- ENG 3324 Shakespeare I
- ENG 3334 Shakespeare II
- ENG 3564 Milton

1 eighteenth-century:

- ENG 3204 The Romantic Lyric
- ENG 3224 Romanticism and Liberty
- ENG 3504 The Eighteenth-Century British Novel

1 nineteenth-century:

- ENG 3174 Nineteenth-Century American Literature
- ENG 3234 Victorian Literature
- ENG 3514 The Nineteenth-Century British Novel

1 twentieth-century:

- ENG 3404 Early Twentieth-Century British Literature
- ENG 3414 Twentieth-Century British Literature, Post-1945
- ENG 3664 Early Twentieth-Century American Literature
- ENG 3674 Twentieth-Century American Literature, Post-1945

And

- ENG 4504 Capstone Seminar

All courses beyond the 1000-level should be chosen in *careful consultation with an English program advisor*.

*For students wishing to develop an overview of literature from the Middle Ages to the twentieth century, it is strongly recommended that they satisfy the above major pattern by including the following cluster: ENG 2474 (Survey of British Literature I), to be taken in the sophomore year, and at least two 3000-level period courses from the "pre-eighteenth-century" list.

Students aiming for graduate study should acquire a reading knowledge of one foreign language, some acquaintance with its literature, and at least some knowledge of a second foreign language.

To become certified to teach English, students must complete the following:

English Major
Education Minor for Secondary Certification

Completion of Education Minor for Secondary Certification (8-12) for Teaching English requires:

- EDU 1004 Observing the Learner
- EDU 2014 Schooling in American Culture
- EDU 2094 Standards-Based Instruction
- EDU 2164 Designing Constructivist-Based Learning Climates
- EDU 3054 Instructional Strategies and Content Area Literacy for Learners in Middle and Secondary School
- EDU 3244 Practicum in Learning Experiences
- EDU 4114 Supervised Teaching in High School
- EDU 4514 Senior Seminar

OR Senior Seminar in the student's discipline

Students must also take the following allied courses:

- EDU 2084 Literature for Young Adults
- PSY 1004 General Psychology
- THEA 1214 Preparing to Act *or*
- THEA 3414 Fundamentals of Play Directing

Students must also note the following:

From the selection of English courses, one must address women's literature, and one ethnic literature.

It is strongly recommended that one pair of Area IV courses be in Writing, Rhetoric, and Communication.

Students should consult with the appropriate academic advisors in the education program to ensure that state certification and general education requirements are fulfilled.

Students must secure majors in appropriate disciplines as listed in the *Catalog* and be approved by the Kentucky Department of Education.

English Minor

7 course units, including:

1 introductory course from the following:

ENG 1074 Perspectives on Literature

ENG 1134 Introduction to Poetry

ENG 1144 Introduction to Fiction

ENG 1194 Introduction to Film

6 other courses, at least 3 of which must be above the 1000-level.

Environmental Studies

Environmental Studies Minor

The Environmental Studies minor serves as a general introduction to the facts and questions involved in concern for the natural environment, and is designed to prepare students for a life of critical and informed reflection on the biological, cultural, and social issues related to environmental concern. In addition to a course on environmental science, courses used to fulfill the requirements of the minor should be of two kinds. If taught within the Natural Sciences division, they should lead to a deeper understanding of life forms other than human or deal with the impact of human activity on the environment. If taught within other divisions, they should focus on the social and cultural dimensions of human relations with the natural world, especially in the light of environmental concern. Courses taken within disciplinary majors and not listed below (topic courses or internships), IDS courses, or courses taken at other institutions may fulfill a minor requirement, upon approval of the coordinator of Environmental Studies. Students may augment the minor with interdisciplinary research experience and internships.

6 course units, including:

Core Course:

ENVS 1024 Environmental Science

In addition, students must take 5 courses, with at least 3 drawn from courses taught outside the Division of Natural Science and Mathematics.

ANTH 3404 Sustainable Development

ANTH 3424 Appalachia and the Environment

BIO 2015 Botany

BIO 2064 Field Biology

BIO 2144 Tropical Ecology

BIO 3124 Field Botany

BIO 3144 Ecology

BIO 3164 Ornithology

CHEM 1004 Chemistry in Society

CHEM 2244 Environmental Chemistry

ENG 2134 American Writing of Nature

ENG 2344 The Culture of Nature

PHIL 2084 Environmental Philosophy

SOC 1054 Cultural Geography

SOC 3404 Sustainable Development

SOC 3424 Appalachia and the Environment

SOC 3744 Population Dynamics

Optional: Individualized research projects and independent studies courses may be taken in addition to the 6 courses listed above. These courses, and the courses listed below, are designed to augment the

experience gained from the courses building the minor.

ENVS 3072 Environmental Studies Research

ENVS 3074 Environmental Studies Research

ENVS 3204 Environmental Studies Internship

ENVS 4004 Senior Project

Exercise Science

(see Physical Education)

Foreign Languages

Please note: Major and minor patterns have as a prerequisite a competency through 1034. At least 5 of the 9 courses required in the major pattern must be taken at Transylvania. The foreign language program encourages students to take advantage of study abroad programs.

French Language and Literature Major

9 course units above 1034, including:

FREN 2014 Advanced French Grammar and Composition

FREN 2024 Conversations on French and Francophone Culture

FREN 2034 French Society and Culture

FREN 2054 Introduction to French Literature

FREN 4444 Senior Seminar

2 Literary Periods courses:

FREN 3014 Independent Study and Research
FREN 3144 Medieval and Renaissance French Literature

FREN 3204 French Literature of the Seventeenth and Eighteenth Centuries

FREN 3324 French Literature of the Nineteenth and Twentieth Centuries

FREN 3504 Advanced Special Topics

2 Specialized Studies courses:

FREN 3014 Independent Study and Research

FREN 3094 French Business Culture

FREN 3304 Studies in Genre

FREN 3344 French Cinema Culture

FREN 3404 The Francophone World and Its Literature

FREN 3504 Advanced Special Topics

French Minor

6 course units above 1034, including:

FREN 2014 Advanced French Grammar and Composition

FREN 2024 Conversations on French and Francophone Culture

FREN 2034 French Society and Culture

FREN 2054 Introduction to French Literature

1 Literary Periods course:

FREN 3014 Independent Study and Research
FREN 3144 Medieval and Renaissance French Literature

FREN 3204 French Literature of the Seventeenth and Eighteenth Centuries

FREN 3324 French Literature of the Nineteenth and Twentieth Centuries

FREN 3504 Advanced Special Topics

1 Specialized Studies course:

FREN 3014	Independent Study and Research
FREN 3094	French Business Culture
FREN 3304	Studies in Genre
FREN 3344	French Cinema Culture
FREN 3404	The Francophone World and Its Literature
FREN 3504	Advanced Special Topics

German Studies Major

9 full-unit German courses above 1034, including:

5 3000-level or higher courses

2-4 courses taken abroad on an approved study abroad program

GER 4444 Senior Seminar

German cinema courses for non-majors and GER 2074 are excluded from the major pattern but, because of the relevance of the course material for a German Studies major, HIST 3464 may count as one of the 9 courses.

German Minor

5 full-unit German courses above 1034 (excluding GER 2044, 2074, and 2144)

Spanish Language and Literature Major

9 course units above 1034, including:

SPAN 2024 Spanish Conversation (or other discussion-oriented course)

SPAN 2084 Spanish Composition and Grammar Review

SPAN 2094 Introduction to Hispanic Literature

SPAN 3134 Spanish Civilization

SPAN 3234 Latin-American Civilization

SPAN 4444 Senior Seminar

1 Latin-American literature course

SPAN 3024 Latin-American Literature

SPAN 3074 Contemporary Latin-American Prose Fiction

SPAN 3084 Afro-Hispanic Literature

OR other approved literature course.

1 Spanish Literature course:

SPAN 3044 Medieval and Golden Age Spanish Literature

SPAN 3054 Modern Spanish Literature

OR other approved literature course

1 elective

Recommendation: Spanish majors are strongly urged to study a second foreign language through 1034

Spanish Minor

5 course units above 1034, including:

SPAN 2024 Spanish Conversation (or other discussion-oriented course)

SPAN 2084 Spanish Composition and Grammar Review

SPAN 2094 Introduction to Hispanic Literature

SPAN 3134 Spanish Civilization *or*

SPAN 3234 Latin-American Civilization

History

History Major

12 course units, including:

3 of the following 4 courses:

HIST 1014 Western Civilization I

HIST 1024 Western Civilization II

HIST 1154 United States to 1865

HIST 1164 United States from 1865

2 History Seminars:

HIST 2744 Research Methods Seminar

HIST 4194 Historical Methodology

1 upper-level course (2000 or above) in each of the following fields: U.S., Modern European, pre-Modern, non-Western (4 courses total). See course descriptions for area listing.

3 electives at or above the 2000-level.

Note: at least 3 of the 7 field and elective courses must be at or above the 3000-level.

To become certified to teach history, students must complete the following:

History Major

Education Minor for Secondary Certification

Completion of Education Minor for Secondary

Certification (8-12) for Teaching History requires:

EDU 1004 Observing the Learner

EDU 2014 Schooling in American Culture

EDU 2094 Standards-Based Instruction

EDU 2164 Designing Constructivist-Based Learning Climates

EDU 3054 Instructional Strategies and Content Area Literacy for Learners in Middle and Secondary Schools

EDU 3244 Practicum in Learning Experiences

EDU 4114 Supervised Teaching in High School

EDU 4514 Senior Seminar

OR Senior Seminar in the student's discipline

Students must also take the following allied courses:

ANTH 1024 Cultural Anthropology

ECON 1004 Introduction to Economics

PS 1004 Introduction to U.S. Politics

PSY 1004 General Psychology

SOC 1004 Introduction to Sociology

History Minor

6 course units, including:

HIST 1014 Western Civilization I *or*

HIST 1024 Western Civilization II

HIST 1154 United States to 1865 *or*

HIST 1164 United States from 1865

4 upper-level (2000 or above) history courses (taken in at least 2 area fields).

International Affairs

International Affairs Major

12-14 course units, including:

Core Courses:

ECON 2024 Principles of Microeconomics

ECON 3144 International Trade and Finance

HIST 1024 Western Civilization II

PS	1004	Introduction to Politics
PS	2194	International Politics
INTL	4444	Senior Seminar in International Affairs

Foreign Language Requirement:

2 course units beyond the 1000-level in a modern foreign language. (Courses dealing with material in translation may not be used to fulfill this requirement.)

Electives:

Any 6 of the following, of which at least 4 must be at the 3000-level or above and no more than 2 may be from the same program:

ANTH	1024	Cultural Anthropology
ANTH	1044	Cultural Geography
ANTH	2204	Anthropology: Area Study*
ANTH	2344	Global Health
ANTH	3244	Global Feminisms*
ANTH	3404	Sustainable Development
ARTH	1604	Introduction to Asian Art
ARTH	2604	Ideas in Non-Western Art
ARTH	2624	Arts of China
ARTH	2644	Arts of Japan
ARTH	3624	Buddhist Art of Asia
ARTH	3644	Modern Chinese Art
BA	3244	International Business*
ENG	2284	South African Fiction, 1960-1994
FREN	2034	French Society and Culture*
FREN	3094	French Business Culture*
FREN	3344	French Cinema Culture*
FREN	3404	Francophone World and Its Literature*
GER	2044	Contemporary German Cinema
GER	2104	Contemporary Germany*
GER	2224	German Geography, Political Institutions, and Social Structures*
GER	3344	The Wall Falls: Putting Germany Together Again*
HIST	2134	The Second World War: Topics and Issues
HIST	2374	History of Africa
HIST	2414	Latin American Civilization II
HIST	3224	Diplomacy and War in Antiquity*
HIST	3404	Europe, 1914-1945
HIST	3414	The Contemporary World, 1945 to the Present
HIST	3424	U.S.-Latin American Relations
HIST	3464	Modern German History
HIST	3564	History of the Soviet Union
IDS	2344	Global Health
PS	1054	Globalization and Civic Responsibility
PS	2204	Canadian Parliamentary Internship
PS	2504	Politics of the Middle East
PS	3234	The International System
PS	3254	International Law
PS	3264	Human Rights*
PS	3304	Empires Past and Present
PS	3314	Political Development
PS	3334	Politics of Russia
PS	3384	Topics in Comparative Politics
REL	1134	Foundations of Asian Religions
REL	2524	Islamic Religious Traditions
REL	2534	Hindu Religious Traditions
REL	2544	Buddhist Religious Traditions
REL	3534	The Qur'an*

SOC	1054	Cultural Geography
SOC	3404	Sustainable Development
SOC	3744	Population Dynamics*
SPAN	2214	Spanish for Business*
SPAN	3134	Spanish Civilization*
SPAN	3234	Latin American Civilization*
WS	3244	Global Feminisms*

*Indicates a course having a prerequisite that is exogenous to the set of required courses for the major.

Notes:

Only 2 courses used to fulfill the requirements of another major or minor pattern may also be used to fulfill the requirements of the International Affairs major.

For the purpose of determining which courses fulfill general education and other graduation requirements of the university, the field of International Affairs is deemed to be a Social Science.

Additional courses not listed here (such as special topics, independent study, courses taken at other institutions, or courses taken as part of a study abroad program) may be used to fulfill the requirements of the major with the approval of the coordinator or the director of International Affairs.

Additional study in foreign language and study abroad are strongly encouraged.

International Affairs Interdisciplinary Minor

Students must take PS 2194, International Politics, and 6 additional courses from the list below. Students are also required to complete course 1034 in a modern foreign language or demonstrate equivalent proficiency. No more than 2 courses from a student's major or other minor pattern may be used to satisfy requirements of the international affairs minor. Additional courses not listed here (such as special topics, independent study, or courses taken at other institutions) may be used to fulfill the requirements of the minor with the approval of the coordinator of International Studies. It is strongly recommended that students satisfy their general education requirement in Area III List B by taking HIST 1024, Western Civilization II.

7 course units, including:

Core Course:

PS	2194	International Politics
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Electives:

Any 6 of the following:

ANTH	1024	Cultural Anthropology
ANTH	1044	Cultural Geography
ANTH	3404	Sustainable Development
BA	3244	International Business
ECON	3144	International Trade and Finance
ECON	4064	Comparative Economic Systems
HIST	2134	The Second World War: Topics and Issues
HIST	2144	Europe in the Nineteenth Century
HIST	2374	History of Africa
HIST	2414	Latin American Civilization II
HIST	3224	Diplomacy and War in Antiquity
HIST	3404	Europe, 1914-45
HIST	3414	The Contemporary World, 1945 to the Present
HIST	3424	U.S.-Latin American Relations

HIST	3464	Modern German History
HIST	3564	History of the Soviet Union
PS	1054	Globalization and Civic Responsibility
PS	2204	Canadian Parliamentary Internship
PS	2504	Politics of the Middle East
PS	3234	The International System
PS	3254	International Law
PS	3304	Empires Past and Present
PS	3314	Political Development
PS	3334	Politics of Russia
REL	1134	Foundations of Asian Religions
REL	2524	Islamic Religious Traditions
REL	2534	Hindu Religious Traditions
REL	2544	Buddhist Religious Traditions
SOC	1054	Cultural Geography
SOC	3404	Sustainable Development

Latin American and Caribbean Studies

Latin American and Caribbean Studies Minor

Latin American and Caribbean Studies is an interdisciplinary minor that focuses students' attention on peoples of Latin America and the Caribbean, including their diasporas. Students gain an understanding of the region's historical and contemporary societies and cultures by completing course in various disciplines. Students must complete 6 courses, including ANTH 3314, HIST 2404 or 2414, and SPAN 3234. They also complete at least 3 courses defined as electives, drawn from at least 2 disciplines. These courses may be drawn from the list below; alternatively, students are encouraged to petition the directors of Latin American and Caribbean Studies for approval of other courses, such as Special Topics courses focused on Latin America and the Caribbean, May term courses that include travel to the region, and independent study experiences. No more than 2 courses from a student's major or other minor pattern may be used to satisfy requirements of the Latin American and Caribbean Studies minor. Students who minor in Latin American and Caribbean Studies are strongly encouraged to pursue both proficiency in one of the region's languages and study abroad opportunities in the region.

6 course units, including:

Core Courses:

ANTH	3314	Latin American Prehistory
HIST	2404	Latin American Civilization I <i>or</i>
HIST	2414	Latin American Civilization II
SPAN	3234	Latin American Civilization

Electives:

Any 3 of the following from at least 2 disciplines:

ANTH	2604	Magic, Witchcraft, and Religion
ANTH	3404	Sustainable Development
ANTH	3244	Global Feminisms
EDU	2414	The Immigrant Child
HIST	2404	Latin American Civilization I
HIST	2414	Latin American Civilization II
HIST	2444	Latin American Revolutions
HIST	3424	U.S.-Latin American Relations
HIST	3434	Central American History

PS	3314	Political Development
SOC	3404	Sustainable Development
SPAN	3084	Afro-Hispanic Literature
WS	3244	Global Feminisms

Mathematics

Mathematics Major

12 course units, including:

MATH	1304	Calculus I
MATH	1324	Calculus II
MATH	2144	Calculus III
MATH	2204	Linear Algebra
MATH	2504	The Mathematician's Toolkit
MATH	3114	Higher Analysis
MATH	3224	Abstract Algebra
MATH	4294	Senior Seminar

2 additional 2000+ mathematics courses excluding MATH 2094.

Allied Courses:

Two 2000-level or above courses in ONE of the following disciplines: Biology, Chemistry, Computer Science, Economics, or Physics.

To become certified to teach mathematics, students must complete the following:

Mathematics Major

Education Minor for Secondary Certification

Completion of Education Minor for Secondary

Certification (8-12) for Teaching Mathematics requires:

EDU	1004	Observing the Learner
EDU	2014	Schooling in American Culture
EDU	2094	Standards-Based Instruction
EDU	2164	Designing Constructivist-Based Learning Climates
EDU	3054	Instructional Strategies and Content Area Literacy for Learners in Middle and Secondary Schools
EDU	3244	Practicum in Learning Experiences
EDU	4114	Supervised Teaching in High School
EDU	4514	Senior Seminar

OR Senior Seminar in the student's discipline

Students must also take the following allied course:

PSY	1004	General Psychology
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Mathematics Minor

6 course units, including:

MATH	1304	Calculus I
MATH	1324	Calculus II
MATH	2144	Calculus III
MATH	2204	Linear Algebra <i>or</i>
MATH	3224	Abstract Algebra

2 additional 2000+ mathematics courses excluding MATH 2094.

Music

Applied Music Major

12 course units required of Instrumental option

13 course units required of Keyboard and Vocal options

The following required of all options:

MUS	2864	Theoretical Skills of Music II
MUS	3864	Theoretical Skills of Music III
MUS	4864	Theoretical Skills of Music IV
MUS	2114	History of Music: Ancient to Baroque
MUS	2124	History of Music: Baroque to Present
MUS	3254	Conducting
MUS	4952	Senior Recital

Applied Music

7 terms, $\frac{1}{2}$ unit = $3\frac{1}{2}$ units

Further requirements: Piano Proficiency Exam

Applied Music majors must select 1 of the following 3 options:

Instrumental Option required courses:

Ensemble

8 terms, $\frac{1}{4}$ unit = 2 units

Keyboard Option required courses:

MUS 3072 Piano Pedagogy I

MUS 3082 Piano Pedagogy II

MUS 3272 Piano Literature

Ensemble

6 terms, $\frac{1}{4}$ unit = $1\frac{1}{2}$ units

(2 terms must be accompanying)

Vocal Option required courses:

MUS 3152 Diction for Singers I

MUS 3322 Vocal Literature I

Ensemble

8 terms, $\frac{1}{4}$ unit = 2 units

Music Education Major

22 $\frac{1}{2}$ course units, including:

MUS	1864	Theoretical Skills of Music I
MUS	2864	Theoretical Skills of Music II
MUS	3864	Theoretical Skills of Music III
MUS	4864	Theoretical Skills of Music IV
MUS	2114	History of Music: Ancient to Baroque
MUS	2124	History of Music: Baroque to Present
MUS	3254	Conducting
MUS	4951	Senior Recital ($\frac{1}{4}$ unit)

Applied Music

6 terms, $\frac{1}{4}$ unit = $1\frac{1}{2}$ units

Ensemble

7 terms, $\frac{1}{4}$ unit = $1\frac{3}{4}$ units

Further requirements:

MUS	3122	String Performance and Pedagogy
MUS	3132	Woodwind Performance and Pedagogy
MUS	3142	Brass Performance and Pedagogy
MUS	3162	Percussion Performance and Pedagogy

Choose any 2 of the following 3:

MUS	3194	Teaching General Music
MUS	3364	Teaching Choral Music
MUS	3354	Teaching Instrumental Music

Allied Courses:

EDU	1004	Observing the Learner
EDU	2014	Schooling in American Culture
EDU	2164	Designing Constructivist-Based Learning Environments
EDU	3244	Practicum in Learning Experiences
EDU	4314	Supervised Teaching: Twelve Grades

Piano Proficiency Exam

Music Technology Major

13 course units, including:

CS	1124	Foundations of Computer Science
CS	2124	Logic and Problem Solving
MUS	1024	Introduction to Music Technology
MUS	1864	Theoretical Skills of Music I
MUS	2024	Audio Recording Technology
MUS	2114	History of Music: Ancient to Baroque <i>or</i>
MUS	2124	History of Music: Baroque to Present
MUS	2774	History of Jazz/Rock Music
MUS	2864	Theoretical Skills of Music II
MUS	4894	Practicum/Internship
MUS	4952	Senior Recital

Ensemble

4 terms, $\frac{1}{4}$ unit = 1 unit

Applied Music

6 terms, $\frac{1}{4}$ unit = $1\frac{1}{2}$ units

(2 terms must be composition)

Elective:

1 CS or MUS course (excluding MUS 1004 and MUS 1274) approved by the student's advisor.

Further requirements: Piano Proficiency Exam

Music Minor

Applied Music

4 terms on the same instrument,

$\frac{1}{4}$ unit = 1 unit

Ensemble

4 terms, $\frac{1}{4}$ unit = 1 unit

MUS 1864 Theoretical Skills of Music I

Plus any 3 of the following:

MUS	1024	Introduction to Music Technology <i>or</i>
MUS	2024	Audio Recording Technology
MUS	1004	Music Appreciation
MUS	1154	Excursions into Non-Western Music
MUS	2024	Audio Recording Technology
MUS	2114	History of Music: Ancient to Baroque
MUS	2124	History of Music: Baroque to Present
MUS	2304	Music Cognition
MUS	2774	History of Jazz/Rock Music
MUS	2864	Theoretical Skills of Music II
MUS	3864	Theoretical Skills of Music III
MUS	4864	Theoretical Skills of Music IV

Neuroscience

Neuroscience Major

13-18 course units, including:

Introductory Core (4 courses)

The introductory core courses provide neuroscience majors with a basic grounding in the three subfields that comprise the major, as well as sufficient quantitative background to succeed in upper-level courses in the major.

BIO	1044	Biological Interactions
CS	2124	Logic and Problem Solving
MATH	1304	Calculus I
PSY	1004	General Psychology

Intermediate Core (2 courses)

The intermediate core courses depend on the student's chosen emphasis and fulfill two purposes: first and foremost, to provide students with the tools to examine problems in neuroscience from the perspective of their

field of emphasis, and second, to allow students to complete a major in either biology, psychology, or computer science should they choose not to continue with the neuroscience major.

BIOLOGY Emphasis Intermediate Core:

BIO 2024 Genetics
BIO 2304 Cell and Molecular Biology

COMPUTER SCIENCE Emphasis Intermediate Core:

CS 1124 Foundations of Computer Science
CS 2444 Data Structures

PSYCHOLOGY Emphasis Intermediate Core:

PSY 2224 Research Methods
PSY 2234 Statistical Analysis for the Social Sciences

Upper Level Core (4 courses)

The upper-level core in the neuroscience major allows students to use the skills acquired in their lower and intermediate courses to examine problems of mind and brain from the perspective of all three fields in the major and to engage in cross-disciplinary dialogue about modern issues in neuroscience. Prerequisites for the upper-level courses will depend on students' areas of emphasis (e.g., the prerequisite for BIO 3324 Neurobiology for a student with a Biology emphasis would be Cell and Molecular Biology, while the prerequisite for a student with a Psychology emphasis would be Biopsychology.)

BIO 3224 Neurobiology
CS 3444 Mental Organs (or PHIL 3444)
PSY 3304 Biopsychology
NS 4044 Capstone in Neuroscience

Electives (3 courses)

Electives allow students to focus on an area of particular interest (or, if desired, to pursue coursework required for entrance into medical school without penalty), while requiring exposure to at least one additional course outside their area of emphasis at the sophomore level or higher.

3 courses from the following:

BIO 3026 Developmental Biology*
BIO 3065 Animal Physiology*
BIO 3204 Animal Behavior*
CHEM 2155 Organic Chemistry I*
CHEM 2165 Organic Chemistry II*
CS 3424 Robotics
CS 3434 Machine Intelligence (or PHIL 2434)
MUS 2304 Music Cognition
PSY 2024 Experimental: Sensation and Perception
PSY 3124 Abnormal Psychology
PSY 3354 Behavioral Pharmacology

Notes:

At least 1 elective must be at the 3000-level or above.

Elective courses must come from at least 2 programs.

*Indicates a course having a prerequisite that is exogenous to the set of required courses for the major. Plus intermediate core courses from another area of emphasis (for instance if a student with a psychology emphasis wishes to take Cell and Molecular Biology as a prerequisite for Animal Physiology).

Allied Courses (3 courses)

Students must complete the allied courses for their department of emphasis.

BIOLOGY Emphasis Allied Courses:

CHEM 1055 Principles of Chemistry I
CHEM 1065 Principles of Chemistry II
CHEM 2155 Organic Chemistry I (may be counted as an elective; grade must be C- or better if using as elective)

PHYS 2115 University Physics I

PHYS 2125 University Physics II

COMPUTER SCIENCE Emphasis Allied Courses:

PHYS 2115 University Physics

Philosophy

Philosophy Major

10 course units, including:

PHIL 1154 Practical Logic
PHIL 2514 Ancient Greek and Roman Philosophy
PHIL 2554 History of Modern Philosophy
PHIL 3414 Ethical Theory
PHIL 4444 Senior Seminar

1 of the following:

PHIL 3404 Epistemology
PHIL 3424 Metaphysics

4 electives

Philosophy Minor

5 course units, including:

PHIL 2514 Ancient Greek and Roman Philosophy
PHIL 2554 History of Modern Philosophy

1 3000-level Philosophy course

2 electives

Philosophy, Politics, and Economics

Philosophy, Politics, and Economics Major

10 course units, including:

Primary Required Courses (at least 4, at most 7 from this category; PPE 1024 plus at least 1 from each Philosophy, Political Science, and Economics)

PPE 1024 Synthetic Introduction to PPE

PHIL 1154 Practical Logic

PHIL 3414 Ethical Theory

PS 3114 Political Theory I

PS 3124 Political Theory II

ECON 2024 Principles of Microeconomics

ECON 2034 Principles of Macroeconomics

Capstone Required Courses

PPE 3114 Advanced Readings in Philosophy, Politics, and Economics

PPE 4204 Internship in Philosophy, Politics, and Economics

PPE 4444 Synoptic Senior Seminar

Elective Courses (at most 3 courses with no more than 2 from a single disciplinary program, not counting the Primary Required Courses)

Economics Electives:

ECON 3034 Money and Banking

ECON 3054 Microeconomics: Theory and Applications

ECON	3074	Macroeconomic Theory and Policy
ECON	3134	Public Finance
ECON	3144	International Trade and Finance
ECON	4044	History of Economic Thought
Philosophy Electives:		
PHIL	2004	Feminist Philosophies
PHIL	2084	Environmental Philosophy
PHIL	2164	Bioethics
PHIL	2174	Anarchism
PHIL	2294	Special Topics in Philosophy* (If approved by PPE program)
PHIL	3214	Social Theory of Karl Marx
PHIL	3534	Black Feminist Theory
Political Science Electives:		
PS	2194	International Politics
PS	2504	Politics of the Middle East
PS	2294	Special Topics in Political Science* (If approved by PPE program)
PS	3144	The Legal System
PS	3174	American Constitutional Development
PS	3294	Special Topics in Political Science* (If approved by PPE program)
Additional PPE Electives:		
PPE	2014	Presidential Topics
PPE	2294	Special Topics in PPE

Notes:

Requirement for Balance: At least 2 courses must be taken from among either the Primary Required and/or Elective course list in each Philosophy, Political Science, and Economics, except where a course from the approved list of "Other PPE Courses" is taken as a substitute elective or an exception is granted by the Philosophy, Politics, and Economics program director.

Requirement for advanced courses: At least 3 courses from the Primary Required Course list or among Elective courses must be passed at or above the 3000-level.

Philosophy, Politics, and Economics majors cannot take additional majors or minors in either Philosophy, Political Science, or Economics. Philosophy, Politics, and Economics majors may take second majors or minors in other disciplines.

Other PPE courses may substitute for courses listed as Elective Courses at the discretion of the PPE program chair and only if approved by the PPE program chair, consistent with the set of courses approved by the program faculty for this purpose. These courses may be taken as part of the PPE major program only if the prerequisites for the course designated by the course's originating program are completed in advance. Consult the university website and advising materials for other courses already approved as possible PPE electives.

Physical Education and Exercise Science

Teaching Physical Education Major

Note: No new major declarations permitted after fall 2012; major is ending.

22 course units, including:

PE	1004	Introduction to Physical Education and Exercise Science
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PE	2014	Team Sports I <i>or</i>
PE	2024	Team Sports II
PE	2034	Individual Sports I <i>or</i>
PE	2044	Individual Sports II
PE	2074	The Dance
PE	2094	Anatomy and Physiology I (or BIO 2014)
PE	3004	Methods in Physical Education
PE	3014	Physiology of Exercise
PE	3034	Athletic Injuries and Rehabilitation
PE	3054	Kinesiology and Biomechanics
PE	4004	Organization, Administration, and Evaluation of Physical Education and Exercise Science

The remaining 2 course units may be filled with any physical education courses.

Must meet state certification requirements as follows:

EDU	1004	Observing the Learner
EDU	2014	Schooling in American Culture
EDU	2094	Standards-Based Instruction
EDU	3054	Instructional Strategies and Content Area Literacy for Learners in Middle and Secondary Schools
EDU	3244	Practicum in Learning Experiences
EDU	4314	Supervised Teaching: Twelve Grades
EDU	4514	Senior Seminar <i>or</i>
PE	4444	Senior Seminar/Capstone
Allied Course:		
PSY	1004	General Psychology

Exercise Science Major

13 course units, including:

PE	1004	Introduction to Physical Education and Exercise Science
PE	2004	Health Promotions
PE	2094	Anatomy and Physiology I (or BIO 2014)
PE	2104	Anatomy and Physiology II (or BIO 2104)
PE	3014	Physiology of Exercise
PE	3054	Kinesiology and Biomechanics
PE	3204	Nutrition and Energy Balance
PE	4204	Internship
PE	4444	Senior Seminar/Capstone

4 elective courses from the following:

CHEM	1004	Chemistry in Society <i>or</i>
CHEM	1055	Principles of Chemistry I
CHEM	1065	Principles of Chemistry II
PE	2064	Emergency Care and Safety
PE	2074	The Dance
PE	2294	Special Topics in Physical Education and Exercise Science
PE	3034	Athletic Injuries and Rehabilitation
PE	4004	Organization, Administration, and Evaluation of Physical Education and Exercise Science
PHYS	1014	Conceptual Physics <i>or</i>
PHYS	2115	University Physics I
PHYS	2125	University Physics II
PSY	2114	Human Development: Childhood and Adolescence
PSY	2124	Human Development: Adulthood

PSY 3304 Biopsychology
Other electives may be approved in consultation with the advisor and program director.

Exercise Science Minor

7 course units, including:

PE	1004	Introduction to Physical Education and Exercise Science
PE	2094	Anatomy and Physiology I (or BIO 2014)
PE	3014	Physiology of Exercise
PE	3054	Kinesiology and Biomechanics
PE	3204	Nutrition and Energy Balance

2 elective courses from the following:

PE	2004	Health Promotions
PE	2064	Emergency Care and Safety
PE	2074	The Dance
PE	2104	Anatomy and Physiology II (or BIO 2104)
PE	2294	Special Topics in Physical Education and Exercise Science
PE	3034	Athletic Injuries and Rehabilitation
PE	4004	Organization, Administration, and Evaluation of Physical Education and Exercise Science
PE	4204	Internship
PE	4444	Senior Seminar/Capstone

Physics

Physics Major

12.75 course units, including:

PHYS	2115	University Physics I
PHYS	2125	University Physics II
PHYS	2154	Special Relativity
PHYS	2164	Modern Physics
PHYS	2404	Optics
PHYS	3014	Classical Mechanics
PHYS	3054	Electricity and Magnetism
PHYS	3101	Research in Physics
PHYS	4064	Quantum Mechanics with Advanced Laboratory I
PHYS	4102	Senior Research in Physics

Allied Courses:

MATH	1304	Calculus I
MATH	1324	Calculus II
MATH	2084	Differential Equations
MATH	2144	Calculus III

To become certified to teach physics, students must complete the following:

Physics Major

Education Minor (see Education)

Physics Minor

8 course units, including:

PHYS	2115	University Physics I
PHYS	2125	University Physics II
PHYS	2154	Special Relativity

2 electives from the following:

CHEM	3155	Physical Chemistry: Quantum Mechanics <i>or</i>
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CHEM	3165	Physical Chemistry: Thermodynamics, Kinetics, and Statistical Mechanics
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PHYS	2404	Optics
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PHYS	3014	Classical Mechanics
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PHYS	3054	Electricity and Magnetism
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Allied Courses:

MATH	1304	Calculus I
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MATH	1324	Calculus II
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MATH	2144	Calculus III
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Political Science

Political Science Major

11 course units, including:

PS	1004	Introduction to Politics
PS	1014	Introduction to U.S. Politics
PS	3044	Modern Political Concepts, Methodology, and Analysis
PS	3114	Political Theory I <i>or</i>
PS	3124	Political Theory II
PS	4444	Senior Seminar

1 course in comparative government chosen from the following:

PS	2504	Politics of the Middle East
PS	3314	Political Development
PS	3334	Politics of Russia
PS	3384	Topics in Comparative Politics

5 electives

At least 6 course units earned in fulfillment of the requirements of the major pattern in political science must be at the 3000-level or above.

Political Science Minor

6 course units, including:

PS	1004	Introduction to Politics
PS	1014	Introduction to U.S. Politics

4 electives

Preengineering

Partnership with University of Kentucky College of Engineering

Transylvania students interested in pursuing graduate study in engineering can participate in a unique partnership between Transylvania and the UK College of Engineering. Students can enroll in up to six foundational engineering courses at UK. These courses can begin as early as the sophomore year, but most courses are taken in the junior and senior years, with no more than two courses taken in any one term. These courses provide students with necessary prerequisites for graduate study in engineering. The UK courses are transferred back to Transylvania and count toward the total credits required for graduation. Students incur no additional costs for these courses as they are covered in Transylvania's tuition and fees.

Students must have a 3.0 cumulative GPA and sophomore standing to participate in the preengineering program. Qualifying students in any major may participate. Interested students should contact physics professor Jamie Day for general program information and for advice on engineering course selection and prerequisites.

3-2 Engineering Program

Cooperative programs are available in which a student may receive both a B.A. degree from Transylvania and a B.S. degree in engineering from a cooperating school of engineering. These programs require 3 years of study at Transylvania and 2 additional years at the cooperating school of engineering.

For more information, see page 61 and consult physics professor Richard Rolfes in the Division of Natural Sciences and Mathematics.

Premedical Studies

Students seeking admission to medical school may follow any major pattern. However, they should also seek the advice of a premedical advisor. For more information, see page 61 and consult exercise science professor Sharon Brown or biology professor Kathleen Jagger in the Division of Natural Sciences and Mathematics.

Prephysical Therapy

Students seeking admission to physical therapy school should seek the advice of the exercise science major advisor and the program director for physical education and exercise science. For more information, see page 61.

Preveterinary Medicine

Students seeking admission to veterinary school should seek the advice of a health careers advisor at Transylvania to ensure that they meet the specific requirements of each school to which they are applying. Auburn University and Tuskegee Institute reserve places for Kentucky residents and charge in-state tuition. All applicants, including reapplicants, will be required to submit GRE scores this fall as part of their application for entrance to Auburn in fall 2010. For more information, see page 61 and consult biology professor Belinda Sly in the Division of Natural Sciences and Mathematics.

Psychology

Psychology Major

11 courses, including:

PSY	1004	General Psychology
PSY	2224	Research Methods for Psychology
PSY	2234	Statistical Analysis for the Social Sciences
PSY	4444	Senior Seminar in Psychology
7 electives		

Psychology Minor

Any 7 full-unit psychology courses.

Religion

Religion Major

10 course units chosen in consultation with the program faculty to include:

REL	1014	Introduction to Religion
REL	1054	The Judaeo-Christian Heritage
REL	1134	Foundations of Asian Religions

REL	2024	The Bible
REL	4444	Seminar in Religious Studies

5 electives

Recommendation: Students planning graduate work should take French or German through 1034.

Religion Minor

6 course units chosen in consultation with the program faculty to include:

REL	1014	Introduction to Religion
REL	4444	Seminar in Religious Studies

4 electives

Sociology

Sociology Major

11 course units, including:

SOC	1004	Introduction to Sociology
SOC	2224	Research Methods for the Social Sciences
SOC	3104	Social Theory
SOC	4444	Senior Seminar/Capstone

2 courses on social institutions (SOC 2_14 or 3_14)

2 courses on social dynamics (SOC 2_44 or 3_44)

3 electives, only 1 of which may be an approved course outside of sociology.

Sociology Minor

6 course units, including:

SOC	1004	Introduction to Sociology
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5 electives

Sociology/Anthropology Major

11 course units, including:

ANTH	1024	Cultural Anthropology
ANTH	1034	Human Origins <i>or</i>
ANTH	1054	Introduction to Archaeology
SOC	1004	Introduction to Sociology
SOC	2224	Research Methods for the Social Sciences
SOC	3104	Social Theory
ANTH	4444	Senior Seminar/Capstone <i>or</i>
SOC	4444	Senior Seminar/Capstone

1 of the following area studies:

ANTH	2554	African Art and Culture
ANTH	3314	Latin American Prehistory
ANTH	3424	Appalachia and the Environment
HIST	2374	History of Africa
HIST	2404	Latin American Civilization I
HIST	2414	Latin American Civilization II

1 course on social institutions (SOC 2_14 or 3_14)

3 electives, 1 of which must be a 3000-level anthropology course and 1 of which may be an approved course outside of anthropology or sociology.

Theater

Theater Major

12 ¼ course units, including:

THEA	1001	Theater Practicum (minimum of 1 ¼ course units)
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THEA	1214	Preparing to Act
THEA	1314	Technical Theater
THEA	2324	Theater Design
THEA	3414	Fundamentals of Play Directing
THEA	3514	Modern Drama and Theater
THEA	3524	Classical Drama and Theater
THEA	3534	Playwriting
THEA	4004	Senior Seminar
3 theater electives (2000-level or above)		
THEA	1104	Introduction to Theater may be used as an elective if taken during student's first three regular terms

Theater Minor

6 ¼ course units, including:

THEA	1001	Theater Practicum (minimum of 1¼ course units)
THEA	1214	Preparing to Act
THEA	1314	Technical Theater
THEA	3414	Fundamentals of Play Directing

1 of the following:

THEA	3514	Modern Drama and Theater
THEA	3524	Classical Drama and Theater

1 theater elective

THEA	1104	Introduction to Theater may be used as an elective if taken during student's first three regular terms
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WS	2154	American Women Writers and Ethnicity (or ENG 2154)
WS	2294	Special Topics in Women's Studies
WS	2314	Gender and Children's Literature (or EDU 2314)
WS	2414	Sociology of Gender (or SOC 2414)
WS	2524	Psychology of Gender (or PSY 2524)
WS	2554	Human Sexuality (or PSY 2504)
WS	2714	Jane Austen and Film (or ENG 2714)
WS	2934	Gender, Culture, and the Social Body (or ANTH 2934 or SOC 2934)
WS	3044	Gender and Communication (or WRC 3044)
WS	3124	Women in American Life and Thought (or HIST 3124)
WS	3134	Women in Art (or ART 3124)
WS	3144	Gender in European History (or HIST 3144)
WS	3204	Reading and Representing Women's Lives
WS	3244	Global Feminisms (or ANTH 3244)
WS	3424	Women in Education (or EDU 3424)
WS	3514	Gender in Cross Cultural Perspective (or ANTH 3504)
WS	4204	Internship in Women's Studies
WS	4244	Directed Study in Women's Studies
WS	4294	Advanced Studies in Women's Studies

Women's Studies

Women's Studies Interdisciplinary Minor

An interdisciplinary academic program, women's studies aims to expand students' understanding and appreciation of women's lives and experiences both historically and in contemporary societies worldwide. Courses used to fulfill the requirements of the women's studies minor pattern should, to a significant degree, examine the ways in which gender has structured intellectual and social traditions in the humanities, social sciences, or natural sciences. Special topics courses, independent studies, or courses taken at other institutions may fulfill a minor requirement, upon approval of the director of Women's Studies.

6 course units, including:

Core Course:

WS	1004	Introduction to Women's Studies
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5 courses from the following:

CLA	2244	Gender and Sexuality in Greece and Rome
PHIL	2614	Animal Minds/Human Values
PHIL	3404	Epistemology
REL	2154	Gender Roles in Religious Life
SOC	2814	The Family—Past, Present, and Future
WS	2004	Feminist Philosophies (or PHIL 2004)
WS	2044	Gender and Communication (or WRC 2044)
WS	2144	Women's Literature (or ENG 2144)

Writing, Rhetoric, and Communication

Writing, Rhetoric, and Communication Major

12 course units, including:

WRC	1004	Introduction to Communication
WRC	2354	Rhetoric I: Introduction to Classical Rhetoric
WRC	4444	Senior Seminar in Writing, Rhetoric, and Communication

1 course from the following:

WRC	2314	Writing for Writing's Sake
WRC	2074	Fiction Workshop
WRC	2084	Poetry Workshop
WRC	3124	The Art of Persuasive Writing

8 full-unit WRC electives

At least 4 course units must be at the 3000-level or above.

Up to 2 electives can be replaced by approved courses outside WRC.

Communication Minor

6 course units, including:

WRC	1004	Introduction to Communication
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Plus 5 additional WRC courses, at least 2 of which must be 3000-level or above.

1 of the 5 may be an approved course outside of WRC.

Preparation for Professional and Graduate Schools

Although many Transylvania students enter careers immediately after graduation, many others continue their education in graduate or professional schools. For all of these students, Transylvania's strong liberal arts education serves admirably as a foundation for further development.

Transylvania does not offer a formal major in most pre-professional areas since the combination of general education courses plus emphasis in a major subject is a desirable basis for more specialized education. Specific requirements of a particular professional or graduate school may be readily satisfied as part of the regular program.

Graduate School. Students planning to enter programs leading to master's or doctoral degrees should consult early with faculty in their area of interest. Requirements vary not only among disciplines but also among graduate schools. Some require specific courses, some expect a reading knowledge of one or more foreign languages, and most require completion of the Graduate Record Examination (GRE).

Medicine and Other Health Professions. Medical schools vary somewhat in their specific requirements, but all recognize the "importance of a broad education—a strong foundation in the natural sciences (biology, chemistry, mathematics, and physics), highly developed communication skills, and a solid background in the social sciences and the humanities" (Medical School Admission Requirements, Association of American Medical Colleges, 2003-04).

Students planning a career in medicine may major in any field; medical schools are primarily concerned with the nature and quality of an applicant's academic background. Careful attention should be given, however, to satisfying particular requirements for the intended school of medicine. Premedical students should consult exercise science professor Sharon Brown or biology professor Kathleen Jagger, and work closely with their advisors throughout their college years.

Dental schools, pharmacy schools, schools of veterinary medicine, and other schools in the health professions have philosophies and requirements similar to those for medicine. However, since requirements are often specific, students should consult with professor Brown or Jagger during their first or second year at Transylvania so that they may plan their programs effectively.

Law. No particular course of study is required for admission to law school; many fields of study provide a sound basis for the study of law. Most important is not the choice of major but the overall quality of education. Therefore, regardless of major, prelaw students should take courses in history, politics and government, and economics, as well as courses that emphasize oral and written communication, interpersonal relations, and any other skills individual students may wish to develop. Students planning for a career in law should consult prelaw advisor and political science professor Don Dugi.

The Ministry. Transylvania has a distinguished record of preparing students for ministerial careers. A broad liberal arts education, with any major, is the usual preparation. The development of excellent communication skills is important, as is depth in the humanities and the social sciences. Courses in religion are of singular importance. For specialized guidance, students should consult religion professor and program director Paul H. Jones.

Engineering. There are two different opportunities available for students interested in pursuing engineering. Through a partnership with the University of Kentucky College of Engineering, Transylvania students may take up to six courses at UK as part of their undergraduate study at Transylvania. Upon graduation, the student will be fully prepared to enter a master's or doctoral engineering program. Students may start their engineering courses at UK as early as their sophomore year, taking no more than two classes a term. The UK courses are covered in Transylvania's tuition and fees. Students interested in this preengineering program should contact physics professor Jamie Day for advising.

3-2 Engineering. Transylvania offers a cooperative program with participating engineering schools. Students may complete their studies at Transylvania and enter an engineering school after three years. Upon successful completion of the two-year engineering program, the student receives that school's B.S. degree in engineering and the B.A. degree from Transylvania, provided that the student has met Transylvania's general education requirements and has taken at least 25 units of course work in residence. The B.A. degree will be in physics if the student completes six physics courses; otherwise the degree will be in liberal studies.

Because the preengineering program requires careful planning, students should consult early with physics professor Richard Rolfes and continue to work closely with him.

Prephysical Therapy. The exercise science major at Transylvania is often recommended for students seeking admission to physical therapy school. Early planning in this major and careful study of entrance requirements for a specific physical therapy program will offer the best opportunity for acceptance at that school. Students should consult with the exercise science major advisor and the program director for physical education and exercise science for additional information.

Accounting 4-1 Program. Completing Transylvania's accounting curriculum allows students to take the CPA exam with no need for a graduate degree. For students desiring a master's degree in accounting, however, Transy has arranged a 4-1 program with the University of Kentucky. Students entering the UK program immediately after graduation can earn a master's degree in 12 months. Similar arrangements, on a less formal basis, have been made with other graduate schools.

Course Descriptions

Accounting

ACCT 2014 Principles of Accounting I

A general introduction emphasizing procedural aspects of accounting data in decision-making. Various accounting methods for single proprietorships, partnerships, and corporations are explored.

ACCT 2134 Principles of Accounting II

The concepts of cost in developing information for management use in the determination of income, the selection of activities or projects, and the measurement of performance. Prerequisite: ACCT 2014.

ACCT 3022/3024 Independent Study

A study of the tools and techniques of research, the use of the library and Internet resources, and the planning and execution of a research project with a written report. May be repeated for a total of two units of credit. (½ or 1 course unit.) Standard or CR/NC grading.

ACCT 3034 Intermediate Accounting I

A more advanced study of the functions, theory, and practice of accounting and of their relationship to business management; the usefulness and limitations of accounting in providing information on financial activities, the acquisition of assets and services, the determination of income, and equity interests; the features of internal control; and the presentation, interpretation, and analysis of financial statements. Prerequisite: ACCT 2134.

ACCT 3044 Intermediate Accounting II

A continuation of ACCT 3034. Prerequisite: ACCT 3034.

ACCT 3084 Governmental Accounting

The application of accounting principles to governmental and nonprofit organizations. Topics include budgets for resource management and the operation of general and special revenue funds. Prerequisite: ACCT 2134.

ACCT 3094 Income Taxation

A presentation of the U.S. income tax system applicable to individuals, partnerships, and corporations, including topics such as the determination of gross income, business and personal deductions, and accounting methods. Prerequisite: ACCT 2134.

ACCT 3144 Cost Accounting

Presentation of cost accumulation methods, responsibility accounting, budgeting, and the entire spectrum of cost and profit analysis. Emphasis on developing information for management use in the determination of income, selection of activities (or projects), and the measurement of performance. Specific topics include process costing, joint and by-product costs, decision models, cost behavior, and variance analysis. Prerequisite: ACCT 2134.

ACCT 3212, 3214 Special Topics in Accounting

Offered periodically in May term in order to present creative or special topics of interest in the area of accounting. (½ or 1 course unit.) Prerequisite: Permission of the instructor.

ACCT 4002 Volunteer Income Tax Assistance (VITA)

Designed to provide free tax assistance to persons who cannot afford professional tax help. Volunteers assist with simple tax returns, particularly those of low income, elderly, or handicapped individuals. (½ course unit.) May be repeated twice for credit. CR/NC grading.

ACCT 4014 Auditing

Emphasizes concepts that enable the student to understand the philosophy and environment of auditing. Presents an overview of the public accounting profession, with special attention to auditing standards, professional ethics, legal liability, study and evaluation of internal control, nature of evidence, statistical sampling, impact of electronic data processing, and the basic approach to planning an audit. Prerequisites: ACCT 3034 and 3044.

ACCT 4024 Partnerships, Trusts, and Estates

Covers current controversial topics in accounting such as pension, leases, and price level accounting. Also includes the more traditional topics of partnerships, joint ventures, and branch accounting. Prerequisites: ACCT 3034 and 3044.

ACCT 4034 Corporate Consolidations

A continuation of ACCT 4024, with primary emphasis on in-depth coverage of corporate consolidations. Includes topics such as minority interest and pooling or purchase of interests. Prerequisites: ACCT 3034 and 3044.

ACCT 4202, 4204, 4208 Internship in Accounting

Study of accounting in business operations. Participants will interact with accountants in auditing, taxation, and management services within a CPA firm, business entity, or government office. Research on a topic chosen in consultation with the instructor and the agency will be required. ($\frac{1}{2}$, 1, or 2 course units.) CR/NC grading. Prerequisite: Permission of instructor.

ACCT 4444 Senior Seminar in Accounting

A synthesis of the various areas of accounting. In-depth study of accounting problems, with primary emphasis on the application of current accounting theory to problem solving. Standard or CR/NC grading. Prerequisite: ACCT 4034.

Anthropology (Sociology/Anthropology)**ANTH 1024 Cultural Anthropology**

Explores the similarities and differences among contemporary cultures of the world. Introduces the concepts and methods central to cultural anthropology and explores various domains of social life, such as marriage and family, political and economic systems, gender ideology, magic, and religion. Recommended for first-year and sophomore students only. III A

ANTH 1034 Human Origins

The physical origin, evolution, and prehistory of human beings and the major archaeological methods used to reconstruct the fossil record. Explores non-human primate evolution and social behavior among chimpanzees, gorillas, and monkeys. Focuses on the major debates in physical anthropology regarding the nature of human origins and evolution.

ANTH 1044 Cultural Geography

Provides an introduction to the study of spatial distributions of people on earth, including population trends, migration, land-use, urbanism, and changing global systems. This is an introductory course without prerequisites. Also listed as SOC 1054. III A

ANTH 1054 Introduction to Archaeology

Students will focus on how archaeologists make interpretations of the past using material remains. By examining the utility and limits of archaeological methods, students will learn to critically evaluate archaeological interpretations. The history of archaeology and major theoretical perspectives are examined and contemporary challenges facing archaeologists are explored. II Social Science

ANTH 1074 World Prehistory

An overview of major cultural developments in the world from the spread of modern humans throughout the world to the dawn of history. Prehistoric cultures from Asia, Africa, the Americas, and Europe are discussed, using archaeological and ethnographic source material to explore such topics as the origins of agriculture, the first cities, the development of the state, trade, and warfare. III A

ANTH 2204 Anthropology: Area Study

An intensive study of a particular geographic area and the culture within that area, such as Sub-Saharan Africa, the Middle East, the Mediterranean, or Native North, Middle, or South America. The area studied changes from term to term and will be announced in advance. May be repeated for credit as the topic changes. Prerequisite: ANTH 1024. IV; V

ANTH 2324 Cultural Psychology

An examination of culture and psychological processes as mutually constituting agents. The course will be positioned within broad themes including diversity in psychological functioning, cultural grounding of psychological experience and processes, and psychology of culture. Topics include self and identity, human development, relationships, emotions, cognition and perception, and motivation and health. Prerequisite: ANTH 1024 or PSY 1004. Also listed as PSY 2324. IV

ANTH 2344 Global Health

A multidisciplinary investigation of global health emphasizing a critical evaluation of its current status and prospects in several under-resourced countries. Focuses on ways that culture, economics, philosophy, science, and political policies influence population health, especially as these are evidenced in nutrition; epidemiology and infectious disease; maternal/child health; and chronic diseases that result from population trends such as obesity and smoking. Prerequisites: 1 course in ANTH, PHIL, BIO, or PE. Also listed as IDS 2344. III A or IV

ANTH 2554 African Art and Culture

Provides an introduction to the rich heritage of African art and culture. Examines the varied ways that African art has shaped and been shaped by the histories and cultural values of different African peoples, both in the past and during the present day. This course will strengthen the student's ability to critically assess the role of art in Africa for the people who produce and use it, and will provide an understanding of the role of African art in the West for the people who collect, exhibit, view, and study it. Topics of study will include social, political, religious, philosophical, gendered, and aesthetic practices. Also listed as ARTH 2554. III A or IV

ANTH 2604 Magic, Witchcraft, and Religion

Investigates the relationship between humans and the supernatural world in various cross-cultural settings, and the ways in which religious belief systems influence sociocultural arrangements around the world. Specific areas of study include shamanism, revitalization movements, healing cults, the function of witchcraft accusations, sorcery, and divination. Prerequisite: ANTH 1024. IV

ANTH 2934 Gender, Culture, and the Social Body

Investigates sociological and anthropological perspectives on the body. Topics include an analysis of body modification and alteration, (diet, exercise, bodybuilding, scarification), and bodily decoration (tattooing, body paint, jewelry, ceremonial clothing). The course poses questions such as: How are issues of power and domination written into cultural scripts about ideal forms? How does bodily decoration convey gendered meanings and statuses? Explores how processes of development and capitalism have transformed understandings and attitudes about beauty, clothing, and the "ideal" body. Prerequisite: ANTH 1024 or SOC 1004. Also listed as SOC 2934 and WS 2934. IV

ANTH 3204 Topics in Anthropology

An in-depth study of a particular topic in anthropology and the theories and methods used to study that topic. Topics may include culture change; psychological anthropology; applied anthropology; health, healing, and culture; or anthropology of Appalachia. IV

ANTH 3244 Global Feminisms

Designed to introduce students to women's issues, experiences, and activities from outside of the United States, focusing on areas generally understood to be part of the "Third World." Using an interdisciplinary and comparative approach, students will draw on various methods of analyzing and understanding the production of gender relations, and the webs of power within which women's lives are situated. Cultural dimensions of gender and power will also be considered. Topics studied may include colonialism, globalization, maternity and reproductive rights, violence, population and poverty, sexuality and sex work, women's activism, and grassroots cooperatives. Each time the course is taught, the focus is on three major world regions, exploring the above issues within each one. Prerequisite: WS 1004 or PHIL 2004. Also listed as WS 3244. III A or IV; V

ANTH 3304 Urban Anthropology

Investigates the nature of urban life in cross-cultural settings. Topics include theories of urbanism, migration, family life, kinship, class, and ethnicity. Students will conduct small-scale urban fieldwork projects as a means of exploring various dimensions of urban culture. Prerequisite: ANTH 1024. IV; V

ANTH 3314 Latin American Prehistory

Focusing on 20,000 years of human presence in Latin America and the Caribbean, from the arrival of the first people from Asia at the end of the last ice age to the arrival of Europeans in the sixteenth century, this course offers an overview of major cultural developments in the region, including the origins of agriculture, village life, and the first cities. Using archaeological, historical, and ethnographic source material, the course culminates in an examination of the Maya, Aztec, and Inca civilizations, including the radical changes that accompanied the arrival of Europeans. III A or IV

ANTH 3374 Health, Healing, and Culture

Medical anthropology is a subfield of anthropology concerned with health and healing systems cross-culturally. This course examines cultural conceptions of disease, illness, and healing as they vary across cultures. Topics surveyed include the role of healers in culture, biomedicine as a cultural system, mental illness, childbirth and reproduction, and non-Western medical traditions. Prerequisite: ANTH 1024. IV; V

ANTH 3404 Sustainable Development

Explores the concept of sustainable development, from the beginning of the era of international development following World War II to the present. The course explores the challenges involved in creating sustainable development, from the socio-cultural issues and environmental concerns to the definition of sustainability. Case studies will help highlight these issues. Prerequisite: ANTH 1024 or SOC 1004. Also listed as SOC 3404. IV; V

ANTH 3424 Appalachia and the Environment

From the beginning of human habitation to the present, the physical landscape of Appalachia has shaped the culture and society of Appalachian peoples. This course examines the relationship of the physical and cultural aspects of Appalachia, from Ice Age hunters to the present. Recent environmental and anti-environmental movements are discussed. Using anthropological, geographical, and sociological literature, students will develop an understanding of the complex relationship of the physical and cultural landscapes, examine the power of historical trends and legacies, and critically examine stereotypes and commonly held beliefs about the region. Prerequisite: ANTH 1024 or SOC 1004. Also listed as SOC 3424. IV

ANTH 3504 Gender in Cross Cultural Perspective

Provides analysis of the cultural conditions (both material and ideological) that shape the meanings underlying masculinity and femininity in various cultural contexts. Perspectives from Marxist and feminist theory, political economy, psychodynamic/psychological anthropology, and evolutionary psychology are utilized to understand gendered differences in cultural behavior. Prerequisite: ANTH 1024 or WS 1004 and at least 1 2000-level or above anthropology course. Also listed as WS 3514. III A or IV; V

ANTH 3944 Junior Seminar: History and Theory of Anthropology

Explores how theory has shaped both the kinds of questions posed by anthropologists and the data yielded by particular modes of inquiry since the early twentieth century. Examines the extent to which theoretical perspectives are tied to social and cultural norms of the time, and investigates how some predominant historical paradigms in the field of anthropology shape contemporary ethnographic work. Prerequisite: ANTH 1024, 1034, or 1054, and 2 2000-level or above ANTH courses. IV; V

ANTH 4014 Independent Study

Individual student research and practice in selected areas of anthropology, under faculty supervision. May be repeated once for credit. Prerequisites: ANTH 1024 or 1034 and permission of instructor.

ANTH 4204, 4208, 4212 Internship in Anthropology

Provides supervised placement of students in organizations dealing with anthropology field research, archaeology, directed culture change, or education in anthropological topics (museums, for example). The program provides an opportunity to work in some area of anthropology and to apply principles of anthropological courses. Substantive internship and organization to be chosen in consultation with internship supervisor. A total of 3 course units can be counted toward major requirements. (1, 2, or 3 course

units.) CR/NC grading. Prerequisites: ANTH 1024 or 1034, 4 course units in sociology or anthropology, and permission of instructor.

ANTH 4444 Senior Seminar in Anthropology

Explores contemporary applied and theoretical issues in anthropology. Student projects may be based on original research, field work, and/or review of existing literature. Central themes will vary and may include migration, identity, representation, human rights, refugee populations, and the future of anthropology.

Prerequisites: ANTH 1024, 3944, 3 additional units in anthropology, and senior status in anthropology. IV

Art

ART 1024 Introduction to Visual Art

An investigation of the personal, social, and cultural roles of art and visual communication from both contemporary and historical perspectives. Students will explore conceptual, formal, and technical issues in the visual arts through studio projects, slide lectures, class discussions, and visits to regional exhibitions.

Fulfills an art history elective in the art minor. II Fine Arts

ART 1424 Introduction to Drawing

An introductory studio investigation of historical, conceptual, and technical issues in drawing, with an emphasis on perceptual and observational skills. Students will explore a broad range of materials and subject matter in the development of a personal and expressive voice. II Fine Arts

ART 2104 Painting I

A studio exploration of the spatial properties of color through use of acrylic and oil paint. Students work from a variety of subjects as they investigate technical and conceptual issues from both historical and contemporary perspectives. Readings, discussions on theory, and visits to local galleries complement studio activities. Prerequisite: Any 1000-level Fine Arts course (Studio Art majors must take ART 1424). IV

ART 2294 Special Topics in Art

The study of an area of studio art not fully treated in other courses. Topics change from term to term and are announced in advance. May be repeated as long as the topic is different. IV

ART 2304 Sculpture I

An exploration of three-dimensional design, using subtractive and additive sculptural methods, with emphasis both on development of technique and on conceptual awareness. Prerequisite: Any 1000-level Fine Arts course. (Studio Art majors must take ART 1424.) IV

ART 2364 Photography I

An introduction to creating exhibition-ready artworks with photography. Course projects are informed by historical traditions and contemporary innovations in the medium of photography. Explores all areas of image creation including anatomy of the camera, developing images, making prints, finishing, mounting, and experimental techniques. Research of historical issues expected, along with presentation of a final portfolio. Prerequisite: Any 1000-level Fine Arts course. (Studio art majors must take ART 1424.) IV

ART 2424 Intermediate Drawing and Printmaking

A continuation of techniques and concepts introduced in ART 1424 with an emphasis on developing a basic understanding of printmaking history, technique, and application as they relate to drawing. Students will focus on the human figure as subject, while exploring basic surface and relief printmaking methods.

Prerequisite: ART 1424. IV

ART 2504 Ceramics I

Introduction to basic hand building, throwing, glazing, and firing techniques. Emphasis on individual creativity and form sensibility. Prerequisite: Any 1000-level Fine Arts course. (Studio Art majors must take ART 1424.) IV

ART 2614 Digital Imaging

Personal computers and digital imaging programs are quickly replacing the traditional media of photography and drawing in many commercial art fields. This course introduces students to software packages designed to create digital images for both print media and Internet use. Projects are designed to

reflect the various uses of digital imaging, and provide a complete range of experiences from high-resolution printed images to Web site animations. Prerequisites: A two-dimensional art course (ART 1004, 1024, or 2364). IV

ART 2744 Collage/Mixed Media Drawing

A studio investigation of conceptual and technical issues in mixed media drawing from traditional and nontraditional perspectives. A wide range of materials and subject matter will be introduced with particular attention to material and image integration. Students will work with found, manipulated, and constructed imagery in exploring composition as it promotes a personal and contemporary expression. Prerequisite: ART 1424 or permission of instructor. IV

ART 3364 Photography II

A continuation of techniques and concepts introduced in ART 2364. Includes exploration of new and experimental photographic techniques and increased emphasis on craft and aesthetic considerations. Prerequisite: ART 2364. IV

ART 3674 Painting II

A focused investigation of skills and ideas developed in ART 2104, with emphasis on concept and subject continuity with respect to modes of personal expression. Prerequisite: ART 2104. IV

ART 3774 Sculpture II

Further exploration of three-dimensional design in a wider variety of processes, with emphasis on application of these processes to specific problems. Prerequisite: ART 2304. IV

ART 3874 Ceramics II

A continuation of ART 2504, with increased emphasis on aesthetic considerations as well as the functional uses of clay. Includes introduction to glaze calculation and supervised kiln firings. Prerequisite: ART 2504. IV

ART 4204, 4208 Internship in Art

A practical, hands-on, faculty supervised field placement with a community arts institution (profit or nonprofit) tailored to meet students' professional/career interests. Possible areas of study include commercial/graphic art, photography, arts management, and interior design. Only one unit of internship credit may be used to fulfill major pattern elective requirements. (1 or 2 course units.) CR/NC grading.

ART 4302 Studio Art Senior Seminar: Theory and Methods

Includes research and analysis of major issues in studio art with focus on questions of practice and philosophical approach. Art majors are required to take this course during the first half of the winter term of their senior year. (½ course unit.) Prerequisites: Senior standing and one of the following: ARTH 2144, 3154, or 3124

ART 4344 Advanced Studio Practices

A continuation of ideas and processes introduced in discipline-specific level I and II art studios. Readings and lectures centered on a common theme will be used to stimulate the development of responsive studio projects as students engage media and processes of their own choosing. Guest lectures, studio/gallery and event visitations, open critiques, and critical writings will enhance the student's search for a personal voice. May be repeated unlimited times for additional credit. Prerequisite: Any second-level studio art course. IV

ART 4402 Studio Art Senior Seminar: Exhibition

Focuses on preparation for and installation of a senior exhibition. Students will prepare by presenting and discussing their finished work and works in progress, and by developing a personal artist's statement, slide portfolio, and professional resume. A panel of Art Program faculty and the gallery director will review these materials, including work submitted for exhibition. Art majors are required to take this course during the second half of the winter term of their senior year. Another, full credit, upper level studio art course should be taken concurrently. (½ course unit.) Prerequisite: ART 4302

ART 4404 Special Topics in Studio Art

Permits individual student activity in a selected and approved area of studio art. May be used to do further work in a studio art area in which the student has completed the normal course sequence, or to do work in

an area not treated in other studio courses offered during that term. May be repeated once for a total of 2 credits. Prerequisite: Permission of instructor. IV

Art History

ARTH 1114 Art History: Ancient to Gothic

A survey of major works and periods in Western art from the Stone Age to the Middle Ages. Emphasizes the principles and vocabulary of visual expression and the relationship between art and its historical context. Special attention is given to three-dimensional works—architecture and sculpture—in the ancient world (Egypt, Greece, and Rome) and in the Christian West (Byzantium and Europe). This course also introduces a selection of non-Western art and architecture. III B

ARTH 1124 Art History: Renaissance to Modern

A survey of major artists and movements in Western art from the early Renaissance to the present. This course introduces the general student to the principles and vocabulary of visual expression. With emphasis on painting, sculpture, and architecture, class discussions center on some of the economic, political, and social forces that shaped great works by artists from Giotto and Michelangelo to Picasso and Nevelson. III B

ARTH 1604 Introduction to Asian Art

A survey of visual traditions of Asia with an emphasis on the cultures of India, China, and Japan. Through examining major artistic trends of these three traditions, this course will introduce students to the distinctive styles, forms, and aesthetics of each region. Aesthetic issues will be studied within their appropriate religious and cultural contexts. Special attention will be given to the mutual influences and transmissions of culture that shape the works of art. III A

ARTH 2144 Art 1850 to the Present

An investigation of art and visual culture from its modernist beginnings at the end of the nineteenth century to its multiple expressions today. Class discussions will center on modern and postmodern works and on the historical, economic, and social forces that shaped them. Among the topics considered: revolutions, art war, new technologies, the market, popular images, and critical theories. Prerequisite: Completion of the Area II distribution requirement in fine arts. IV; V

ARTH 2154 History of Architecture: Classic to Contemporary

A survey of the western tradition in architecture and city design from the sixth century BCE to the present. For the most part, this is a “cities” course that centers on buildings and their urban environments. It will investigate some of the ways that buildings and urban centers are shaped by political, social, economic, and intellectual forces and, in turn, some ways that they reveal the culture of time and place. III B or IV

ARTH 2294 Special Topics in Art History

Study of an area not covered in other art history courses. Courses will include Western and/or nonwestern emphases, interdisciplinary study, and May term travel. Topics change from term to term and are announced in advance. May be repeated for different topics. IV

ARTH 2554 African Art and Culture

Provides an introduction to the rich heritage of African art and culture. Examines the varied ways that African art has shaped and been shaped by the histories and cultural values of different African peoples, both in the past and during the present day. This course will strengthen the student’s ability to critically assess the role of art in Africa for the people who produce and use it, and will provide an understanding of the role of African art in the West for the people who collect, exhibit, view, and study it. Topics of study will include social, political, religious, philosophical, gendered, and aesthetic practices. Also listed as ANTH 2554. III A or IV

ARTH 2604 Ideas in Non-Western Art

This course will consider how philosophic and religious ideas have been incorporated into the art of various non-Western cultures. Focus areas include Japan, China, India, the Middle East, Native North America, Native Africa, and New Guinea. Attention will also be given to comparison of non-Western with Western

art, and examination of intercultural influences. Satisfies an elective or art history course in the art major or minor. III A or IV

ARTH 2624 Arts of China

A survey of major trends in the arts of China from the Neolithic period to the early Modern era, with focus on important monuments and objects within cultural contexts. Aesthetic issues will be related to contemporaneous developments in philosophy, religion, government, society, and culture. Lectures, readings, and discussions will help students acquire some understanding of technological and stylistic developments as well as aesthetic, theoretical, and cultural issues. III A or IV

ARTH 2644 Arts of Japan

A survey of major trends in the arts of Japan from the prehistoric time to the nineteenth century. The course examines important monuments and objects within broader contexts of Japanese history and culture. Monuments associated with Shinto and Buddhist beliefs will be studied as well as works created in response to more secular interests. Special attention will be given to the relationship between Japanese art and that of continental Asia. III A or IV.

ARTH 2664 Chinese Calligraphy

An introductory survey of the history and art of Chinese calligraphy from the Shang through the Qing dynasties. The course focuses on the development of major artistic traditions and examines important artists and their works within the broader context of Chinese history. Through lectures, readings, class discussions, and studio practices, students will learn the aesthetic values of Chinese calligraphy as well as the fundamental brush and ink techniques. Attention will be given to the importance of calligraphy to Chinese culture. III A or IV

ARTH 3114 Special Topics in Art History

An intensive study of a period or topic in art history. Topics change and are announced in advance. Most “special topics” concentrate on issues of twentieth-century art—topics include the beginnings of modern (artists and issues from 1890 to 1914) and issues in art, 1960-1990. Seminar format. May be repeated for credit provided that the period or topic is different. Prerequisite: ARTH 1114, 1124, 2144, or permission of instructor. May be used to satisfy a distribution requirement in non-Western civilization when topic is appropriate. IV

ARTH 3124 Women in Art

A study of major issues about women and art from the Renaissance to the present. Discussion will center on the nature of images made by women and on the social, political, and economic forces that shape women’s work. Special emphasis will be placed on women as patrons, collectors, and models. Seminar format with extensive readings and research paper. Also listed as WS 3134. Prerequisites: ARTH 1124, 2144, or WS 1004. IV; V

ARTH 3154 Architecture 1850 to the Present

A critical study of buildings and their urban environments beginning with Europe and the U.S. in the second half of the nineteenth century and ending with a selection of global productions today. Emphasizes the social, economic, and political forces that have shaped architecture and cities and investigates some of the theories that underlay their form and meaning. Topics include: the architect as philosopher-builder, critical reception of buildings and city design, new technologies and architectural form, and issues of modern vs. postmodern. Prerequisite: ARTH 1124, 2144, or 2154. IV

ARTH 3164 Art 1970 to the Present

Examines some of the themes and ideas taken up by artists since 1970. Discussion will focus not only on single works but also on social, economic, and political forces that influence both artist and viewer. Seminar format with extensive readings and research paper. Prerequisite: ARTH 1124 or 2144. IV; V

ARTH 3624 Buddhist Art of Asia

Focusing on the visual arts of India, China, and Japan, this course is a study of the major Buddhist traditions in Asia. Particular attention will be given to Buddhist iconography and the role of the visual arts in Buddhist religious practice and society. Students will explore the exchanges and influences exerted by Buddhism throughout Asia and examine the distinctive religious expressions within each region. Prerequisite: ARTH 1604, 2624, 2644, or permission of instructor. IV

ARTH 3644 Modern Chinese Art

Explores the major trends in the arts of China from the late Qing (mid-19th century) to the Cultural Revolution period (1966-1976). Lectures and class discussions will examine art works in different media and center on the ways in which Chinese artists have defined modernity and tradition against the complex background of China's history. Special attention will be given to the political factors behind the making of works of art, as well as cross-cultural communication in twentieth-century China. Prerequisite: ARTH 1604, 2624, or permission of instructor. IV

ARTH 4204, 4208 Internship in Art History

Supervised placements in organizations that provide professional opportunities and experience. These include museums, establishments concerned with arts administration, architectural firms, and city planning offices. Area of placement and course format decided in consultation with appropriate faculty. Prerequisite: declared art history major; 4 art history courses; junior or senior standing. (1 or 2 course units.) CR/NC grading. One unit course.

ARTH 4444 Capstone Seminar in Art History

Thorough study of a single period in art history with an emphasis on methodology. This course explores a variety of critical/theoretical issues in the field and culminates in a major research paper. Prerequisite: two of the following: ARTH 3124, 3154, 3164, 3624, 3644, or permission of instructor. IV

Biology**BIO 1044 Biological Interactions**

A study of general ecological and evolutionary principles, including the origins, diversity, and interrelations of living things and their environment. Lecture and laboratory. II Natural Science

BIO 1164 Biology and Human Concerns

A study of general biological principles stressing a human perspective. This course will relate the knowledge of biology to pressing social, environmental, medical, and political issues of our time. The course is designed for nonmajors and will not count toward a major course requirement in the biology pattern. Lecture and laboratory. II Natural Science

BIO 2014 Anatomy and Physiology I

An introductory consideration of the structure and function of the integumentary, skeletal, muscular, and cardiovascular systems with particular reference to the human. This course is designed for exercise science majors and students considering an allied health career. It will not count toward the major course requirement of the biology pattern. Also listed as PE 2094. Lecture and laboratory. Prerequisite: BIO 1044 or 1164. IV

BIO 2024 Genetics

A study of the principles of biological inheritance: the physical basis and patterns of inheritance, cytogenetics, physiological and molecular genetics, and population genetics, as illustrated in plants, animals, and humans. Lecture and laboratory. Prerequisite: BIO 1044. IV

BIO 2064 Field Biology

Field study of the distribution, classification, and ecology of plants and animals. Student projects of field-oriented subjects required. Lecture, laboratory, and field trips. Prerequisite: BIO 1044. IV

BIO 2104 Anatomy and Physiology II

An introductory consideration of the structure and function of the nervous, endocrine, immune, respiratory, digestive, urinary, and reproductive systems with particular reference to the human. This course is designed for exercise science majors and other students interested in an allied health career. Does not count toward the major course requirements of the biology pattern. Also listed as PE 2104. Lecture and laboratory. Prerequisite: BIO 2014 or PE 2094. IV

BIO 2144 Tropical Ecology

A study of why the tropics experience a unique climate; how this creates a variety of unique habitats such as rain forests, cloud forests, savannas, and coral reefs; and the structure and dynamics of these habitats.

The class also investigates a variety of other topics including structure of tropical soils, nutrient cycling, tropical forest dynamics, tropical species diversity, and conservation. Lecture, laboratory, and travel.
Prerequisite: BIO 1044. IV

BIO 2214 Vertebrate Zoology

Examines the diversity of vertebrate animals, including their anatomy, physiology, ecology, and behavior. Investigation of the evolution of each vertebrate group and discussion of the major adaptations associated with the phylogenetic diversification of fish, amphibians, reptiles, birds, and mammals. Lecture and laboratory. Prerequisite: BIO 1044. IV

BIO 2304 Cell and Molecular Biology

A study of the cellular and molecular basis of life including the major types of biomolecules and their synthesis, the cell cycle, energy conservation process, cell membrane function, and organelle function. Lecture and laboratory. Prerequisites: BIO 1044 and CHEM 1055. IV; V

BIO 2424 Special Topics in Biology

Offers special topics designed to address current issues in biology. Students are required to read original papers and articles on reserve and to discuss materials in class. Topics with prerequisites will vary from year to year. Prerequisite: BIO 1044. IV

BIO 2504 Entomology

Examines the basic anatomy, physiology, ecology, evolution, and behavior of major insect groups. The course will also explore how insects as pollinators, vectors of disease, and/or competitors have influenced human civilization. Students will visit a variety of natural habitats (ponds, forest, old fields) to capture and identify insects for their collection. Emphasis will be placed on recognizing insects found in Kentucky. Lecture and laboratory. Prerequisite: BIO 1044. IV

BIO 3004 Selected Topics in Biology

Offers focused study which will address a specialized field in biology. Reading assignments and lectures will be based on original literature. Students will be required to make a presentation on a selected topic. Prerequisite: Permission of instructor. IV

BIO 3015 Comparative Invertebrate Zoology

Principles of morphology, taxonomy, evolution, physiology, embryology, and natural history of invertebrates. Lecture and laboratory. Prerequisites: BIO 2024 and 2304. IV

BIO 3016 Comparative Vertebrate Anatomy

The study of vertebrate anatomy from an evolutionary and functional perspective. Evolutionary changes in integument, skeleton, muscles, and the various organ systems will be investigated by comparing the anatomy of fossil and living fish, amphibians, reptiles, birds, and mammals. Laboratory will include dissection of sharks and cats. Lecture and laboratory. Prerequisites: BIO 2024 and 2304. IV

BIO 3026 Developmental Biology

Examination of patterns and mechanisms of embryonic development in various taxa. Selected topics in organogenesis are discussed. Lecture and laboratory. Prerequisites: BIO 2024 and 2304. IV

BIO 3046 Microbiology

A study of microorganisms such as bacteria, fungi, and viruses and their beneficial and harmful relations to other plants and animals, including humans. Lecture and laboratory. Prerequisites: BIO 2024 and 2304. IV

BIO 3065 Animal Physiology

A study of the principles of function of animal organisms emphasizing homeostasis and including organ systems. Lecture and laboratory. Prerequisites: BIO 2024 and 2304. IV

BIO 3124 Field Botany

A survey of photosynthetic organisms with emphasis on those native to Kentucky. Material to be covered includes taxonomy, nomenclature, life cycles, identification of plant parts and plant species, methods of collection and documentation, and ecological associations. Lecture, laboratory, and field study. Prerequisite: BIO 1044. IV

BIO 3144 Ecology

The study of how organisms interact with their environment and how this affects their distribution and abundance. Both applied and theoretical aspects of ecology will be investigated at the individual, population, community, and ecosystem level. Lecture, laboratory, and field trips. Prerequisites: BIO 1044 and MATH 1304. IV

BIO 3164 Ornithology

Investigates the evolution, anatomy, physiology, behavior, ecology, and conservation of birds. Field study will emphasize the development of skills for identification of North American bird species. Lecture, laboratory, field trips, and travel. Prerequisite: BIO 1044. IV

BIO 3204 Animal Behavior

Investigates the evolution of behavior in a variety of animal species. Topics covered include behavioral genetics, learning, communication, fighting and territoriality, foraging, mating systems, parental care, altruism and kin selection, and sociality. A significant portion of the grade in this class derives from independent research projects that students individually design, conduct, analyze, and write up. Lecture and laboratory. Prerequisite: BIO 2024. IV

BIO 3224 Neurobiology

An introductory consideration of the structure and function of the nervous system. Emphasis will be placed on neuronal physiology and nervous system development. The course will take an experimental approach, showing how current research is affecting our understanding of nervous system function. Laboratories will demonstrate applications of simple biochemical and physical measurement techniques to the study of the nervous system. CR/NC grading option with permission of instructor. CR/NC grading cannot be used toward the major or minor pattern requirements. Lecture and laboratory. Prerequisite: BIO 2304. IV

BIO 3314 Evolution

Examines the social and scientific history of the theory of evolution from pre-Darwin ideas to the current ideas developed from molecular and developmental biology. Examines how basic elements of the evolutionary processes (e.g., mutation, drift, and selection) can create large scale evolutionary patterns (e.g., adaptations, convergence, symbiosis, and the emergence of diversity). Format: lecture/discussion. Prerequisites: BIO 1044, 2024 and 2304. IV

BIO 4002 Supervised Laboratory Teaching in Biology

A practical internship on how to run a biology lab. Under close supervision of the biology instructor, the student plans, prepares, instructs, and grades a BIO 1164 laboratory section. (Other biology courses are available to qualified students.) Students must have successfully completed the course they teach. Course is open only to juniors and seniors; limited spaces are available. Required of all teaching biology majors; recommended for biology majors preparing for graduate school. (1/2 course unit.) Course may be repeated teaching a different biology lab course. Standard or CR/NC grading. Prerequisites: 5 course units in biology or permission of instructor.

BIO 4034 Molecular Genetics

An advanced genetics course investigating the biochemical nature of genes and the mechanisms of gene regulation. A significant laboratory component will introduce students to modern techniques in molecular genetics. Lecture and laboratory. Prerequisites: BIO 2024 and 2304. IV

BIO 4114 Immunology

A study of the molecular, genetic, structural, and cellular components of the immune system. Basic principles of immunology also will be applied to allergy, autoimmunity, AIDS, transplantation, control of infectious diseases, and cancer. Lab will involve independent investigations. Laboratory work will include experiments with animals, cells, and immunochemistry/serology. Lecture and laboratory. Prerequisites: BIO 1044, 2304, and 2024. IV

BIO 4212, 4214 Independent Study

A study of the tools and techniques of research, the use of the library for literature review, and the planning and execution of a research project, with a written report. May be repeated for a total of 2 units of credit. 1/2

or 1 course unit.) CR/NC grading for 4212. Standard or CR/NC grading for 4214. Prerequisite: Permission of instructor.

BIO 4304 Advanced Cell Biology

This advanced course is designed for senior biology students interested in pursuing questions of complex cell function. The biochemical and physiological details of cell structure and function will be explored, including an introduction to histology and cellular differentiation. Students will read primary literature in addition to a textbook and will do a series of short research projects in the laboratory. Lecture and laboratory. Prerequisites: CHEM 2165, BIO 2024, and 2304. IV

BIO 4444 Senior Seminar in Biology

The capstone course for the biology major designed to integrate and expand the student's knowledge of biology. Utilizing a topical theme, the course will explore the realm of biological knowledge, how biology progresses, and how to critically evaluate a field of study. Topics will be explored through lecture, discussion, extensive reading of the primary literature, and a substantial writing assignment. Topic will change year to year and by instructor. Prerequisites: BIO 1044, 2024, 2304, senior standing, and biology major, or permission of instructor. IV

BIO 4904 Senior Honors In Biology

Execution of a research project with an oral and written research report. May be repeated once for credit. Prerequisites: Senior standing, 4 course units in biology, a grade point average of at least 3.0 in biology courses, and permission of instructor.

Business Administration

BA 1044 Introduction to Business Administration

A study of the functional areas of business including the environmental setting, organizational structure, finance, management, and marketing. Focus on acquiring understanding of the language and entire range of activities known as business. Open to first-year students and sophomores only.

BA 2034 Personal Finance

The study of personal finance concepts and principles in setting financial goals, budgeting and cash-flow management, using credit, planning major expenditures, protecting income and assets, making investments, and estate planning.

BA 3014 Marketing Strategies

Examines the marketing process with emphasis on pricing, promotion, placement, and product/service development through the development of a strategic marketing plan. Case analysis and a group project expand on course content and stress managing the marketing process through strategy development. Prerequisites: ACCT 2014 and ECON 2024.

BA 3024 Management and Organizational Behavior

An analysis of the interplay between traditional management functions and the attitudes and behaviors of individuals in organizations. Develops the concepts central to management including organization, planning, decision-making, leadership, control, and ethics as well as such critical issues in the management of individuals as personality, motivation, communication, and organizational change. Prerequisites: ACCT 2014 and ECON 2024.

BA 3084 Legal Environment of Business

Examines legal, ethical, and regulatory issues in business organizations. Focus is on the American legal system including interaction of government, business, and society, business contracts, and sales. Prerequisite: Junior or senior standing or permission of instructor.

BA 3134 Financial Management

Study of valuation procedures for real and financial assets, including risk/return tradeoffs and portfolio effects. Business financial policies derived from valuation theory are applied to capital budgeting, capital structure, and working capital management decisions. Prerequisites: ACCT 2134 and ECON 2104.

BA 3154 Investment Analysis

A survey of investment alternatives and sources of information; a comparison of fundamental and technical evaluation methods; and the analysis, emphasizing risk/return tradeoff considerations, of portfolio and special situation investment management strategies. Prerequisites: ACCT 2134 and ECON 2024.

BA 3174 Consumer Behavior

This course gives students a fundamental understanding of consumer decision-making and its relationship to marketing management. It covers basic concepts and the framework for integrating knowledge of consumer behavior into management decisions. Prerequisite: BA 3014.

BA 3184 Human Resource Management

Designed to provide a foundation for the theory, principles, and practice of human resource management through analysis of job requirements, selection techniques, testing programs, wage and salary administration, financial incentive systems, and contemporary legal aspects. Prerequisite: BA 3024.

BA 3194 Financial Planning

Examines the tools, factors, and environments relevant to the financial planning process. Designed to enable students to develop socially responsible decision making skills for addressing short-term, intermediate-term, and long-term financial goals and the ability to apply this knowledge to related business situations. Prerequisite: ACCT 2014 and ECON 2034.

BA 3212, 3214 Special Topics in Business

Study of a problem area in business not analyzed in other courses. Topic will change and be announced in advance. ($\frac{1}{2}$ or 1 course unit.) Course may be repeated for credit provided different topics are taken. Prerequisite: Permission of instructor.

BA 3224 Entrepreneurship

Explores the nature and dynamics of the entrepreneurial process through readings, case studies, class discussions, and student projects. Topics of discussion include idea generation, capital acquisition, market planning, growth and expansion, and operations management. Special attention is directed toward characteristics and behaviors required for successful entrepreneurial activity. Prerequisites: BA 3014, 3024, and ACCT 2134.

BA 3234 Manager and Employee Communication

Addresses communication skills needed to fully develop people once they have been hired and trained. The areas of human learning, human satisfaction, and supervisory actions and opportunities needed to practice effective manager-employee communication will be covered primarily in a discussion and project format. Prerequisite: BA 3024.

BA 3244 International Business

An in-depth analysis of the complexities of doing business across national boundaries. Topics of discussion will include the multinational corporation, foreign direct investment, foreign financial markets, international marketing management, international industrial relations, and global business strategies. Prerequisites: BA 3014 and 3024.

BA 3304 Marketing Research

An in-depth introduction to the scientific method as applied to research in the area of marketing. Topical areas include question formulation design, sampling theory, measurement, data collection and analysis, and communication of findings. Practical application is emphasized, and students are required to develop and implement a focused study. Prerequisites: BA 3014 and ECON 2104.

BA 3534 Personal Selling and Sales Management

Principles and practices of personal selling and sales management including selling as a profession, preparation and the process of relationship selling, careers in selling, and managing the salesperson individually and as part of a sales force. Prerequisite: BA 3014 and 3024.

BA 3634 Promotional Strategies

Examines the underlying relationships between consumer behavior and marketing communication theories. Applies all elements of promotion mix (advertising, personal selling, publicity, and sales promotion) to marketing communication function. Integrates promotion strategy with overall marketing program. Prerequisite: BA 3014.

BA 3884 Bank Management

Techniques for managing bank funds to achieve profitability, liquidity, and solvency. Features asset and liability management, liquidity planning, short-term investment strategies, evaluating loan requests, customer profitability analysis and loan pricing, global banking activities, and trust operations. Prerequisite: BA 3134.

BA 4044 Seminar in Banking

Juniors and seniors who have completed Bank Management interact with local bankers, generally at their respective institutions. Current issues and applications of banking principles are discussed with bank officers ranging from specialized personnel to the chief executive officer of the organization. Prerequisite: BA 3884.

BA 4084 Business Policy and Strategic Management

An integrating experience to develop an ability to see the enterprise as a system of interdependent functional business disciplines. Using the case-method approach, computer simulations, and current business activities, the course concentrates on the determination and implementation of business strategy. Prerequisites: Senior standing and BA 3134.

BA 4202, 4204, 4208 Internship

Study of management and economics in operation. Participants interact with management in committee meetings, work with research personnel, and become acquainted generally with a particular business, government office, or research center while doing supervised research on a topic chosen in consultation with the instructor of the course and the agency. ($\frac{1}{2}$, 1, or 2 course units.) May be repeated once for credit. CR/NC grading. Prerequisite: Permission of instructor.

Chemistry

CHEM 1004 Chemistry in Society

An introduction to the field of chemistry where the material studied will center on real-world societal problems and issues. These issues are set in their social, political, and economic contexts. Lecture and laboratory. II Natural Science

CHEM 1055 Principles of Chemistry I

An introduction to chemical concepts and the chemistry of the common elements emphasizing aspects of chemical bonding and energetics. Qualitative and quantitative analyses are included. Lecture and laboratory. II Natural Science

CHEM 1065 Principles of Chemistry II

A continuation of CHEM 1055. Lecture and laboratory. Prerequisite: CHEM 1055.

CHEM 2155 Organic Chemistry I

A systematic study of organic compounds emphasizing reaction mechanisms and kinetics. Infrared spectrophotometry is used. Lecture and laboratory. Prerequisite: CHEM 1065. IV

CHEM 2165 Organic Chemistry II

A continuation of CHEM 2155. Lecture and laboratory. Prerequisite: CHEM 2155. IV

CHEM 2292, 2294 Special Topics in Chemistry

Recent developments or current topics in any field of chemistry at the sophomore level. Reading assignments and lectures are based to some extent on original articles in the chemical literature. Some laboratory or field work may be expected. ($\frac{1}{2}$ or 1 course unit.) Prerequisites: CHEM 1004, 1055, or 1065. IV

CHEM 2584 Forensic Chemistry

Chemistry in the police lab. A survey of methods and instrumentation used in the criminology laboratory, including drug analysis, alcohol content of blood, trace element analysis, etc. Includes a field trip to the state police laboratory in Frankfort. Mystery stories will be studied to observe whether methods are mentioned or used. Prerequisite: CHEM 1065. IV

CHEM 3014 Inorganic Chemistry

Based on more detailed inorganic chemistry, including structural chemistry, less familiar elements, and coordination complexes. Laboratory preparation of compounds illustrates different preparatory methods. Lecture and laboratory. Prerequisite: CHEM 1065. IV

CHEM 3044 Environmental Chemistry

The study of the sources, reactions, transport, effects, and fates of chemical species in water, soil, and air environments, as well as the influence of human activities upon these processes. Lecture and laboratory. Prerequisite: CHEM 1065. IV

CHEM 3084 Biochemistry

An introduction to the basic concepts of biochemistry starting with a review of the chemical compounds of biological interest. Discussion of the reactions of these compounds as well as the energetics of their biochemical reactions and the enzymes that catalyze them. This knowledge is then integrated to the carbon, nitrogen, and energy cycles of living systems. Lecture and laboratory. Prerequisite: CHEM 2165. IV; V

CHEM 3115 Quantitative Analytical Chemistry

Representative analyses to demonstrate various chemical laboratory techniques. Topics include volumetric, gravimetric, and spectrophotometric methods of quantitative analysis. Lecture and laboratory. Prerequisite: CHEM 1065. IV

CHEM 3125 Instrumental Analysis

Chemical analysis based on instrumental methods of separation, identification, and quantification. Special emphasis on infrared, visible, and ultraviolet spectroscopy, nuclear magnetic resonance, mass spectrometry, and chromatography. Lecture and laboratory. Prerequisite: CHEM 1065. IV

CHEM 3155 Physical Chemistry: Quantum Mechanics

Viewing nature from a quantum mechanical perspective, the course addresses the behavior of atoms, the chemical bonding observed in molecules, and the fundamental principles underlying atomic and molecular spectroscopy. Lecture and laboratory. Prerequisites: CHEM 1065 and MATH 2144. IV; V

CHEM 3165 Physical Chemistry: Thermodynamics, Kinetics, and Statistical Mechanics

A study of the fundamental chemical principles applicable to all subdisciplines of chemistry, involving thermodynamics, molecular interactions, and reaction dynamics. Lecture and laboratory. Prerequisites: CHEM 1065 and MATH 1324. IV

CHEM 4002 Supervised Laboratory Teaching in Chemistry

Required of teaching chemistry majors. A practical internship on how to run a chemistry laboratory. Under close supervision of the main laboratory instructor, the student assists in planning, instructing, and grading a chemistry laboratory section. May be repeated (only by teaching chemistry majors) once for credit if subject is different. Standard or CR/NC grading. Prerequisites: 6 course units in chemistry or permission of instructor.

CHEM 4014 Selected Topics in Chemistry

Recent developments or current topics in any field of chemistry. Reading assignments and lectures are based to some extent on original articles in the chemical literature. Students are expected to make a presentation of some topic. Prerequisite: Permission of instructor. IV

CHEM 4212, 4214 Independent Study

A study of the techniques of research, the use of the library for literature review, and the planning and carrying out of a research project, with a written report. May be repeated for a total of 2 units of credit. (1 or 2 course units.) Standard or CR/NC grading. Prerequisite: Permission of instructor.

CHEM 4442 Senior Seminar in Chemistry

This course will teach students how to do research in the library on chemistry topics. The students will then choose a topic in consultation with the instructor, prepare an abstract on this topic, and present a report orally to the class. (½ course unit.) Prerequisite: Senior standing in chemistry.

CHEM 4904 Senior Honors in Chemistry

Carrying out a research project with a written report. May be repeated once for credit. Prerequisites: Senior standing, four courses in chemistry, a grade point average of at least 3.0 in chemistry, and permission of instructor.

Classics**CLA 1014 Introduction to Greek and Roman Mythology**

An introduction to the major figures, myths, and themes in Greek and Roman mythology. Students will consider how ancient and modern writers, artists, and thinkers have used this mythology in their works. Attention also will be given to modern theories of myth and to the relation of myth to religion/cult and politics in the ancient world. II Humanities

CLA 2234 The Literature of the Greco-Roman World

A survey of ancient Greek and Latin literature in translation, which studies different genres and major themes and examines authors in their historical contexts and in the Greco-Roman literary tradition. The course will focus on how authors use Greco-Roman mythology to explore complex issues. Some attention will be given to ancient literary criticism and to the modern reception of this literature. II Humanities or IV

CLA 2244 Gender and Sexuality in Greece and Rome

An interdisciplinary study of gender and sexuality, in theory and practice, in the Greco-Roman world. Students will examine both written and archaeological evidence for the lives of women, homoeroticism, masculinity, and other aspects of humanity sexuality in antiquity and the modern ramifications. IV

CLA 2514 Ancient Greek and Roman Philosophy

Examines the dawn of philosophy in ancient Greece: the early natural philosophers, Socrates, Plato, Aristotle, and the Hellenistic world views; the relationship of philosophy to art and science; and the meanings of Greek philosophical experience for modern times. Standard or CR/NC grading. Also listed as PHIL 2514. III B or IV

CLA 2294 Special Topics

Study of aspects of the Greco-Roman world not fully treated in other classics courses. May be repeated for credit. Standard or CR/NC grading. IV

CLA 3224 Augustan Rome

An in-depth and interdisciplinary study of Rome during the Augustan Age (40 BCE-14 CE). Topics include literature, art, architecture, the legislation and policies of the Augustan regime, and the cultural model this period set in Western civilization. Prerequisite: CLA 2234 or permission of instructor. IV; V

CLA 3234 Ancient Drama

An in-depth study of Greek and Roman dramatic literature and theatrical production. Playwrights include Aeschylus, Sophocles, Euripides, Aristophanes, Plautus, Terence, and Seneca. Prerequisite: CLA 1014 or permission of instructor. IV; V

CLA 3244 The Twelve Caesars

A study of the force of the emperor's personality on the course of Roman history. With a look back at the career of Julius Caesar, the course examines the lives and policies of the Caesars from Augustus to Domitian. Study of Suetonius' *Lives of the Caesars* and Tacitus' *Annals and Histories* and discussion of the conventions of ancient biography and historiography. Prerequisite: HIST 2244. IV

CLA 3304 Religion in Ancient Greece

Surveys the religious belief, cult, and ritual of the Greeks from the Minoan period through the Hellenistic. It presumes some knowledge of ancient myth and will draw upon archaeological, iconic, and narrative

evidence to investigate concepts and practice in social context. Prerequisite: CLA 1014 or permission of instructor. IV

CLA 4444 Capstone Seminar

An interdisciplinary seminar focusing on an important cultural period in the Greco-Roman world and directing students in the use of different tools of classical scholarship in assessing primary evidence pertaining to key topics in contemporary research. Written project and presentation. Topics and the target period may vary. Prerequisite: Advanced junior or senior major standing. IV

Computer Science

CS 1014 Information and Communication Technology

How to find, use, manage, evaluate, and convey information efficiently and effectively in an information-driven environment. Focuses on the ability to use technology as a tool to research, organize, evaluate, and communicate information. Sources of digital information covered include, but are not limited to, text, sound, images, and video.

CS 1044 Computation and Technology in Western Thought

Computation relies on algorithms. These are simply precise, step-by-step instructions for solving a problem, but they have been foundational in the development of Western science, philosophy, and culture. The history of the algorithm is presented, its impact is tracked through a 400-year period, and a study of what can and cannot be accomplished with it is presented. III B

CS 1124 Foundations of Computer Science

An introduction to the field of computer science. Computer hardware, computer software, programming languages, and present and future uses of the computer will be considered. Topics will include algorithm development and analysis, algorithm efficiency, the binary number system, circuits, gates, basics of computer architecture, assembly language programming, and an introduction to translating language programming.

CS 2044 Computer Languages

An introduction to the use of a particular computer language and its characteristic applications. Various languages, such as FORTRAN, COBOL, C, and C++, will be treated depending on demand. The course may be repeated to include different languages. IV

CS 2124 Logic and Problem Solving

A continuation of Computer Science 1124 with emphasis on logic in problem solving, algorithm design, the syntax of translating languages, and mastery of the language C++. Prerequisite: CS 1124. IV

CS 2144 Computer Organization

Designed to give the computer science major a new view of the operation of a modern digital computer. The course focuses on the hardware implementation of computing devices. The binary number system, basic logic design, memory, control, I/O, and arithmetic units will be covered. The student will be introduced to the MIPS assembly language as a tool to explore these issues. Prerequisite: CS 1124. IV

CS 2212 Independent Study

Readings, research, and system building on an approved topic. May be repeated once for credit. (½ course unit.) Standard or CR/NC grading. Prerequisite: Permission of the instructor.

CS 2344 Discrete Structures

Basic mathematical topics used in the study of computer science will be considered. Topics will include logic; sets, sequences, and functions; mathematical induction; algorithms and basic analysis of algorithms; permutations, combinations and discrete probabilities; recurrence relations; trees; Boolean algebras; and combinatorial circuits. Prerequisite: MATH 1304 or permission of instructor. IV

CS 2444 Data Structures

Includes the study of strings, lists, graphs, trees, and files. Sorting, searching, and memory management will be analyzed for minimizations. Prerequisite: CS 2124. IV

CS 3014 Computer Graphics

An introduction to computer graphics hardware, software, and algorithms for both two- and three-dimensions. Topics include scan-line algorithms, affine transformations, clippings, projections, lighting, models, texture mapping, and surfaces. Interactive and animation techniques are studied. Prerequisite: CS 2444. IV

CS 3024 Compiler Construction

Students learn the detailed procedure necessary in compiler construction. A two-phase compiler will be written. Reverse Polish and other algebraic interpreters are included. Prerequisite: CS 2444. IV

CS 3074 Netcentric Computing

Designed to familiarize students with the modern view of an interconnected system of computers. The focus is on the underlying networks and the requirements of the operating system to support communication. Topics include hardware, software, deadlock, storage, process scheduling, TCP/IP protocol, and security. Java and C++ will be used to implement the algorithms presented in the course. Prerequisites: CS 2144 and 2444. IV

CS 3114 Special Topics in Computer Science

Study of computer hardware, computer software, and the integration of hardware and software. Emphasis on current issues in computing and topics not fully treated in other computer courses. May be repeated for credit. Standard or CR/NC grading. Prerequisites: CS 2124 and permission of instructor. IV

CS 3144 Database Management Systems

Organizations are accumulating vast volumes of data, mainly due to the use of technology. This course will cover topics such as the design, maintenance, and delivery systems used in information systems, with some specific topics being data retrieval, data mining, and data modeling. Prerequisite: CS 2444. IV

CS 3164 Interface Programming

Explores the capabilities of a scripting language for interfacing with system commands, Internet applications, networking applications, and databases. Special attention is given to Internet security issues and accessing databases via a network. Prerequisite: CS 2444. IV

CS 3234 Principles of Programming Languages

There are generally considered to be four major “families” of computer languages—procedural, functional, object-oriented, and logical. Each represents a different paradigm, which a programmer must be familiar with in order to write code in a variety of languages. This course takes a theoretical approach to teaching the similarities and differences among the four families by examining what can be computed. Regular expressions, context-free grammars, context-sensitive grammars, and Turing machines are used in this analysis. Prerequisites: CS 2344 and 2444. IV

CS 3304 Numerical Analysis

An investigation of numerical methods for computer solutions of applied problems. Topics include review of calculus, round-off errors and computer arithmetic, solutions of equations in one variable, interpolation and polynomial approximation, approximation theory, and numerical differentiation and integration. Prerequisite: MATH 1324 or permission of instructor. Also listed as MATH 3304. IV

CS 3344 Computational Theory

Examines the mathematical foundations of computer science with respect to both hardware and software. Through discussion on formal languages, NP versus P, algorithmic analysis, and data structure design, students will learn how to determine what can and cannot be computed and what efficiency a particular approach offers. Both concrete and philosophical approaches and results will be considered. Prerequisite: CS 2344. IV

CS 3424 Robotics

Introduces the student to both the hardware and software sides of mobile robotics. The fields of physics and biology will be mined for ideas concerning the design of the devices; navigations, mapping, vision, and voice recognition will be covered. Students will gain hands-on experience with a variety of robotic platforms in both lab settings and out-of-class work. Prerequisite: CS 2444. IV

CS 3434 Machine Intelligence

Familiarizes the student with the growing field of artificial intelligence. The course will describe what artificial intelligence is, how it is presently being used, and its future uses. Students will learn to design artificial intelligence systems, such as game systems and production systems. Prerequisite: CS 2444, PHIL 1024, or PSY 1004. Also listed as PHIL 2434. IV; V

CS 3444 Mental Organs

By viewing the mind as a powerful digital computer, the interdisciplinary approach known as cognitive science is unlocking secrets about thought that have puzzled humans for millennia. This seminar provides the vocabulary, background, and skills that are needed to appreciate this interdisciplinary area. Students will investigate the narrative structure of thought and language, analyze how humans can be said to have free will, and explore the nature and limits of morality. Prerequisite: CS 2444, PHIL 1024, 2514, or 2554. Also listed as PHIL 3444. IV

CS 4204, 4208 Internship

A program offering students supervised instruction in a non-classroom setting. (1 or 2 course units.) CR/NC grading. Prerequisite: Junior or senior standing.

CS 4214 Independent Study in Computer Science

Readings, research, and computer simulations on an approved topic. May be repeated once for credit. Standard or CR/NC grading. Prerequisite: Junior or senior standing.

CS 4314 Honors in Computer Science

A primarily independent study of a topic chosen by the student in consultation with a professor. Library and research facilities will be employed. May be taken for credit more than once. Prerequisites: Senior standing, 6 course units in computer science with at least a 3.0 grade point average, and the presentation of a satisfactory project proposal.

CS 4444 Senior Project in Computer Science

This seminar course will teach the student the methodology of managing an extensive research project, which will be chosen from their area of concentration. After an initial exploration of the topic, the student will focus on a specific problem to solve through the development of a significant computer project. Part of this development will focus on the evaluation of the final result with respect to the problem chosen. Prerequisite: Senior standing in computer science. IV

Economics**ECON 1004 Introduction to Economics**

Introduction to microeconomic and macroeconomic concepts and theories. Includes an overview of the microeconomic theories of consumer behavior, decision-making by the business firm, market structures, and resource markets; and the macroeconomic theories of national income determination, employment, inflation, money and the banking system, and the world economy. II Social Science

ECON 2024 Principles of Microeconomics

A study of the microeconomic analysis of the individual firm and consumer, price determination, and market structures. II Social Science or IV

ECON 2034 Principles of Macroeconomics

A study of the macroeconomic analysis of the economy and its banking system, income determination and its fluctuation, and monetary and fiscal policies. II Social Science or IV

ECON 2104 Economics and Business Statistics

Applications of statistical models and techniques to analyze data with specific relevance to economic and business problems. Topics will include probability, estimation, hypothesis testing, correlation, analysis of variance, and regression. Prerequisite: MATH 1034 or 1304. IV

ECON 3034 Money and Banking

A study of the economics of money, banking, financial markets, and the role of U.S. monetary policy in macroeconomic stabilization and economic growth. Topics include financial markets and institutions, central banking system, and monetary theory and policy. Emphasizes the role of the Federal Reserve System and its policies in maintaining economic growth and stability. Prerequisite: ECON 2034. IV

ECON 3054 Microeconomics—Theory and Applications

Development of the microeconomic theory of decision-making by households and business firms. Special emphasis on applications of the theory of the firm to business situations. Prerequisite: ECON 2024. IV

ECON 3074 Macroeconomic Theory and Policy

Study of macroeconomic theories and monetary and fiscal policy. Analysis of the factors that determine the economy's aggregate output, employment, interest rates, and general price level. Topics include unemployment, inflation, business cycles, and economic growth. Current issues and controversies in macroeconomics, including issues in macroeconomic stabilization policies and international macroeconomics. Prerequisite: ECON 2034. IV

ECON 3094 Econometrics

Designed to teach students how to use introductory econometric models and techniques, providing them with the basic tools of econometric analysis so they can apply these tools for estimation, inference, and forecasting in the context of real world economic problems. Topics include regression analysis, model specification, multicollinearity, heteroskedasticity, autocorrelation, maximum likelihood, and simultaneous equations models. The emphasis is on the practical applications of econometric methods to economic analysis. (Taught in alternate winter terms.) Prerequisites: ECON 2024, 2034, and 2104.

ECON 3114 Special Topics in Economics

The study of a school of thought, issue, policy application, or an individual not fully treated in other courses. Topics change from term to term and are announced in advance. May be repeated for credit provided different topics are covered. Prerequisites: ECON 2024 or 2034. IV

ECON 3134 Public Finance

Examines the economic justification for government participation in a market economy and evaluates government activities from the standpoint of economic efficiency. Topics include public goods, externalities, market failure, public choice analysis, expenditure programs, transfer programs, taxation, and regulation. Prerequisite: ECON 2024. IV

ECON 3144 International Trade and Finance

A study of theory and policy of international economic relations. Topics include international trade theory, international trade policy, and international monetary economics. Analysis of trade models, regional economic integration, the balance of payments, international capital flows, exchange rate theories, the evolution of the international financial system, open economy macroeconomic policy, and contemporary issues in the global economy. Prerequisite: ECON 2034. IV

ECON 4004 Independent Study

Designed to provide advanced undergraduates with experience in independent, self-directed study in which they initiate, plan, and direct their own research activities under the supervision and guidance of a member of the economics program faculty. A proposal for study must be submitted before the beginning of the term during which it is to take place, and it must be approved by both the supervising faculty member and the economics program director. Prerequisites: ECON 2024, 2034, and 5 units in economics or a related discipline.

ECON 4044 History of Economic Thought

A study of the origins of modern economic thought. Explores the historical development of economic theories from ancient to modern times, with emphasis on how these theories evolved into our present understanding of economics. Critical analysis of the evolution of key economic ideas by examining main contributions of the most outstanding economists in each period of economic thought. Topics include classical, Marxian, neoclassical, institutional, and Keynesian economics. Prerequisites: ECON 2024 and 2034. III B or IV; V

ECON 4204, 4208 Internship in Economics

A program offering students supervised practical experience in applied economics. Each internship is jointly supervised by an economics faculty member and a professional in a business or government organization. Research on a topic chosen in consultation with the faculty member will be required. (1 or 2 course units.) CR/NC grading. Prerequisites: Junior or senior standing and permission of instructor.

ECON 4884 Seminar in Economics

The capstone course for economics majors. Research and analysis of major issues in the field of economics. This seminar will address questions of philosophical approach, scientific methodology, and interaction with other disciplines. Prerequisites: ECON 2024 and 2034. IV; V

Education**EDU 1004 Observing the Learner**

Provides a foundation in educational psychology and introduces students to the discipline of education. Students are introduced to the research and major theoretical perspectives that shape the scholarly domain of education. They also explore issues that impact learning and address the question: What does it mean to be a learner in contemporary society? Field observation of a learning environment is an important requirement for the course.

EDU 2014 Schooling in American Culture: History, Philosophies, Trends, and Practices

Focuses on the history and purposes of the development of American schooling. The various educational philosophies that have informed schooling practices in the past and present are examined. Issues related to schooling in a complex and culturally diverse society form an integral part of the course. Nine hours of classroom observation are required. Prerequisite: FYS 1104. IV; V

EDU 2024 Children's Literature

Students will become familiar with literature appropriate for children from preschool through middle school. They will study authors and illustrators of high quality literature and their works, various literary genres, and strategies for introducing literature to children and for integrating it into the curriculum. Students will complete individual or group projects related to literary strategies. Prerequisite: PSY 1004, EDU 1004, or permission of instructor.

EDU 2084 Literature for Young Adults

For many young people, the love of reading tends to dissipate after the elementary years. By exploring the rather explosive genre of adolescent literature and its body of research and scholarship, students can discover new pleasures in reading, and along the way, insights into life's most perplexing issues for young people. Students will read numerous novels written for a young adult audience, and they will respond to them in writing and through discussion. Common themes of these novels include alienation, AIDS, homophobia, racism, dysfunctional families, sexual abuse, body image, teenage pregnancy, violence, and suicide. In addition, topics such as censorship, bibliotherapy, and reader response theory will be explored.

EDU 2094 Standards-Based Instruction

There are five strands to this course: standards and the standards-driven reform movements, assessment, educational technology, differentiated instruction, and culturally-responsive teaching. Students will become familiar with the major issues in each of these broad areas and will learn to evaluate them critically. Students will also demonstrate at least an acceptable proficiency with technological applications commonly used in schools.

EDU 2104 The Teaching of Mathematics I

Provides a foundation for the teaching of mathematics for students in grades K-8. Examines current theories related to the teaching of mathematics with a focus on examining mathematics content and the intersection of a conceptual understanding of school mathematics with best practices for teaching mathematics. Topics include mathematics content and pedagogy, the discourse of mathematics, the Common Core State Standards for Mathematics, and trends in the teaching of school mathematics.

EDU 2164 Designing Constructivist-Based Learning Climates

Designed to familiarize teacher education students with current findings on teaching/learning processes so that they can create classroom environments that enable learners to construct meaning from their own experiences. Students will also learn to prepare learning experiences for exceptional learners. Requires 15 field hours and lab. Prerequisite: EDU 1004 or permission of instructor.

EDU 2204 Enculturation in Non-Western Societies

This course studies how children become capable adult members of their societies. Readings will include ethnographic studies, mythology, and folklore. Topics include models and theories of enculturation, family types, kinship systems, initiation rituals, rites of passage, child-rearing practices, personality and culture, and models of cultural transmissions. This is an elective course. Prerequisite: Sophomore standing. III A

EDU 2314 Gender in Children's Literature

Acquaints the student with issues related to the construction of gender in literature for children and young adults. The focus may change from term to term, so that gender issues in specific genres can be explored in-depth. Students will complete group projects and reflections on films and readings. Prerequisite: EDU 1004, 2024, WS 1004 or permission of instructor. Also listed as WS 2314. IV

EDU 2414 The Immigrant Child

Examines issues related to immigrant children who represent linguistic and cultural diversity within American schools. Students engage in a focused study of immigrant populations in order to better understand the experience of immigrant children who often must straddle two conflicting worlds as they make their way through American public education. This course is an education elective. Field work in schools involving children from immigrant populations is a requirement. Prerequisite: EDU 1004. IV; V

EDU 3034 Literacy in Written and Spoken Language for Learners in Primary Schools

Familiarizes teacher education students with the cognitive and linguistic foundations of literacy development with an emphasis on the primary school child. Students will become acquainted with various programs of reading and language arts instruction, but the balanced literacy approach will be emphasized. Students will construct integrated learning experiences that foster language development and promote increased skill in reading, writing, and speaking. They will learn how to integrate literacy activities into specific subject areas such as mathematics, social studies, science, and art. Study of children's literary texts, both fiction and nonfiction, will be emphasized. Requires 10 field hours and lab. Prerequisite: Admission to Education Program or permission of program director.

EDU 3054 Instructional Strategies and Content Area Literacy for Learners in Middle and Secondary Schools

Familiarizes the teacher education student with the cognitive and linguistic foundations of literacy development with an emphasis on language development of the middle and secondary school student. Various programs of reading and language arts instruction are viewed, but the whole language method is emphasized. In addition, the course emphasizes instructional methods which support learning in middle and/or secondary school environments. The teacher education student will construct integrated learning experiences which foster language development and promote increased communication skill in reading, writing, and speaking. Students learn about integrating literacy activities with content area learning in specific subject areas such as mathematics, history, biology, English, foreign language, and other subject areas of middle and secondary school environments. Study of texts, both fiction and non-fiction, written for adolescents and/or young adults is emphasized. Requires 8 field hours and lab. Prerequisite: Admission to Education Program or permission of instructor.

EDU 3074 Interactive, Integrative Learning Climates

Students will learn how to prepare and assess interactive learning experiences that integrate various subject concepts and processes appropriate for diverse learning levels. Attention will be given to selecting, integrating, and translating knowledge and methodology from the social sciences, music, art, and literature into activities that are appropriate for learners, including those with exceptionalities. Students will also learn to be sensitive to gender and ethnic issues. Professors from other disciplines collaborate in teaching this course. Requires 8 field hours and lab. Prerequisite: Admission to Education Program or permission of program director.

EDU 3084 Inquiry-Based Learning Climates

Focuses on teaching science in the elementary classroom with an emphasis on both science content (science topics appropriate for elementary learners recommended by state and national standards) and on pedagogy. Major topics include: children as scientists, constructivism in science education, the role of discourse in science teaching, science processes, science for diverse populations, technology, and assessment of student learning. An additional course theme focuses on children's health and wellness in contemporary society. Requires 10 field hours and lab. Prerequisite: Admission to Education Program or permission of program director.

EDU 3104 The Teaching of Mathematics II

Extends student's knowledge for the teaching of mathematics for students in grades K-8. Examines current theories and best practice related to the teaching of mathematics in school contexts with a focus on planning and executing mathematics lessons in the classroom. Students continue to explore mathematics content and pedagogy; however, with an added emphasis on current trends in mathematics education research, culturally responsive practices for mathematics teaching, and response to differentiation in the planning of mathematics instruction. Prerequisite: EDU 2104.

EDU 3124 Young Adolescents: Preparing to Teach in the Middle Level

Prepares prospective teachers to develop a comprehensive understanding of the development of young adolescents. Attention will focus on the physical, social, emotional, intellectual, and moral characteristics and risk behaviors of young adolescents as expressed in both social and school contexts. This understanding becomes part of a rationale for and the function of middle-level philosophy. Prospective teachers will develop an understanding of their roles as middle-level teachers, coaches, mentors, sponsors, and guides who understand and can facilitate healthy growth and development of young adolescents. They will also develop an understanding of the design of appropriate middle-school learning environments including flexible grouping and scheduling, teacher-based guidance programs, electives, exploratory experiences, clubs, community service, and work with families. Requires 10 field hours. Prerequisite: Admission to Education Program or permission of instructor.

EDU 3134 Creating Middle Level Learning Experiences

Focuses on preparing prospective teachers to create interactive middle level learning experiences that are developmentally and culturally responsive. Prospective teachers will develop instruction that incorporates a recognition of individual learning differences by utilizing multiple approaches to thinking and learning. Requires 10 field hours. Prerequisite: Admission to Education Program or permission of instructor.

EDU 3204 Philosophy of Education

Examines recurring philosophic questions related to the nature and purposes of knowledge and formal education systems through the study of classic and contemporary philosophic texts. Educational theories, curriculum matters, and other schooling controversies will be analyzed in light of the disparate philosophic theories. The question of what it means to be an educated person will be the focus of the course. Prerequisite: EDU 2014. IV

EDU 3244 Practicum in Learning Experiences

Designed for students to gain actual classroom experience by planning, organizing, developing, delivering, and assessing instruction in the grade level(s) of their certification. When possible, teaching segments will be videotaped, and students will be evaluated by cooperating classroom teachers and the college supervisor. Students will spend 3 weeks of full-day teaching in the classroom with on-campus seminars before, during, and after the 3-week experience. Students should enroll in this course during May term of their junior year. CR/NC grading. Prerequisites: Admission to Education Program and junior standing.

EDU 3294 Special Topics in Education

Advanced study of a topic or area of inquiry that has not been treated fully in other education courses. Topics may be based in educational theory, philosophy, history, or practice. They may also be related to an examination of a current trend or philosophical world view that has direct impact on the discipline of education or may reflect timely research trends within the field of education. Travel courses that involve a study of comparative education or other relevant topics may be included. Topics will vary and will be announced in advance. This course may be repeated for credit if the topic is different. Standard or CR/NC grading. Prerequisite: EDU 2014

EDU 3314 Readings in Peace Education

A study of peace from a variety of disciplinary viewpoints. Readings and other materials encourage students to question the rationale(s) for war and analyze arguments made for solving conflicts in ways that promote peace. Theories and definitions related to violence, nonviolence, war, and pacifism, as well as positive and negative peace will be explored. The theoretical emphasis of the course focuses on the carving out of appropriate epistemologies that develop an education for peace. Prerequisite: Junior standing or permission of instructor. Also listed as IDS 3314. IV

EDU 3414 Race, Ethnicity, and Social Class in American Education

Examines American education within the broader scope of race, ethnicity, and social class. Success in American society is influenced by racial, ethnic, and/or social class status. Students will examine how such status differences manifest themselves within American public education—an institution purported to provide equal opportunity regardless of race, ethnicity, and/or social class. Other issues addressed are identity development of culturally diverse children, the impact of poverty on education, school funding, tracking, culturally relevant teaching, and how standard school practices influence students from historically underrepresented populations. Prerequisite: Completion of Area II Social Science and EDU 2014. IV; V

EDU 3424 Women in Education

Examines the impact of women on philosophical foundations in the field of education and the subtle forms of sexism that undermine the education of girls and young women in current educational contexts. Students will examine work of historical and contemporary women philosophers to understand their unique contributions to the field of education. Students will also examine developmental needs of girls and current research on gender inequities within schools. Prerequisite: Completion of Area II Social Science and EDU 2014. Also listed as WS 3424. IV; V

EDU 4012, 4014 Independent Study

Intensive study, through research and/or internship, of an educational issue or of special educational techniques and programs. Prerequisite: Senior standing. (½ or 1 unit.)

EDU 4114 Supervised Teaching in High School

Open to seniors who are meeting requirements for a teacher's certificate in secondary education. Includes seminar. (4 course units.) Prerequisites: Permission of instructor, recommendation of major department, admission to Teacher Education Program, 2.75 grade point average in major(s) and minor(s), 2.75 grade point average in professional education courses, an overall grade point average of 2.75, and approval of Teacher Education Advisory Board.

EDU 4214 Supervised Teaching in Elementary School

Open to seniors who are meeting requirements for a teacher's certificate in grades K-4. Includes seminar. (4 course units.) Prerequisites: Permission of instructor, departmental recommendation, admission to Teacher Education Program, 2.75 grade point average in an area of emphasis (fine arts and humanities for students using core requirements for completion of an approved area of emphasis), 2.75 grade point average in professional education courses, an overall grade point average of 2.75, and approval of Teacher Education Advisory Board.

EDU 4314 Supervised Teaching: Twelve Grades

Open to seniors who are meeting requirements for teacher certification for 12 grades in art, music, or physical education. Includes seminar. (4 course units.) Prerequisites: Permission of instructor, recommendation of major department, admission to Teacher Education Program, 2.75 grade point average in major(s) and minor(s), 2.75 grade point average in professional education courses, an overall grade point average of 2.75, and approval of Teacher Education Advisory Board.

EDU 4414 Supervised Teaching: Middle Grades 5-8

Open to seniors who are meeting requirements for teacher certification for middle grades 5-8. Includes seminar. (4 course units.) Prerequisites: Permission of instructor, departmental recommendation, admission to the Teacher Education Program, 2.75 grade point average in both areas of emphasis, 2.75 grade point average in professional education courses, an overall grade point average of 2.75, and approval of Teacher Education Advisory Board.

EDU 4514 Senior Seminar

The senior capstone for education and educational studies majors is designed to engage students of the discipline in a topical theme that explores the theoretical and practical aspects of teaching and learning. Students will experience a topic in education through selected readings, discussion, writing assignments, and/or special projects. Topic will change year to year and by instructor and could involve a travel component. Prerequisite: senior standing and education or educational studies major, or permission of instructor.

English**ENG 1074 Perspectives on Literature**

An introductory course in literature designed to guide students' critical thinking about literary works of various kinds, prose, fiction, poetry, and drama. Students will be given practice in discerning the distinctive features of individual texts, while developing their sense of literature's role in cultural life. Limited to first-year students and sophomores or by permission of instructor. II Humanities

ENG 1134 Introduction to Poetry

An introduction to the study of poetry as a verbal art. Students will focus intensely on language and the ways in which poems develop meaning through a complex patterning of linguistic features. Students will also be guided in thinking of poetry's value in cultural life. Not a creative writing course. Limited to first-year students and sophomores or by permission of instructor. II Humanities

ENG 1144 Introduction to Fiction

An introductory course in prose fiction that focuses on the short story as a form, but may also include a novel or two in its syllabus. Students will practice discerning the distinctive features of individual texts, while developing their sense of narrative fiction's contributions to cultural life. Limited to first-year students and sophomores or by permission of instructor. II Humanities

ENG 1194 Introduction to Film

A study of film as a major contemporary art form. Topics include film technique and aesthetics, the history of motion pictures, and genres. At least one film viewing each week. II Humanities

ENG 1514 Readings for Creative Writers

An introduction to the study and practice of creative writings, open to first- and second-year students. Through close readings of literary works, students will discover elements of the writer's craft. This course is an apprenticeship in which the skills that go into the composition of an exemplary work of literature are identified, discussed, and finally, practiced by the student. Prerequisite: FYS 1004.

ENG 2004 Studies in Fiction

A study of short fiction and novel-length works by selected writers primarily from the English-speaking world. Examines the intellectual and cultural backgrounds of these selected works of fiction and develops a comprehensive understanding of the literary techniques through which the fiction writer shapes his/her work. Authors studied may include Flannery O'Connor, James Baldwin, Joyce Carol Oates, Toni Morrison, Joseph Conrad, Virginia Woolf, Margaret Atwood, and Gabriel Garcia Marquez. IV

ENG 2074 Fiction Workshop

An introductory study of the conventions that shape fiction combined with extensive practice in using these conventions. Conducted as a workshop, the course will involve regular writing and discussion of the work produced by the student writers themselves. Students wishing to enroll must present satisfactory evidence of motivation and serious interest in creative writing. Standard or CR/NC grading. Also listed as WRC 2074. IV

ENG 2084 Poetry Workshop

An introductory study of the conventions that shape lyric poetry combined with extensive practice in using these conventions. Conducted as a workshop, the course will involve regular writing and discussion of the work produced by the student writers themselves. Students wishing to enroll must present satisfactory evidence of motivation and serious interest in creative writing. Standard or CR/NC grading. Also listed as WRC 2084. IV

ENG 2124 Introduction to African Fiction

An introduction to African literature from Anglophone (English-speaking) countries. The course will focus on clarifying forms of narration that attract African writers as well as issues such as the place of intellectuals and narrative art within contemporary African cultures, language and audience, language and politics, and tradition and modernity. The course will be supported by journalistic and video material, as well as series of feature films by African directors. Works studied will be by Achebe, Emecheta, Nduhi, Dangarembga, Ata Aidoo, Ogot, and others. Prerequisite: Sophomore standing or above. III A or IV

ENG 2134 American Writing of Nature

A study of the ways in which recent American writers represent nature and of the meaning and viability of an ecological culture. The course will allow students to become aware of how literature (essays, fiction, poetry) explores different ways of naming our relation to the land, to other life forms, and, of course, to other humans. Among the writers studied are Barry Lopez, Leslie Marmon Silko, Gary Snyder, and Denise Levertov. IV; V

ENG 2144 Women's Literature

A survey of major issues in the study of women in literature, covering a representative sample of women writers. Questions will be raised about the nature and effects of patriarchal thinking on women and women writers, about the ways in which women's problems emerge in women's writing, and about the ways in which women writers image reality. Prerequisite: At least one ENG course. WS 1004 is recommended preparation. Also listed as WS 2144. IV; V

ENG 2154 American Women Writers and Ethnicity

A study of prose and poetry written by women in America: African-American, Asian, Chicana, American Indian, West and East Indian. The course will focus on questions raised about historicity, race, class, and gender, and the function of writing in addressing such social dynamics. Beyond this inquiry, the course will address issues related to compound identities and communities, class position and education, the construction of sexuality, the formation of collective ethnic or racial consciousness, and women's communities. Writers may include Hurston, Larsen, Morrison, Kingston, Erdrich, Andalzua, Mukherjee, and others. Also listed as WS 2154. IV; V

ENG 2164 Twentieth-Century African American Literature

A study of African American writing that explores the portrayal of urban experience following the Great Migration. The class will read fiction, drama, and non-fiction narratives, listen to jazz, and watch films in order to examine how race, class, and gender shape life in American cities and how literary representation has changed historically. Writers may include Charles Chesnutt, Nella Larsen, Richard Wright, Ann Petry, Gwendolyn Brooks, Paule Marshall, Amiri Baraka, and Toni Morrison. IV

ENG 2174 Popular Fictions

An introduction to the critical study of popular culture. Texts will be selected from a variety of media (print, film, television, or comic books, etc.) so as to open questions of genre (detective, romance, or thriller, etc.). The critical contexts will provide students with the opportunity to investigate the cultural and political implications of popular forms and to consider the role of popular fiction in contemporary life. Media and genres considered may change from term to term. IV

ENG 2184 Literature of the American South

A study of selected fiction, poetry, drama, and nonfiction by Southern writers. The course will address ways in which these writers both reflect and create what have come to be considered cultural realities about the region, the relationship between the history of the area and its literature, and the continued existence of the South as a distinctive region within the United States. Writers may include Jefferson, Poe, Twain, Chesnutt, Chopin, the Nashville Agrarians, Hurston, Faulkner, Tennessee Williams, O'Connor, Welty, Gaines, Walker, and Allison. IV; V

ENG 2284 South African Fiction, 1960-1994

A study of South African fiction written between 1960 and the first fully democratic elections of 1994. The course includes some of the key issues addressed by writers such as J. M. Coetzee, Nadine Gordimer, Bessie Head, Alex La Guma, and Njabulo Ndebele as they lived through the effects of apartheid. Guiding this exploration will be an awareness of developments in the new South Africa as it seeks to come to terms

with the violence and racialism of its past. Inclusion of journalistic and video material will provide assistance in understanding the relevant historical and social contexts. IV

ENG 2294 Special Topics in Literature

Study of an author, period, or problem not fully treated in other English courses. Topics change from term to term and are announced in advance. May be repeated for credit. IV

ENG 2344 The Culture of Nature

A study of ways in which popular culture in the U.S. shapes assumptions about nature. The course provides students with a critical language designed to illuminate cultural products in a variety of media (print, film, television, etc.) as well as those aspects of daily life which communicate ideas of nature implicitly. This course will treat a range of topics in relation to environmental concerns, including, for example, gender, wilderness, food, tourism, labor, and the sciences. IV

ENG 2374 Postmodern Literature

A study of literature after 1945 that reflects a postmodern consideration of language as a means to cultural criticism. The course will examine how writers, by focusing on language, experiment with form narrative, dramatic, and poetic. The literature embodies varieties of cultural criticism, including feminist and postcolonial; may include such writers as Donald Barthelme, Italo Calvino, Derek Walcott, Angela Carter, Salman Rushdie, M. M. Coetzee, and Caryl Phillips. IV; V

ENG 2474 Survey of British Literature I

A study of great British writers from the Anglo-Saxon period through the Restoration. Included are such figures as Chaucer, Spenser, Shakespeare, Milton, and Donne. Prerequisites: Sophomore standing, completion of one ENG Area II course, or permission of instructor. III B or IV; V

ENG 2484 Survey of British Literature II

A survey of important British literature from the mid-seventeenth century to the present that examines ways in which literary artists both adapted to and reproduced the cultural changes associated with modernity, while dealing with modernity's evolving social and political circumstances. The course will explore a complex cultural tradition in its social context and will include such writers as Addison, Wollstonecraft, Wordsworth, Dickens, Hardy, Woolf, and Hughes. May be used to satisfy a distribution requirement in Western tradition. Prerequisites: Sophomore standing, completion of one English Area II course, or permission of instructor. III B or IV; V

ENG 2504 Studies in Film

Study of an auteur or group of auteurs, or of film genres, stylistic, or historical questions not treated fully in Introduction to Film. Topics change from term to term and are announced in advance. May be repeated for credit if genre is different. IV; V

ENG 2514 Genre Film

Addresses the complex question of genre in cinema, investigating the ways in which narrative forms are infused with and transmit culturally specific mythic and ideological meanings. It will examine what constitutes cinematic genre in general, and then consider the developing histories of such genres as the Western, the gangster film, horror, science fiction, etc., as reflected by particular texts. IV

ENG 2534 Detective Fiction

A study of the generic dimensions and directions of detective fiction from Poe to the present. It will investigate the hold detective fiction has had on the popular imagination and the genre's reinforcement or subversion of ideological assumptions. Writers and filmmakers may include Doyle, Sayers, Hammett, Chandler, Paretsky, Hillerman, Himes, Dmytryk, Huston, Polanski, and others. IV; V

ENG 2614 American Short Story

A study of the genre of the short story as conceived and crafted by American writers. The course will consider the nature and history of the short story, its development in America, its early American practitioners and theorists, and how American short fiction reflects and comments on American life and culture. May include the work of Poe, Hawthorne, Wharton, Fitzgerald, Hemingway, Baldwin, O'Connor, Paley, Oates, Lahiri, and others. IV

ENG 2624 American Gothic

A study of the genre of American Gothic fiction and how it evolved from the late 18th century through the early 21st century. The course will examine the origins of American Gothic fiction and the genre's development at various periods and in different regions. It will explore the sometimes painful birth of American literature and consider the continued fascination with what Herman Melville called the "power of blackness." IV

ENG 2654 Fictions of Identity in American Literature

A study of American literature in relation to the phenomenon of "passing," exploring the complex connections among race, gender, class, and power. The primary readings will be supported by an examination of legal essays, ethnographic studies, and films that develop a context for understanding how Americans culturally and legally defined as "black" took on "white" identity and how "passing" now extends to class, ethnic, and sexual identities. Writers may include James Weldon Johnson, Nella Larsen, William Faulkner, Americo Paredes, and Danzy Senna. IV

ENG 2714 Jane Austen and Film

Examines what Jane Austen's novels and their film adaptations reveal about both Regency England and the contemporary world. The course explores the novels in their original cultural contexts and asks how these novels speak to the interests, desires, and problems of today's culture. Students will read in detail four of Austen's novels and discuss the efforts of twentieth-century filmmakers to capture, edit, and update Austen's humor and wit for today's audiences. Also listed as WS 2714. IV

ENG 2904 Literary Interpretation

Designed to ready students for upper-level work in literary study, this course will develop students' understanding of the goals and methods of literary interpretation. Building on the training in formal analysis provided by introductory courses, it will guide students in considering literary texts in a variety of contexts. The course will also develop students' skill in writing interpretive essays based on sound analysis. Required of English majors at the end of the sophomore year. Prerequisites: ENG 1074, 1134 or 1144 and sophomore standing in the English major. IV

ENG 3014 Special Topics in Literature

Advanced study of an author, period, or topic not fully treated in other English courses. Topics change from term to term and are announced in advance. May be repeated for credit. Prerequisite: ENG 2904 or permission of instructor. IV

ENG 3024 Chaucer

A close reading of Chaucer's *Canterbury Tales* and selected shorter works within the cultural context of fourteenth-century England. The seminar will examine literary, political, social, religious, and philosophical issues central to an understanding of Chaucer as both a reflection and a critique of his times and as someone who anticipates contemporary issues. Read in Middle English. IV; V

ENG 3174 Nineteenth-Century American Literature

A study of major writers focusing on the emergence of an American consciousness. Emphasis on Thoreau, Hawthorne, Melville, Twain, Crane, Dickinson, Whitman, and James. Prerequisite: ENG 2904 or permission of instructor. IV; V

ENG 3204 The Romantic Lyric

A study of the lyric as it was transformed by British Romantics into a vehicle for sustained introspection and psychological analysis. The course explores the ethical and political dimensions of these aesthetic developments and situates them within a history of revolutions, British, American, and French. Authors may include William Wordsworth, Coleridge, Blake, the Shelleys, Keats, and others. Prerequisite: ENG 2904 or permission of instructor. IV; V

ENG 3224 Romanticism and Liberty

A study of major British writers from the Romantic period, with some attention to Continental developments of the late eighteenth and early nineteenth centuries. Authors may include Blake, Burns, Wordsworth, Coleridge, the Shelleys, Byron, Keats, and others. Prerequisite: ENG 2904 or permission of instructor. IV; V

ENG 3234 Victorian Literature

A study of British literature from 1832 to the end of the century dealing with poetry and prose of such writers as Tennyson, Browning, Arnold, Dickens, Eliot, Ruskin, Hardy, and others. Prerequisite: ENG 2904 or permission of instructor. IV; V

ENG 3304 Seventeenth-Century British Literature

A study of major writers of the seventeenth century: Donne, Herbert, Marvell, Jonson, Milton, Bacon, Burton, Browne, Webster, Tourneur, Middleton, etc. Emphasizes intellectual and literary currents in the period as seen in selected prose and examines trends in drama and lyric poetry after Shakespeare. Generic focus may vary from year to year. Prerequisite: ENG 2904 or permission of instructor. IV; V

ENG 3314 Renaissance Literature

A study of major writers of the Continental and English Renaissance: Erasmus, More, Castiglione, Sidney, Spenser, Marlowe, and other sixteenth-century poets and playwrights. Emphasis on intellectual and cultural backgrounds to the literature. Prerequisite: ENG 2904 or permission of instructor. IV; V

ENG 3324 Shakespeare I

An intensive study of 8-10 plays drawn from the first half of Shakespeare's career, dealing with selected histories, comedies, and tragedies up to about 1600. Prerequisite: ENG 2904 or permission of instructor. Also listed as THEA 3324. IV; V

ENG 3334 Shakespeare II

An intensive study of at least 10 plays from the second half of Shakespeare's career, dealing with the problem comedies, mature tragedies, and tragicomedies. Prerequisite: ENG 2904 or permission of instructor. Also listed as THEA 3334. IV; V

ENG 3404 Early Twentieth-Century British Literature

A study of British literature from the turn of the century to World War II. Most of the course will be devoted to the development of Modernism, but predecessors and successors will also be considered. Writers such as Hardy, Shaw, Yeats, Joyce, Eliot, Lawrence, Rhys, and Woolf will be included. Prerequisite: ENG 2904 or permission of instructor. IV; V

ENG 3414 Twentieth-Century British Literature, Post-1945

A study of British literature written after World War II. The designation "British" will include not only authors born in England, but also authors from the former British colonies writing in English. Will explore the intersection of Modernism and Postmodernism, as well as the place of the written word in a world increasingly dominated by mass communication: radio, television, and the advertising image. Authors may include Greene, Lessing, Pinter, Barker, Murdoch, Stoppard, and Rushdie. Prerequisite: ENG 2904 or permission of instructor. IV; V

ENG 3504 The Eighteenth-Century British Novel

A study of the novel's beginnings and rapid development in Britain, with special attention to such topics as the rise of literacy, the respectability of writing fiction, and special forms of the novel. Authors may include Defoe, Sterne, Fielding, Richardson, and Austen. Prerequisite: ENG 2904 or permission of instructor. IV; V

ENG 3514 The Nineteenth-Century British Novel

A study of the major novelists of the nineteenth century. Though individual works may vary between offerings of the course, authors will include such writers as Scott, E. Bronte, Thackeray, Dickens, Eliot, and Hardy. Prerequisite: ENG 2904 or permission of instructor. IV; V

ENG 3564 Milton

An intensive study of the most important poetry and selected prose of the major seventeenth-century British writer, focusing on *Paradise Lost*. Prerequisite: ENG 2904 or permission of instructor. IV; V

ENG 3664 Early Twentieth-Century American Literature

A study of North American literature from the turn of the century to World War II. Includes an examination of the Modernist movement and the Harlem Renaissance as well as the work of other influential authors. Reading may include works by Sherwood Anderson, Willa Cather, Kate Chopin, ee cummings, John Dos Passos, William Faulkner, F. Scott Fitzgerald, Langston Hughes, Zora Neale Hurston, Charlotte Perkins-

Gilman, Ezra Pound, Gertrude Stein, Wallace Stevens, and Richard Wright. Prerequisite: ENG 2904 or permission of instructor. IV; V

ENG 3674 Twentieth-Century American Literature, Post-1945

A study of North American literature from 1945 to the present, with special emphasis on the exploration of cultural issues in traditional, multicultural, and feminist literatures. Reading may include the works of Margaret Atwood, James Baldwin, Raymond Carver, Don DeLillo, Joan Didion, E. L. Doctorow, Ralph Ellison, Louise Erdrich, Maxine Hong Kingston, Toni Morrison, Flannery O'Connor, Thomas Pynchon, J. D. Salinger, Sam Shepard, Tennessee Williams, and George Wolfe. Prerequisite: ENG 2904 or permission of instructor. IV; V

ENG 3714 Advanced Creative Writing Workshop

Focuses on developing and refining writing skills within a specific genre: fiction, poetry, non-fiction, and playwriting. Students will produce a significant body of work, generally 20-30 pages of polished writing, such as a short collection of poetry, two complete short stories, two complete non-fiction essays, or a one-act play. Prerequisite: ENG 1514 and 2000-level creative writing workshop. IV

ENG 4014 Independent Study

Readings on an approved topic, followed by the preparation of a critical paper. Repeatable once by special permission. Prerequisite: ENG 2904 or permission of instructor and grade point average of at least 3.0.

ENG 4144, 4154 Senior Creative Writing Project

Full-year independent study project in creative writing. Emphasis may be on poetry, fiction, or drama and will vary with student interest and availability of instructor. Student is expected to research the craft and produce an organized book-length manuscript. (1 or 2 course units.) Prerequisites: Senior standing, at least one term of WRC/ENG 2074 or WRC/ENG 2084, or permission of instructor. ENG 4144 is a prerequisite to 4154.

ENG 4204, 4208 Internship in English

The practical application of English skills in journalism, communications, advertising, and other areas. Students choose an appropriate organization in consultation with faculty sponsor. (1 or 2 course units.) CR/NC grading. Prerequisites: Junior standing in the major and permission of instructor. A total of 2 course units may be counted toward the major.

ENG 4504 Capstone Seminar

Designed to encourage students to engage more deeply with questions that arise from the study of literature, as well as provide occasion for students to reflect on work done throughout the major. It will, in addition, require that students complete an extended critical essay. Focal literary works will be drawn from a specific historical period and will change from term to term, depending upon the instructor. Required of all English majors in the winter of their senior year. Prerequisites: Completion of ENG 2904, three other period-requirement courses, and senior standing in the major. IV

Environmental Studies

ENVS 1024 Environmental Science

A broad overview of the structure and function of environmental systems and the impact of human cultures on these systems. The complexity and multidisciplinary nature of environmental issues involving, for example, population growth, air and water pollution, biogeochemical cycles, and energy demands and alternatives are considered, but emphasis will be placed on our scientific knowledge of these issues. Lecture and laboratory. II Natural Science

ENVS 3072/3074 Environmental Studies Research

For students who wish to devise a research project that crosses disciplines to explore issues of environmental significance. Students need to arrange for guidance from more than one faculty member. (½ or 1 course unit). Students may register for up to two half-credit projects. Prerequisites: Junior standing, ENVS 1024, and completion of at least two other courses toward the Environmental Studies minor, or permission of instructor.

ENVS 3204 Environmental Studies Internship

For students engaging in an internship that requires work that cannot be classified as contributing to a single disciplinary major. Prerequisites: Junior standing, completion of at least two courses for the Environmental Studies minor, or permission of instructor.

ENVS 4004 Environmental Studies Senior Project

Offered to students who plan to enter graduate programs or careers in environmental fields, this course involves independent study of environmental issues under the guidance of professors from various disciplines. It requires students to draw on more than one discipline while analyzing case studies, developing critical bibliographies, writing a substantial research essay, and making a public presentation. Application needs to be made to the Environmental Studies Committee chair in the term prior to anticipated enrollment. Prerequisites: senior standing, completion of coursework for the environmental studies minor, and permission of Environmental Studies Minor Committee.

Exercise Science (see Physical Education)**Fine Arts****FA 1004 Introduction to the Fine Arts**

A survey of basic ideas, guiding principles, and historical and contemporary practices in art, drama, and music. Emphasis will be placed on understanding the creative process, analyzing various works of art, developing critical tools for appreciation, perceiving the relationships among the three art forms, and comprehending fundamental issues in the representation of reality through art. Travel to artistic events will occur as part of the course when available. II Fine Arts

FA 1051 Beginning Ballet

Designed for students who have little or no formal training in classical ballet. The course covers ballet fundamentals, including exercises on the barre and in the center, class etiquette, terminology, and musicality. There is an additional fee for this course. (¼ course unit.) May be repeated for credit. CR/NC grading.

FA 1061 Modern Dance

A modern jazz-based technique class with emphasis on the elements of dance (space, time, and force). Students will explore different rhythms and movement qualities while strengthening the body through center floor exercises. Stretching, alignment work, and improvisation will be incorporated to provide an artistic and fun way to keep the body and spirit healthy. There are no prerequisites for the class. Taught at a beginning/intermediate level, the class will offer new material and opportunities for growth for students of all levels. There is an additional fee for this course. (¼ course unit.) May be repeated for credit. CR/NC grading.

FA 2051 Intermediate Ballet

Designed for students with some classical ballet training who are interested in continuing their ballet education. The course will emphasize technique and ballet terminology. Instructor approval is required for registration. There is an additional fee for this course. (¼ course unit.) May be repeated for credit. CR/NC grading.

FA 3051 Advanced Ballet

Designed for students who have had significant classical ballet training. The course will fine-tune existing technique, adding speed, complexity, and variations. Instructor approval is required for registration. There is an additional fee for this course. (¼ course unit.) May be repeated for credit. CR/NC grading.

First Engagements**FEN 1014 First Engagements**

This is the gateway to academic expectations in a liberal arts college and will model liberal education in a reflective, seminar setting. The emphases will include cultivating a spirit of inquiry, developing critical reading and discussion skills, engaging in collaborative learning, and making critical connections. Each

year a variety of texts, including the summer common reading, will focus on a particular theme. Additional subthemes may emerge from discussions and from interests of each instructor. This course will be a first-year requirement. CR/NC grading.

FEN 2001 First Engagements Tutorial

A tutorial in which the August term scholar works closely with a faculty member in planning and preparing a seminar section of First Engagements. This will include reading and selection of texts for the course, discussion of course objectives and teaching strategies, and preparation of the seminar's syllabus. (¼ course unit) Cannot be repeated for credit. CR/NC grading.

FEN 2002 First Engagements Practicum

August term scholars will work closely with a faculty member in teaching the First Engagements seminar. The scholar will help lead discussion, discuss teaching strategies with the faculty member, and facilitate student learning in and outside the classroom. The August term scholar will assist the academic advisor/s throughout the fall term as a peer mentor for the first-year students. (½ course unit) Cannot be repeated for credit. CR/NC grading.

First-Year Seminar Program

This program introduces students to basic questions that have engaged writers in Western civilization. Simultaneously—through graduated writing assignments, tutorial assistance, and group discussions—it seeks to develop students' abilities to read closely, think clearly, and express themselves precisely.

FYS 1002 First-Year Seminar: Expository Writing

Provides intensive instruction in expository writing with assignments emphasizing skills in developing ideas, constructing cohesive paragraphs, organizing material, and creating thesis statements. Assignments may provide practice in paraphrase, summary, description, definition, comparison and contrast, and argumentation. The course includes discussion of and instruction in grammar, syntax, and usage.

FYS 1004 First-Year Seminar

Designed to help introduce students to the rigorous intellectual work necessary at the college level. Courses are interdisciplinary or multidisciplinary in nature and draw from the instructor's areas of interest and expertise. Includes a broad range of shorter readings and a longer, book-length text of the instructor's choosing. The course stresses the skills of close and careful reading, critical thinking, thoughtful and respectful discussion, and effective academic writing. Prerequisite: Score of 22 or higher on the English section of the ACT (or equivalent), FYS 1002, or permission of FYS program director and associate dean for first-year academic programs and advising.

FYS 1104 First-Year Research Seminar

Designed to continue the development of college-level critical reading, thinking, writing, and discussion skills. The courses are topical in nature based on the instructor's areas of interest and expertise, and offer a focused and in-depth investigation of a topic of importance. The Second-Term Research Seminar includes extensive instruction in research methods appropriate at the college level and culminates in the writing of a lengthy, research-based argumentative essay. Prerequisite: FYS 1004.

Foreign Languages

Note: Students who have completed equivalent of two or three years of high school foreign language can take the 1014 level of that language only for CR/NC grading at Transylvania. Students with four or more years may take 1014 and 1024 only for CR/NC grading.

Chinese

CHI 1014 Chinese I

An introduction to Chinese through exploration of the student's immediate world, developing proficiency in speaking, listening, reading, and writing. Students also will begin building an understanding of cultural aspects of Chinese society as it applies to their language learning. Laboratory required.

CHI 1024 Chinese II

An extension of Chinese I that moves beyond the exploration of the student's immediate world, further developing proficiency in speaking, listening, reading, and writing. Students will continue building an understanding of cultural aspects of Chinese society as it applies to their language learning. Prerequisite: CHI 1014 or equivalent proficiency. Laboratory required

CHI 1034 Chinese III

An extension of Chinese II that moves beyond language basics and further develops proficiency in speaking, listening, reading, and writing. Students will continue building an understanding of cultural aspects of Chinese society as it applies to their language learning. Prerequisite: CHI 1024 or equivalent proficiency. Laboratory required.

CHI 2024 Chinese/English Translation

Trains students to perform written translation and oral interpretation tasks between Chinese and English language. A variety of texts will be used for translation practice with a focus on semantic analysis, contrastive examinations of differences and similarities between Chinese and English, and the use of translation skills and techniques handling texts of different types. The course guides students to develop intellectual perspectives on the activity of translation and expand topic-based vocabulary. **Prerequisite: CHI 1034. IV**

CHI 2044 Chinese Cinema

An introduction to the cinema of mainland China, Hong Kong, and Taiwan, focusing on how social, political, and cultural changes in contemporary China find their expressions in film. Students will learn basic skills for interpreting cinematic language, gain an overall view of the development of film in China, and develop a critical understanding of Chinese society and culture through film. Taught in English. No prerequisites. III A or IV

CHI 2054 Introduction to Modern Chinese Literature

In this introductory survey of the literature of 20th-century China, students will read English translations of representative works by major writers from primary literary genres, while selected documentaries and feature films will enrich students' reading experience. This course offers literary and historical background in the periods from the 1910s, the May Fourth Movement, the Anti-Japanese War, the socialist construction, and the Cultural Revolution, to the liberalization of the post-Mao era. The approach will sensitize students to radical changes in Chinese society and help them appreciate the artistry and diversity of modern literary works. III A or IV

CHI 2294 Special Topics in Chinese

Study of an area involving the language, literature, or culture not fully treated in other Chinese courses. Topics change and will be announced in advance. May be repeated if the topic is different. IV

French**FREN 1014 French I: The Personal World**

An introduction to French through exploration of the student's immediate world, developing student proficiency in speaking, listening, reading, and writing. By the end of the course students will be able to ask for and give information; express their wants, needs, abilities, and obligations; describe people, places, and things in their surroundings; write a basic letter in the language; and give in some detail a report of their typical activities. Laboratory required.

FREN 1024 French II: The French-Speaking World

An extension of French I that moves beyond the student's personal experiences toward an increased linguistic and social awareness of French-speaking cultures. By the end of the course students will be able to narrate past events, demonstrate an understanding of various aspects of the French-speaking world, and formulate briefly a position on an issue treated in the course. Prerequisite: FREN 1014 or equivalent proficiency. Laboratory required.

FREN 1034 French III: Topical Issues

An extension of French II that offers a more in-depth look at current issues in French-speaking cultures. Religions, ethnic groups, and demographic patterns will be explored, as will other concerns such as the environment and the economy. Material will include literary texts, films, and productions in the fine arts. Students will give oral and written reports, refute and support positions taken on specific issues, and suggest and negotiate compromises. Prerequisite: FREN 1024 or equivalent proficiency. Laboratory required.

FREN 2001, 2002, 2003, 2004 Practicum in French

The practical application of French language and/or research skills in education, law, business, art, medicine, or other areas. Students devise projects under the direction of the instructor to integrate practical applications to their particular area of interest. Examples are creative writing projects, practice of foreign language teaching methodologies, or an internship in a local organization where French language and/or translation skills are required. CR/NC grading. Prerequisite: Permission of instructor. (¼, ½, ¾, or 1 course unit.)

FREN 2014 Advanced French Grammar and Composition

A gateway course for students continuing in advanced-level French courses. Designed for students to become more proficient in five key areas of language acquisition (speaking, reading, writing, listening, and culture), the course provides a thorough review that consists of grammar-based activities in a variety of contexts and language functions. Special attention will also be paid to writing in French: understanding different modes of expression (exposition, narration, description, argumentation) and writing effectively (coherent discourse, lexical flexibility, rhetoric, and style). Prerequisite: FREN 1034. IV

FREN 2024 Conversations on French and Francophone Culture

Develops students' proficiency in French by focusing on oral communication skills. The course will be structured around topics of everyday interest in French and Francophone cultures. The course is designed to allow for student-led discussions and small group work with clearly defined communicative goals. To this end, students will work on exercises in conversational French that include the use of idiomatic expressions, phonetics, and grammar. Prerequisite: FREN 1034. IV

FREN 2034 French Society and Culture

Examines the cultural, social, and political transformations of French society and culture over the centuries by exploring developments from a number of vantage points (family, religion, values, leisure, social classes, etc.). Topics include political regimens (Empire, Monarchy, Republic), historical figures (Jeanne D'Arc, Louis XIV, Napoléon, De Gaulle), history of ideas (humanism, enlightenment, socialism, fascism, existentialism), and artistic movements (baroque, classicism, realism, symbolism, post-modernism). Prerequisite: FREN 1034. III B or IV

FREN 2054 Introduction to French Literature

Introduces students to the history of French literature from the Middle Ages to the twentieth century. Emphasis will be placed on reading major works in French within their historical and cultural context. In addition, students will acquire a critical vocabulary for analyzing literary texts. Special attention will be paid to close readings of texts (poetry, theater, and the novel) and different approaches such as résumé de texte, explication de texte, commentaire composé, and dissertation explicative. Prerequisite: FREN 1034. IV; V

FREN 2074 French Literature in Translation

Material is chosen according to period, genre, or topic, and varies from year to year. Course subtitle reflects the particular material chosen and is announced in advance. May be repeated if course subtitle is different. Does not count toward the major or minor pattern. No prerequisites. Taught in English. II Humanities or IV

FREN 2294 Special Topics

Study of an area involving the language, literature, or culture not fully treated in other French courses. Topics change and will be announced in advance. May be repeated for credit if the topic is different. Prerequisite: FREN 1034 or equivalent proficiencies unless specific description states otherwise. IV

FREN 3014 Independent Study and Research

May be repeated once for credit. Prerequisite: Permission of instructor.

FREN 3094 French Business Culture

An introduction to the French-speaking business world and to its very specific language, this course provides mastery of the fundamental vocabulary, expressions, and cultural practices required to communicate in a variety of business situations. Topics include banking, commerce, finance, the economy, business correspondence, and job interviewing skills. The course does not presume prior knowledge of business principles. Prerequisite: FREN 2014. IV; V

FREN 3144 Medieval and Renaissance French Literature: Fin' amor and Humanism

A study of French literature in its historical context, from its origins to the reign of Henri IV. The course encompasses the courtly love tradition, sacred and profane theater, courtly and bourgeois realism, and humanist thought. Works and authors studied may include the chanson de geste, the troubadours, Chrétien de Troyes, Christine de Pizan, Villon, Rabelais, Marguerite de Navarre, the poets of the Pléiade, and Montaigne. Prerequisites: FREN 2014 and 2054. IV; V

FREN 3204 French Literature of the Seventeenth and Eighteenth Centuries: Order, Reason, and Revolution

An exploration of the century of Louis XIV and of the Age of Enlightenment. Using literary texts, film, music, and visual arts, this course will view baroque art and literature, classicism and Versailles, the esprit critique of moralist and philosophical writers, and libertine thought. Authors may include Corneille, Racine, Molière, Madame de La Fayette, Descartes, Pascal, Diderot, Voltaire, Rousseau, and Laclos. Prerequisite: FREN 2014 or 2054. IV; V

FREN 3304 Studies in Genre

A study of the formal elements that constitute genre, its textual components, and its historical and literary manifestations. Each time the course is offered, a particular genre is analyzed exclusively, alternately French poetry, theater, and novel. In French poetry, the course will focus on poetic forms and versification through the Troubadours, Villon, the Pléiade, romantics, symbolists, and modern free verse. In French theater, the course will emphasize analysis through performance as it traces theater's origins in medieval liturgical drama and follows with Molière, Racine, Corneille, Beaumarchais, and the Theatre of the Absurd. In the French novel, the course will trace the evolution from early forms of novelistic writing such as the epistolary novel through the great literary movements of the nineteenth century (realism, romanticism, naturalism) up to the modern novel. Prerequisite: FREN 2014. IV; V

FREN 3324 French Literature of the Nineteenth and Twentieth Centuries: Experiment and Unrest

This course will address the individual's relation to society and the arts in the nineteenth and twentieth centuries as it is revealed through representative works of literature, music, and film. The literature of the time reflects French history in its fragmentation and upheaval, but attempts to impose order through the redefinition of traditional literary genres. A study of the Romantic poets, the Naturalist writers, Surrealist theater, Existentialist essays, and the Nouveau Roman will highlight the more successful forms of artistic experimentation. Prerequisite: FREN 2014 or 2054. IV; V

FREN 3344 French Cinema Culture

Through a study of French films from the 1890s to the present, this course examines the role of cinema in a social-historical context and provides an in-depth analysis of cinematic "language." Since French cinema evolved as both an art and an industry, particular attention will be paid to questions of narrative, representation, production practices, and reception. Topics include the birth of cinema, the silent era, the avant-garde, poetic realism, cinema of the occupation, the New Wave, contemporary trends, and Francophone world cinemas. Prerequisite: FREN 2014. IV; V

FREN 3404 The Francophone World and its Literature

Reading and analysis of literary genres through the centuries in the various Francophone countries with an emphasis on twentieth-century literature. Historical background of each country will provide a context for the readings. Prerequisite: FREN 2014 or 2054. III A or IV; V

FREN 3504 Advanced Special Topics

In-depth study of language, literature, or culture not fully treated in other 3000-level courses. Topics change and will be announced in advance; course may focus on a genre, an issue, an author, or a movement. May be repeated once for credit if the topic is different. Prerequisite: FREN 2014 or 2054. IV

FREN 4444 Senior Seminar

Designed as the capstone experience for French majors. While focusing on a particular problem, genre, author, or time period, the selection of cultural texts is geared to refine students' analytical, interpretive, and expressive skills in French. In addition to oral presentation, research, and writing within the sphere of the course topic, students undertake individual projects in their own particular domain of interest in order to integrate their knowledge and experience of French with their future life and career plans. Prerequisite: Permission of instructor. IV

German**GER 1014 German I: The Personal World**

An introduction to German through exploration of the student's immediate world, developing student proficiency in speaking, listening, reading, and writing. By the end of the course students will be able to ask for and give information; express their wants, needs, abilities, and obligations; describe people, places, and things in their surroundings; write a basic letter in the language; and give in some detail a report of their typical activities. Laboratory required.

GER 1024 German II: The German-Speaking World

An extension of German I that moves beyond the student's personal experiences toward an increased linguistic and social awareness of German-speaking cultures. By the end of the course students will be able to narrate past events, demonstrate an understanding of various aspects of the German-speaking world, and formulate briefly a position on an issue treated in the course. Prerequisite: GER 1014 or equivalent proficiency. Laboratory required.

GER 1034 German III: Topical Issues

An extension of German II that offers a more in-depth look at current issues in German-speaking cultures. Religions, ethnic groups, and demographic patterns will be explored, as will other concerns such as the environment and the economy. Material will include literary texts, films, and productions in the fine arts. Students will give oral and written reports, refute and support positions taken on specific issues, and suggest and negotiate compromises. Prerequisite: GER 1024 or equivalent proficiency. Laboratory required.

GER 2044 Contemporary German Cinema

A study of German-language cinema and notable filmmakers since 1990. Film selection will highlight particular cultural topics such as unification or social integration, as well as individual directors or genres. Taught in English with all films subtitled in English. This course does not count toward the major or minor. No prerequisites. IV

GER 2054 Contemporary German Cinema for Major/Minor

A study of German-language cinema and notable filmmakers since 1990. Film selection will highlight particular cultural topics such as unification or social integration, as well as individual directors or genres. Taught in English with all films subtitled in English. Students will complete individual course assignments in German and language-related work the instructor assigns. Prerequisite: GER 1034. IV

GER 2074 German Literature in Translation

Study of highlights of German literature or of a period, topic, genre, or author. Course subtitle reflects the material chosen and is announced in advance. May be repeated for credit if course subtitle is different. Does not count toward the minor pattern. No prerequisites. Taught in English. II Humanities or IV

GER 2104 Contemporary Germany

A survey of the present-day culture of Germany including the examination of such issues as the role of the family, education, religion and festivals, entertainment and leisure-time activities, developments in the standard language, and dialects. Prerequisite: GER 1034. IV; V

GER 2144 Weimar and New German Cinema

A retrospective on German contributions to the history of film, focusing on the accomplishments surrounding what has become known as Weimar Cinema and the more recent “auteur” films of Fassbinder, Herzog, von Trotta, et al., collected together under the rubric of New German Cinema. Taught in English with all films subtitled in English. Does not count toward the German major or minor. No prerequisites. IV

GER 2154 Weimar and New German Cinema for Major/Minor

A retrospective on German contributions to the history of film, focusing on the accomplishments surrounding what has become known as Weimar Cinema and the more recent “auteur” films of Fassbinder, Herzog, von Trotta, et al., collected together under the rubric of New German Cinema. Taught in English with all films subtitled in English. Students will complete individual course assignments in German and language-related work the instructor assigns. Prerequisite: GER 1034. IV

GER 2224 German Geography, Political Institutions, and Social Structures

An examination of the demographic, political, and social implications of German geography. Beginning with a thorough examination of the political map of Germany, this course addresses the structure of the German parliament, the network of federal social institutions, the role of government in German society, and Germany’s relationship to the European Union. Prerequisite: GER 1034. IV

GER 2294 Special Topics

Study of an area involving the language, literature, or culture not fully treated in other German courses. Topics change and will be announced in advance. May be repeated for credit if the topic is different. Prerequisite: GER 1034 unless specific description states otherwise. IV

GER 2304 Still Draussen vor der Tur: Other Voices in German

Study of groups that have been excluded from or marginalized in concepts of a German identity: foreign workers and their families, black Germans, Sinti and Roma populations, Austrians, and the Swiss. Prerequisite: GER 1034. IV; V

GER 3014 Independent Study and Research

May be repeated once for credit. Prerequisite: Permission of instructor.

GER 3104 Berlin, Bonn, East-Berlin: The Third Reich, The Stunde Null

An examination of cultural developments during the Hitler years, including issues of exile and inner emigration, as well as problems faced following the defeat of Germany in 1945 and its complete political, social, and moral collapse. Prerequisite: One 2000-level GER course or permission of instructor. IV; V

GER 3204 Berlin and Weimar: Birth and Rebirth of a Nation, 1871-1933

A study of the cultural implications and effects of both unification under the German Reich and the brief experiment with republican government known as the Weimar Republic. Prerequisite: One 2000-level GER course or permission of instructor. IV; V

GER 3304 Vienna and Munich: Aesthetes, Decadents, and the fin-de-siècle

Readings across drama, literature, the arts, philosophy, and psychology to elaborate the aesthetic rebellion and redirection that characterized the end of the nineteenth century. Prerequisite: One 2000-level GER course or permission of instructor. IV; V

GER 3344 The Wall Falls: Putting Germany Together Again

A close study of various aspects of the unification process since 1989. Topics will include reprivatization and reclamation of property, repatriation of Germans living in other former East-Bloc countries, and adjustments involved in moving from a communist to a capitalist society. Prerequisite: GER 1034. IV

GER 3394 Special Topics in German

Study of an area involving the language, literature, or culture not fully treated in other German courses. Topics change and will be announced in advance. May be repeated for credit if the topic is different. Prerequisite: One 2000-level GER course, excluding GER 2044 and 2074. IV

GER 4204, 4208 Immersion Experience Abroad: Germany

A program providing the student an opportunity to apply and improve German language skills as well as gain experience in the field of foreign language instruction. The student will live with a family in Germany

and take part in English and German classes at a gymnasium. The student will keep a German journal while there, which will be submitted upon return, along with a paper in German evaluating the experience. There will also be an oral examination to demonstrate the student's improved speaking skills. CR/NC grading. Prerequisites: One 2000-level GER course and permission of instructor.

GER 4444 Senior Seminar in German

Designed as the capstone experience for German studies majors, the course focuses on literary works chosen from a program reading list of plays, novellas, and novels from Goethe to the present. Through weekly seminar discussions of and concluding interpretative papers on those works, students will refine their analytical and communication skills in German. Depending on the student's competence in the language, coursework may also include a final review of more advanced grammatical aspects of German. Prerequisite: 8 major courses above GER 1034. IV

Greek

GRK 1014 Greek I

An introduction to the grammar, morphology, and syntax of classical Greek.

GRK 1024 Greek II

A continuation of GRK 1014 with attention to Greek literature and culture. Prerequisite: GRK 1014.

GRK 1034 Greek III

A continuation of GRK 1024, with emphasis shifting from grammatical forms to a critical and careful reading of a Greek prose text, such as Plato's Apology, Xenophon's Anabasis, or the New Testament. Prerequisite: GRK 1024.

Latin

LAT 1014 Latin I

An introduction to the grammar, morphology, and syntax of classical Latin. Laboratory required.

LAT 1024 Latin II

A continuation of LAT 1014 with attention to Latin literature and culture. Prerequisite: LAT 1014. Laboratory required.

LAT 1034 Latin III

A continuation of LAT 1024. Attention will be given to new aspects of Latin grammar, syntax, and style. We will examine selections from Latin poetry and prose in order to develop further reading skills and a critical appreciation of Latin literature. Authors read will change from term to term. Prerequisite: LAT 1024 or permission of instructor. Laboratory required.

LAT 2014 Readings in Latin Literature

A continuation of LAT 1034. A study of the Latin language and literature through close study of selected authors. Prerequisite: LAT 1034 or equivalent proficiency. IV

LAT 3014 Independent Study and Research

May be repeated once for credit. Prerequisite: Permission of instructor.

LAT 3024 Advanced Readings in Latin Literature

Reading and critical analysis of the work of a major Roman author and discussion of the author's contributions to the literary tradition. Authors will vary and the course may be repeated with a different author. Prerequisite: LAT 2014.

Spanish

SPAN 1014 Spanish I: The Personal World

An introduction to Spanish through exploration of the student's immediate world, developing student proficiency in speaking, listening, reading, and writing. By the end of the course students will be able to ask for and give information; express their wants, needs, abilities, and obligations; describe people, places,

and things in their surroundings; write a basic letter in the language; and give in some detail a report of their typical activities. Laboratory required.

SPAN 1024 Spanish II: The Spanish-Speaking World

An extension of Spanish I that moves beyond the student's personal experiences toward an increased linguistic and social awareness of Hispanic cultures. By the end of the course students will be able to narrate past events, demonstrate an understanding of various aspects of the Spanish-speaking world, and formulate briefly a position on an issue treated in the course. Prerequisite: SPAN 1014 or equivalent proficiency. Laboratory required.

SPAN 1034 Spanish III: Topical Issues

An extension of Spanish II that offers a more in-depth look at current issues in Hispanic cultures. Religions, ethnic groups, and demographic patterns will be explored, as will other concerns such as the environment and the economy. Material will include literary texts, films, and productions in the fine arts. Students will give oral and written reports, refute and support positions taken on specific issues, and suggest and negotiate compromises. Prerequisite: SPAN 1024 or equivalent proficiency. Laboratory required.

SPAN 2024 Spanish Conversation

Exercises in conversational Spanish and idiomatic expression. Texts on everyday subjects, discussions, and exposé prepared by the student. May be repeated once for credit but increases pattern requirement by 1 course unit. Prerequisite: SPAN 1034. IV

SPAN 2084 Spanish Composition and Grammar Review

A review of Spanish grammar and syntax. Free composition in Spanish based on texts chosen for style. Prerequisite: SPAN 1034. IV

SPAN 2094 Introduction to Hispanic Literature

A brief survey of Spanish and Spanish-American literature from its beginning to the present. Lectures and reading of representative texts. Prerequisite: SPAN 1034. IV; V

SPAN 2124 Chicano Literature and Culture

Students will read, discuss, and analyze representative texts of the Chicano literary tradition and reflect on cultural trends of the mid-20th and early 21st centuries. Emphasis will be on the Chicano civil rights movement and to issues of race, class, gender, and marginalization. Prerequisite: SPAN 1034. IV

SPAN 2214 Spanish for Business

Designed to provide intermediate Spanish students with a foundation in business vocabulary, basic business concepts, key cultural topics, and the situational practice necessary to be successful in today's Spanish-speaking business world. Taught in Spanish. Prerequisite: SPAN 1034. IV

SPAN 2294 Special Topics

Study of an area involving the language, literature, or culture not fully treated in other Spanish courses. Topics change and will be announced in advance. May be repeated for credit if the topic is different. Prerequisite: SPAN 1034 unless specific description states otherwise. IV

SPAN 3014 Independent Study and Research

Independent study in a specialized field in consultation with a supervising instructor. This course involves the preparation of a substantial research paper. May be repeated once for credit. Prerequisites: SPAN 2084, 2094, and permission of instructor.

SPAN 3024 Latin-American Literature

Selected readings exemplifying outstanding trends and works in Latin-American literature. Prerequisite: SPAN 2094. IV; V

SPAN 3044 Medieval and Golden Age Spanish Literature

Reading and analysis of representative texts from the Middle Ages through the Baroque. Will include selections of early verse and prose genres, such as the *Cantar de Mio Cid*, through the works of Golden Age masters, including Cervantes, Lope de Vega, and Calderon. Prerequisite: SPAN 2094. IV; V

SPAN 3054 Modern Spanish Literature

Lectures and discussion of Spanish literary trends from the eighteenth century through the present based on critical readings of representative works from the Enlightenment, Romanticism, the Generation of '98, the Generation of 1927, Post-Franquismo, and contemporary literature. Prerequisite: SPAN 2094. IV; V

SPAN 3074 Contemporary Latin-American Prose Fiction

Novels and short stories of selected authors in Latin America. Will include Asturias, Carpentier, Borges, and García Márquez. Prerequisite: SPAN 2094. IV; V

SPAN 3084 Afro-Hispanic Literature

An introduction to the most representative writers of the African Diaspora in Latin America within its socio-historical contexts focusing on different genres of the nineteenth and twentieth centuries. Students will explore themes of ethnicity, racism, and alienation, placed in the wider global context of socio-político-artistic movements such as Negritude and the Harlem Renaissance. Writers will include Manzano, Zapata Olivella, Guillén, Morejón, Duncan, Santa Cruz, and others. Prerequisite: SPAN 2094. III A or IV

SPAN 3134 Spanish Civilization

The geography, political history, and cultural development of Spain. Readings will be supplemented by films on Spanish history and culture. Prerequisite: SPAN 1034. III B or IV; V

SPAN 3234 Latin-American Civilization

Designed to expose students to the cultural and political development of Latin America from pre-colonial times to the present. It will focus on cultural themes such as diversity, religion, family, education, and gender issues as well as analyze some myths and representations of the "other." The course will examine cultural and ethnic diversity and their role in shaping Latin America. Readings will be supplemented by literary excerpts and historical films. Prerequisite: SPAN 1034. III A or IV; V

SPAN 3504 Advanced Special Topics

In-depth study of language, literature, or culture not fully treated in other 3000-level courses. Topics change and will be announced in advance; course may focus on a genre, an issue, an author, or a movement. May be repeated once for credit if the topic is different. Prerequisite: SPAN 2084 or 2094. IV

SPAN 4204 Internship in Spanish

Provides the student an opportunity to apply and improve Spanish language skills and cultural competence through supervised placement in organizations serving Lexington's Hispanic community. The student chooses an appropriate organization in consultation with the internship supervisor. Student will meet with professor to discuss assigned readings. CR/NC grading. Prerequisites: Junior or senior standing, Spanish major, demonstrated language competence, and consent of instructor. May be repeated once for credit; however, only 1 course unit may be counted toward the major.

SPAN 4444 Senior Seminar

Designed as the capstone experience for Spanish majors. While focusing on a particular genre, author, or time period, the selection of literary texts is geared to refining students' analytical, interpretive, and communicative skills in Spanish. The course will include oral presentations, research, and writing within the sphere of the course topic. Prerequisite: SPAN 1034. IV

German (see Foreign Languages)**Greek (see Foreign Languages)****History****HIST 1014 Western Civilization I: Western Civilization to the Seventeenth Century**

A study of the historical development of Western civilization to the seventeenth century, with special emphasis on Greece, Rome, the medieval age, and the Renaissance and Reformation movements. A chronological and political approach with appropriate attention to cultural achievements and economic characteristics of these periods. III B

HIST 1024 Western Civilization II: Western Civilization from the Seventeenth Century to the Present

A study of Western civilization from the Enlightenment to the present, with special emphasis on the Atlantic Revolutions, ideologies of the nineteenth century, industrialism, the impact of the West on other civilizations, world conflicts of the twentieth century, and problems of contemporary society. III B

HIST 1154 United States to 1865

A study and critical evaluation of the political, economic, and social forces that shaped the development of the American colonies and the United States from 1492 through the Civil War, noting the varying historical interpretations of those forces.

HIST 1164 United States from 1865

A study and critical evaluation of the fundamental forces contributing to the emergence of modern America from 1865.

HIST 2104 Medieval Europe

A study of a millennium of social experiments to mitigate, redirect, and rationalize the violent individualism of the Germanic peoples who swept into Europe after the Roman Empire crumbled. Prerequisite: HIST 1014. (Pre-Modern field) IV

HIST 2134 The Second World War: Topics and Issues

A study of World War II based on specific issues, geographies, or theoretical frameworks. Topics may include, but are not limited to, the war in Eastern Europe/USSR, the American home front, military campaigns, women and war, and intelligence strategies. IV

HIST 2144 Europe in the Nineteenth Century

A study of European history from the Congress of Vienna through the First World War, emphasizing the growth of nationalism, the effects of the Industrial Revolution, the development of socialist doctrines, and the rise of neoimperialism. (Modern European field) IV; V

HIST 2154 Europe in the Eighteenth Century

An examination of the major forces and events from the age of absolutism through the French Revolution. Areas of study include the political, social, and cultural effects of the Enlightenment, the development of the international European state system, Europe's relations with the non-European world, the rise of the middle classes, and the emergence of a consumer culture. (Modern European field) IV; V

HIST 2184 The Holocaust

An in-depth historical exploration of one of the most horrendous crimes in history, the murder of six million Jews and millions of others during the Second World War. Students will examine the development of anti-Semitic thought in Western culture, the means the Nazis used to undertake the "Final Solution," and Jewish experiences during the Holocaust. The course will conclude with the attempt to understand and make sense of the Holocaust in the post-Holocaust world. (Modern European field) IV

HIST 2204 Special Topics in History

The study of an era, a problem, or a commanding figure not fully treated in other courses. Topics change from term to term and are announced in advance. May be repeated for credit. CR/NC grading when used as a travel course. Prerequisite: History 1024 or permission of instructor. (Students may petition the program to allow Special Topics courses to fulfill history major field distribution requirements.) IV

HIST 2224 Archaic and Classical Greece

A survey of the political, social, and cultural history of ancient Greece, with emphasis on the era of the polis. (Pre-Modern field) IV

HIST 2244 The Roman Empire

A survey of Roman history from the beginnings of the principate through the late antique period (i.e., first-sixth centuries A.D.) with an emphasis on Roman political and social institutions, the definition of citizenship, and the problem of unity in a multicultural society. (Pre-Modern field) IV

HIST 2304 Pre-Modern China

An examination of Chinese history from the Shang Dynasty (c. 1500-1122 B.C.) through the Ming Dynasty (1368-1644). Special emphasis is placed on social and intellectual developments that influenced Chinese culture. (Pre-Modern field; Non-Western field) III A or IV

HIST 2374 History of Africa

A study of African history from pre-colonial times to the present. Areas of focus include Africa's indigenous cultural, social and political developments in the pre-colonial period and the changes brought by encounters with the outside world. The course stresses the importance of history to understanding the socio-political situation in contemporary Africa. (Non-Western field) III A or IV

HIST 2404 Latin American Civilization I

Surveys Latin American civilization from its pre-Columbian beginnings to the independence movements of the early nineteenth century. Focus will be placed on the encounters among European, African, and indigenous peoples that resulted in new and changing cultures. (Non-Western field) III A or IV; V

HIST 2414 Latin American Civilization II

Surveys Latin American civilization from the period of independence to the present. Though the focus is, from time to time, placed on a particular culture, country, or region, the stress will be on the themes and movements common to Latin America as a whole. Emphasis will be placed on those aspects of the Latin American past that helped to shape and explain its present. (Non-Western field) III A or IV; V

HIST 2444 Latin American Revolutions

Revolutionary upheaval characterized Latin America throughout the twentieth century. This course examines the causes of revolutions, the motivations of those who instigated rebellions, and the impact of revolutionary activity on all groups in society. It will focus on Mexico, Bolivia, Cuba, and Nicaragua—all countries that experienced major social upheaval—and examine cases of unsuccessful revolts in South and Central America. Students will draw out comparisons between revolutions that “succeeded” and those that “failed.” Prerequisite: HIST 1024, 1154, 1164, or permission of instructor. (Non-Western field) III A or IV

HIST 2744 Research Methods Seminar

An introduction to historical research methods, concentrating on the nature, use, evaluation, and analysis of primary sources. Students will examine a variety of primary sources, which may include memoirs, newspapers, archival documents, oral histories, and other materials. Students will also develop skills in placing sources in their proper historical context and in constructing historical arguments. Prerequisite: Any 1000-level history course. IV

HIST 3084 England Since 1660

Study of English history from the Restoration to the present. Considerable emphasis on class discussion of key topics or problems in English history (e.g., Revolution of 1688, George III, and the Irish problem) based on outside reading. Prerequisite: HIST 1024. (Modern European field) IV; V

HIST 3124 Women in American Life and Thought

An examination of the role of women in American life and thought involving an analysis of the changing roles of women from the colonial era to the present. Focus on the varieties of women's experiences at every level of social life, in the professions, and in the family, as well as women's struggle for suffrage and equal rights. Prerequisite: HIST 1154 or WS 1004. Also listed as WS 3124. (U.S. field) IV; V

HIST 3144 Gender in European History

Investigates how understandings of gender have affected European women and men from the Enlightenment to the contemporary era. Topics covered may include the relationship of gender to the revolution, industrialization, imperialism, totalitarianism, and total war, as well as the role of gender in everyday life. Prerequisite: HIST 1024, 2144, 2154, WS 1004, or permission of instructor. Also listed as WS 3144 (Modern European field) IV

HIST 3154 Recent American History

An examination of the major forces that have shaped contemporary America. Set against the backdrop of Cold War political culture, the course will focus on such topics as the Vietnam War, Watergate, civil rights movements, and identity politics. Prerequisite: HIST 1164. (U.S. field) IV; V

HIST 3204 Special Topics in History

The advanced study of an era, a problem, or a commanding figure not fully treated in other courses. Topics change from term to term and are announced in advance. May be repeated for credit. CR/NC grading when used as a travel course. Prerequisite: Established by the individual instructor each time the course is offered. (Students may petition the program to allow Special Topics courses to fulfill history major field distribution requirements.) IV

HIST 3224 Diplomacy and War in Antiquity

Aims to provide a richer understanding of how political differences were settled in antiquity, with a view to ascertaining which problems and solutions are relevant only to the context of their time, and which might be instructive to us in the present. Prerequisite: HIST 1014 or permission of instructor. (Pre-Modern field) IV

HIST 3244 Julius Caesar

Julius Caesar is a pivotal figure, particularly significant for Americans because he represents a realized alternative to a republican government, and a study of his rise to supreme authority is an object lesson in the destabilizing and perversion of a constitution. Even so, he was a truly dramatic figure, with his great virtue, his clemency, being his tragic flaw. This course will illuminate the context and method of Caesar's rise to power. Prerequisite: HIST 1014 or permission of instructor. (Pre-Modern field) IV

HIST 3304 Emergence of Modern America

An examination of the major intellectual, cultural, political, social, and economic forces that shaped modern America. Set against the backdrop of industrialism, urbanization, and western settlement, the course will focus on such topics as large-scale immigration, reform efforts, the fight for women's suffrage, the rise of professionalism, and the expanding role of the United States in foreign affairs. Prerequisite: HIST 1164 or permission of instructor. (U.S. field) IV; V

HIST 3324 Colonial America: 1565-1787

An examination and critical evaluation of the cultural, social, political, and economic forces that shaped the area which became the United States. Particular attention will be given to the relationships between Europeans, Africans, and Native Americans; the role of the wilderness and frontier in American culture; and the colonists' use of republican ideology. The course will also focus on a variety of historical interpretations/perspectives. Prerequisite: HIST 1154. (U.S. field) IV; V

HIST 3344 The New Nation: 1787-1861

A critical evaluation of the cultural, social, political, and economic forces that shaped the United States in its early years as a nation. Particular attention will be given to the development of a political party system, the rise of industrialism, the variety of settlement patterns by Americans, and the roles of race/class/gender relations in forming national identity. This course will also focus on diverse historical interpretations and perspectives. Prerequisite: HIST 1154 (U.S. field) IV; V

HIST 3404 Europe, 1914-1945

A study of Europe during and between the two world wars, focusing on political, social, military, and cultural issues. Special emphasis is placed on the concept of total war and its effect on political and social institutions. Other topics include the Russian Revolution, the rise of Fascism and Nazism, the crisis of democracy and the approach of World War II, and Europe's relations with the non-European world. Prerequisite: HIST 1024. (Modern European field) IV; V

HIST 3414 The Contemporary World, 1945 to the Present

A study of the forces that have shaped the world since 1945, including the Cold War, decolonization and neo-colonialism, the rise of emerging nations in Africa, Asia, and the Middle East, the collapse of communism in Europe, and the growth of globalization. Prerequisite: HIST 1024. (Modern European field) IV; V

HIST 3424 U.S.-Latin American Relations

Examines the relations between the United States, Latin America, and the Caribbean and their development from the mid-nineteenth century to the present. This course concentrates on the experiences of some of the countries with the closest experience of American power, such as Haiti and Guatemala, but also takes into

account the history of the entire region's relationship with the U.S., including the importance of large-scale migration. Prerequisite: HIST 1164, 2404, 2414, 3444, or 3454. IV

HIST 3464 Modern German History

A survey of German political and social history from 1848 to the present. Main topics include nationalism and the formation of the German state, German experiences in the two world wars and the efforts to build democracy in the context of military defeat, the rise of Nazism, and the dilemmas posed by re-unification at the end of the Cold War. Prerequisite: HIST 1024. (Modern European field) IV; V

HIST 3554 History of Imperial Russia

An examination of autocracy, bureaucracy, and serfdom in Imperial Russia. Focus is on the attempts to modernize the empire in the nineteenth century, the revolutionary movements from Decembrism to Leninism, the era of "Great Reforms," and the critical role of the intelligentsia. Concludes with the revolution of 1905 and the events leading to 1917. Prerequisite: HIST 1014 or 1024. (Modern European field) IV; V

HIST 3564 History of the Soviet Union

An examination of the February and Bolshevik revolutions, the rule of Lenin and Stalin, collectivization, the purges, the Nazi-Soviet pact, World War II, and de-Stalinization. Prerequisite: HIST 1024. (Modern European field) IV; V

HIST 3624 From Alexander to Cleopatra

An exploration of the Greek and Roman experience during the period 336-31 B.C. Its primary object is to examine the interplay between cultures in a historical context. Topics for discussion include the creation of identity, patterns of cultural assimilation, equity within and between societies, civil-military relations, and the use and abuse of propaganda. Prerequisite: HIST 1014. (Pre-Modern field) IV; V

HIST 4194 Historical Methodology

A study of the basic methods and tools of historical research and the techniques of writing effective research papers. Discussion of current issues in the study of history. Prerequisites: HIST 2744 and three of the following: HIST 1014, 1024, 1154, 1164. IV

HIST 4204, 4208 Internship in History

A program offering supervised placement in organizations providing experience in use, dissemination, or administration of historical materials and information. The student chooses an appropriate organization in consultation with the internship supervisor. (1 or 2 course units.) CR/NC grading. Prerequisites: Junior or senior standing, history major, and permission of instructor. A total of 2 course units may be counted toward the major.

HIST 4444 Senior Research Seminar

An extensive study of a period of history, culminating in a research paper or a bibliographic essay. May be repeated an indefinite number of times provided the topic is different. Prerequisite: HIST 4194 or permission of the instructor. IV

HIST 4904, 4908 Senior Honors

Provides an opportunity for the qualified history major to do independent work in the field under the supervision of a faculty member. A senior who has taken 7 courses in history and who has a 3.0 grade point average overall and in major courses may apply to enter the program by submitting a project proposal and securing permission of the faculty. Students may receive credit for either 1 or 2 course units, depending on the project, but they may not receive credit for more than 1 course unit per term.

Hospitality Management

HRT 1034 Introduction to Hospitality Industry and Tourism

A study of the growth, development, and nature of the hospitality industry from early inns to the present. Will provide an understanding of the many facets of hospitality operations by type, discussion of guest relations, basic management principles, the breakdown of the "front of the house" and "back of the house" operations, and organization of hospitality management systems. Will include fundamentals of food services and lodging processes, concepts, and principles.

HRT 2044 Principles of Food Theory and Preparation

The selection, composition, and preparation of food and the changes that occur during cooking and processing. Development of professional techniques and procedures of quality food production through laboratory experiences. Prerequisite: Permission of instructor.

HRT 3144 Quantity Food Production Management

The study and application of techniques, standards, and principles of quantity food production and service. Management principles in planning, organizing, staffing, and coordinating the kitchen are experienced through a series of dinners catered by students in the curriculum. Prerequisite: HRT 2044.

HRT 3212, 3214 Special Topics in Hospitality

Study of a problem area in the hospitality industry not analyzed in other courses. Topic will change and be announced in advance. Course may be repeated provided different topics are taken. (½ or 1 course unit.) Prerequisites: HRT 1034 and permission of instructor.

HRT 3314 Lodging Operations and Management

A study of the theory and its application of the duties, responsibilities, problems, and opportunities encountered within the departments of lodging facilities. Provides a review of every aspect of lodging management and covers all departments from the front office to finance, from marketing to housekeeping. Prerequisite: HRT 1034.

HRT 3324 Restaurant Management

A study of the principles of planning, organizing, and controlling required of a successful restaurateur. Investigates the management of customers, operations, and employees in all departments of financially successful food service operations. Prerequisite: HRT 1034.

HRT 3544 Travel and Tourism

Principles and practices of domestic and international tourism and leisure travel industries including cultural aspects, economic and social dimensions, marketing, and research. Prerequisites: BA 3014 and 3024.

HRT 4204 Internship

A program offering students supervised instruction in a non-classroom setting. CR/NC grading. Prerequisite: Permission of instructor.

HRT 4214 Independent Study

Self-directed study in which the student initiates, plans, and conducts research under the supervision and guidance of a faculty member. Prerequisites: Senior standing and permission of the instructor.

Interdisciplinary Studies

The following courses have been designed to integrate the perspectives, methods, content, or approaches of two or more disciplines. They are usually team-taught by faculty from different fields and provide students the opportunity to connect and enhance their knowledge of seemingly unrelated issues and areas of inquiry.

IDS 2014 Further Engagements

In a leisurely, reflective atmosphere, students discuss significant works in the tradition of liberal education, with the aim of mutually inquiring how a text works and exploring its understanding of humans and their world. Each iteration of the course will develop a central theme to focus the discussion. Students' writing and oral mid-term and final exams will both further the above aim and build connections among the texts read. Course may be repeated once for credit if the reading material differs substantially. CR/NC grading. IV

IDS 2104 Creative Disruption

Through class discussion of a variety of texts—social and political theory, feminist theory, interventionist art, philosophy, popular media outlets, psychology, and literature—this course encourages students to interrogate culturally established norms and the systems of power that benefit from them. Students learn to question their own participation within systems of control and to stage daily disruptions to these systems. IV

IDS 2204 The Garden of Transylvania

Includes readings on gardens plus planning and creating an actual garden. The class will research soil testing methods and discuss sustainable organic gardening, companion planting, cultural traditions, and the sociology and philosophy of gardening. The class will work on local community gardens, hear from experts on sustainable academic farms, and discuss composting, weeding, harvesting, and saving seeds. Works of philosophers, poets, scientists, artists, and farmers will be covered, mostly about gardens. IV

IDS 2291, 2292, 2294 Special Topics

Offered periodically in order to present creative or special topics of interdisciplinary interest. May be repeated for credit if the topic is different. (¼, ½, or 1 course unit.) Particular instructors may choose standard or CR/NC grading for the class. IDS 2294 is Area IV

IDS 2344 Global Health

A multidisciplinary investigation of global health emphasizing a critical evaluation of its current status and prospects in several under-resourced countries. Focuses on ways that culture, economics, philosophy, science, and political policies influence population health, especially as these are evidenced in nutrition; epidemiology and infectious disease; maternal/child health; and chronic diseases that result from population trends such as obesity and smoking. Prerequisite: 1 course in ANTH, PHIL, BIO, or PE. Also listed as ANTH 2344. III A or IV

IDS 3024 Community Engagement Through the Arts

This course aims to build meaningful and collaborative connections between Transylvania and our neighbors to the North and East. It includes holding regular meetings with a variety of community leaders, attending neighborhood association meetings, recording oral history interviews with residents of the North Limestone neighborhood, working on a collaborative class project, writing weekly “This I Believe” essays, and discussing readings that provide context for thinking about the communities with which the class engages. May be repeated for credit. IV

IDS 3292, 3294 Special Topics

Offered periodically to engage upper level students from various disciplines around a single theme. May be repeated for credit if the topic is different. (½ or 1 course unit) Instructors may choose CR/NC grading. Prerequisite: Permission of the instructor. IDS 3294 is Area IV

IDS 3314 Readings in Peace Education

A study of peace from a variety of disciplinary viewpoints. Readings and other materials encourage students to question the rationale(s) for war and analyze arguments made for solving conflicts in ways that promote peace. Theories and definitions related to violence, nonviolence, war, and pacifism, as well as positive and negative peace will be explored. The theoretical emphasis of the course focuses on the carving out of appropriate epistemologies that develop an education for peace. Prerequisite: Junior standing or permission of instructor. Also listed as EDU 3314. IV

International Affairs**INTL 4444 Senior Seminar in International Affairs**

Understanding international affairs involves more than simply describing; integral to our understanding is also explanation. This course addresses the theoretical approaches that scholars and observers have used to explain outcomes. After discussing problems common to all theoretical endeavors, the course will discuss major schools of thought and will apply the approaches to interpret major issues of the post-Cold War period, testing the explanatory power of the theories. Prerequisite: Permission of instructor. IV

Latin (see Foreign Languages)**Mathematics****MATH 1034 Introduction to Contemporary Mathematics**

A survey of mathematical ideas that are important in contemporary applications of mathematics. The primary aim is to develop conceptual understanding and appreciation, not necessarily computational

expertise. The course will assume only basic ability in arithmetic, geometry, and elementary algebra. I Mathematics

MATH 1144 Elementary Statistics

Emphasis on applied statistics. Included are topics related to data collection (random sampling and experimental design), organizing and describing data (histograms, mean, standard deviation, correlation, and least squares regression), probability theory (finite probability and the normal distribution), and inferential statistics (confidence intervals and tests of significance). I Mathematics

MATH 1214 Functions

The function concept and elementary functions important in mathematics and its applications. Included are the general theory of functions and graphing, polynomial and algebraic functions, logarithmic and exponential functions, trigonometric functions, topics from analytic geometry, and polar coordinates. Credit is not allowed for this course if the student has college credit for calculus.

MATH 1304 Calculus I

Topics on limits and continuity; derivatives and integrals of algebraic, logarithmic, exponential, and trigonometric functions; applications of differentiation; the differential and anti-differentiation, and the definite integral. Laboratory. Prerequisite: ACT math score of 26 or above, a grade of C or better in MATH 1214, or permission of instructor. I Mathematics

MATH 1324 Calculus II

A continuation of MATH 1304. Topics on applications of the definite integral, techniques of integration, polar coordinates, indeterminate forms, improper integrals, and infinite series. Prerequisite: A grade of C- or better in MATH 1304. I Mathematics

MATH 2084 Differential Equations

Standard methods of solving ordinary differential equations, singular solutions, simultaneous differential equations, special second-order differential equations, and applications to geometry, mechanics, and physics. Prerequisite: MATH 1324. IV

MATH 2094 Special Topics in Mathematics

Current topics in any field of mathematics at the sophomore level may be offered when there is demand. May be taken for credit more than once. Prerequisite: Determined by topic. May not be chosen as a major or minor pattern elective in mathematics. IV

MATH 2144 Calculus III

A continuation of MATH 1324. Topics on vectors in the plane and in three dimensional space, calculus of functions of several variables, partial derivatives, multiple integration, and vector calculus. Prerequisite: A grade of C- or better in MATH 1324. IV

MATH 2204 Linear Algebra

Systems of linear equations and their solution, theory of matrices, linear transformations, characteristic values, and inner product spaces. Prerequisite: MATH 1324. IV

MATH 2504 The Mathematician's Toolkit

What do mathematicians do? How is mathematics done? This course explores these questions via an introduction to the mathematical habits of mind and abstract reasoning requisite for the study of mathematics. Core mathematical concepts such as sets, elementary logic, proof techniques, functions and relations, cardinality, and counting are studied. Serving as a transition course, the content and philosophy are designed to introduce students to the type of mathematics encountered in upper-level courses. Prerequisite: Math 1324 or permission of instructor. Math majors are strongly encouraged to take this course during their first two years. IV

MATH 3014 Modern Geometry

A survey of modern geometry using both synthetic and analytic points of view. Topics include axiomatics, finite geometries, Euclidean geometry, non-Euclidean geometry, transformational geometry, and geometric constructions. Prerequisite: MATH 2504 or permission of instructor. IV

MATH 3024 Theory of Numbers

Integers, unique factorization, linear Diophantine equations, congruences, Fermat's and Wilson's theorems, divisors, perfect numbers, Euler's theorem and function, primitive roots and indices, quadratic congruences, numbers in other bases, Pythagorean triangles, and sums of two squares. Prerequisite: MATH 2504 or permission of instructor. IV

MATH 3094 Special Topics in Mathematics

Topics such as topology, differential geometry, complex variables, advanced differential equations, and operations research are offered when there is demand. May be taken for credit more than once.

Prerequisite: Determined by topic. May be chosen as a major pattern elective in mathematics or teaching mathematics. IV

MATH 3114 Higher Analysis

Continues the study of calculus to limits, continuous functions, bounded functions, intermediate value theorem, Taylor's formula and L'Hôpital's rule, vectors and their application, Cauchy's generalized law of the mean, functions of several variables, and partial differentiation. Prerequisite: MATH 2504 or permission of instructor. IV

MATH 3134 Probability and Statistics

Combinatorial analysis; axioms of probability; discrete and continuous random variables; expectations; estimation, maximum likelihood and unbiased estimators; statistical hypotheses and statistical tests; and regression. Prerequisite: MATH 2144. Suggested for mathematics majors; may be taken as a major pattern elective in teaching mathematics. IV

MATH 3224 Abstract Algebra

An axiomatic approach to the number system, general algebraic systems, groups, rings, integral domains, and fields. Prerequisite: MATH 2504 or permission of instructor. IV

MATH 3304 Numerical Analysis

An investigation of numerical methods for computer solutions of applied problems. Topics include review of calculus, round-off errors and computer arithmetic, solutions of equations in one variable, interpolation and polynomial approximation, approximation theory, numerical differentiation, and integration.

Prerequisite: MATH 1324 or permission of instructor. Also listed as CS 3304. IV

MATH 4204 Mathematics Internship

A course offering students supervised instruction in a non-classroom setting. May not be used to meet the requirements for a mathematics major. CR/NC grading. Prerequisites: Junior or senior status and permission of mathematics program director.

MATH 4214 Independent Study

Readings on an approved topic. May be repeated once for credit. Standard or CR/NC grading.

Prerequisites: Determined by topic. Major pattern elective in mathematics.

MATH 4294 Senior Seminar

This capstone course for the mathematics major encourages students to explore important mathematical ideas through the use and integration of previous mathematical courses and a variety of mathematical techniques. The course includes opportunities for students to read mathematical papers, write mathematics (both careful proofs and exposition), and make mathematical presentations. Specific topics covered will be determined by the instructor.

MATH 4314 Honors in Mathematics

A topic, chosen by the student in consultation with a professor, is studied in depth. Will use library facilities for research. All work will be independent. May be taken for credit more than once. Prerequisites: Determined by topic.

Music

MUS 1004 Music Appreciation

A survey of Western Art Music from the Middle Ages to the present. The course develops advanced listening skills and contextualizes musical works and styles within a broad cultural framework. II Fine Arts

MUS 1024 Introduction to Music Technology

An introduction to music software applications and hardware components used in the teaching and production of music. Topics include Musical Instrument Digital Interface (MIDI), notation, synthesis, digital sequencing, computer assisted instruction, audio mixing and recording, and the history of electronic music. Students are introduced to many software programs and work closely with Pro Tools and Sibelius. Technologies, as well as aesthetics concepts, are introduced and explored through creative projects.

MUS 1154 Excursions into Non-Western Music

Introduces students to the music of cultures that developed apart from the Euro-centric tradition, including but not limited to sub-Saharan Africa, the Middle East, the Pacific Rim, Latin and South America, Native America, and the Asian Subcontinent. III A

MUS 1274 Music Theory for the University Student

Develops proficiency in the specific skills and theoretical concepts necessary to read and write music, as well as in the related aural and keyboard skills. Basic pitch and rhythmic notation and manuscript techniques, scales and keys, intervals, chords (including both traditional and commercial notation), and transposition and harmonization. II Fine Arts

MUS 1864 Theoretical Skills of Music I

Intended for the student with some music background, this course combines classroom theory with skill-related development for the serious musician. Beginning with a review of music reading, the student proceeds quickly through musical rudiments to the study of part-writing.

The course also includes an introduction to the solfege system, sight-reading, as well as to the keyboard. II Fine Arts

MUS 2024 Audio Recording Technology

A practical study of applications in analog and digital recording technology. Topics of study include the physical aspects of sound, microphone techniques, recording console operation, signal processing and digital effects equipment, hard-disc recording and reproduction, and mastering and mixing techniques. Students will gain experience in hardware and software use. Prerequisite: MUS 1024. IV

MUS 2034 Interactive Music and Multimedia

As digital interactivity increases in many aspects of 21st-century life, it exerts a dramatic impact on the arts. This course examines the aesthetics and technologies of recent interactive artworks, from interactive musical compositions and video pieces to multimedia installations and performances involving interactive dance technology. Students develop their own interactive projects and learn to program in Max, a graphical computer language for user interface construction, audio synthesis and signal processing, and video capture and rendering. Prerequisite: MUS 1024. IV

MUS 2114 History of Music: Ancient to Baroque

A survey of music history from ancient times to 1750. Prerequisite: MUS 1864. IV; V

MUS 2124 History of Music: Baroque to Present

A survey of music history from 1725 to the present. Prerequisite: MUS 1864. IV; V

MUS 2291, 2292, 2294 Special Topics in Music

The study of an area of inquiry in music not fully treated in other courses. Topics may be theoretical, historical, or practical and may include, but not be limited to, travel/performance opportunities. Topics change. May be repeated for credit if the topic is different. (¼, ½, or 1 course unit.) Standard or CR/NC grading, depending on topic. Prerequisite: Permission of instructor. MUS 2294 is Area IV.

MUS 2304 Music Cognition

Understanding the complex and mysterious musical mind is a relatively new and interdisciplinary effort. Music cognition applies the methods of cognitive science (experimental, computational, and neurological)

to musical issues and problems. Psychoacoustics compares the physical characteristics of sound (harmonic spectrum, intensity, physical location in space) with what is actually perceived by the listener (timbre, pitch, loudness, perceived position in space). Recent research and experiments in psychoacoustics and music cognition will be studied and reproduced. Prerequisite: Sophomore standing and familiarity with basic music notation. IV

MUS 2774 History of Jazz/Rock Music

Explores the special cross-cultural development of American popular music since 1900. From African and European roots, this music evolves into the blues, New Orleans jazz, swing, the jazz avant-garde, and current jazz styles. The course considers the “language of rebellion” as a seminal factor in the rapid development of Rock to present day. Rock styles presented will include electric blues, rockabilly, and the British invasion; acid rock and psychedelic blues; corporate rock, metal, and punk; grunge, rap, and industrial; current mainstream and alternative styles; and the development of popular music since the 1990s in response to the Internet revolution. Requires library research of special period, topic, style, or artists, as approved by instructor, to result in a formal research document. When taught in May term, students travel to the Rock and Roll Hall of Fame in Cleveland to undertake a portion of this research. Prerequisite: FYS 1104. IV; V

MUS 2864 Theoretical Skills of Music II

A continuation of Music 1864, introducing chromatic harmony and emphasizing part-writing, cadences and small forms, and musical elaboration techniques. A continued emphasis on musicianship includes longer and more complex sight-reading and dictation, as well as greater emphasis on keyboard improvisation. Lab required. Prerequisite: MUS 1864. IV

MUS 3072 Piano Pedagogy I

A study of teaching procedures and material for piano instruction with adaptation to various age levels, including the adult beginner. Correct habits of study and performance, recognition of individual differences, presentation of sight-reading, technical material, aural development, memorization, pedaling, and music interpretation are considered. Leading piano methods and supplementary materials are examined with application to individual and class lessons. One-hour lecture and one-hour supervised teaching per week. (½ course unit.) Prerequisite: MUS 2864.

MUS 3082 Piano Pedagogy II

A continuation of MUS 3072. (½ course unit.) Prerequisite: MUS 3072.

MUS 3122, 3132, 3142, 3162 Instrumental Techniques

The teacher education student will learn the basic performance skills of the instrument family and develop strategies for teaching those skills to students at all levels of instruction (½ course unit.) Prerequisite: MUS 2864.

MUS 3122 String Performance and Pedagogy

MUS 3132 Woodwind Performance and Pedagogy

MUS 3142 Brass Performance and Pedagogy

MUS 3162 Percussion Performance and Pedagogy

MUS 3152 Diction for Singers I

Singing diction as well as vocal techniques appropriate for the pronunciation of languages common to the classical vocal repertoire are studied. The languages studied in this term are English and Italian. (½ course unit.) Prerequisite: MUS 2864.

MUS 3194 Teaching General Music

An introduction to the methods of teaching general music and singing to school children, with particular focus on the implementation of developmentally appropriate educational practices, instructional strategies, and curricular content. Special emphasis on preparing young people to sing, including physical and anatomical considerations as well as respiration, phonation, resonance, diction, and expression. Requires 15 hours of observations and interviews of school personnel. Prerequisite: MUS 2864. IV

MUS 3254 Conducting

An introduction to the discipline of conducting, applicable to both vocal and instrumental ensembles. Students will learn to acquire a conception of a musical work through listening, singing, and realization at the keyboard; to clarify that conception through study of the work's cultural, historical, and metaphorical context; to communicate through gesture; to plan rehearsals; and to evaluate their own and others' conducting in rehearsal and performance. Prerequisite: MUS 2864. IV

MUS 3272 Piano Literature I

Survey of Baroque, classical, Romantic, and twentieth-century compositions for piano, with particular emphasis on form, style, compositional technique, historical background, and pedagogical issues. (1/2 course unit.) Prerequisites: MUS 2124 and 2864.

MUS 3282 Piano Literature II

In-depth study of an issue or topic, to be defined by student and instructor, related to keyboard literature. The student's work will culminate with a public presentation. (1/2 course unit.) Prerequisite: MUS 3272.

MUS 3314 Church Music Administration

A basic course in administering a church music program. The graded choir program, budgeting, scheduling, worship and the arts, and related topics. Prerequisite: MUS 2864. IV

MUS 3322 Vocal Literature I

Vocal solo literature from the sixteenth through the eighteenth centuries. Emphasis on the interpretation and performance of different styles. (1/2 course unit.) Prerequisite: MUS 2864.

MUS 3354 Teaching Instrumental Music

For teaching music majors only. Synthesizes the knowledge acquired in the foundation courses taken in the education program with the concepts and skills gained in the content area to enable the teacher education student in music to develop a successful instrumental music program. The course will focus on the implementation of developmentally appropriate educational practices, instructional strategies, and curricular content. Attention will be given to current research on the cognitive foundations of music, music as it relates to other disciplines, the development of the teacher education student's diagnostic and prescriptive skills, and discipline-specific methods of assessment of student learning. Emphasis will be placed on the teaching of technical skills and on the use of that skill base as a vehicle to stimulate higher level critical thinking on the part of the learner. Requires 15 hours of observations and interviews of school personnel. Prerequisite: MUS 2864. IV

MUS 3364 Teaching Choral Music

An introduction to conducting choirs and managing choral programs at the junior high/middle school and high school levels. The course is also applicable to the church musician. It will offer dual tracks in practical and artistic components of a successful choral music program. Prerequisite: MUS 2864. IV

MUS 3864 Theoretical Skills of Music III

Designed for the music major. Emphasis on chromatic harmony as exhibited in the early nineteenth century. Musicianship skills require a greater need for independence of thought and creative development. Lab required. Prerequisites: MUS 2864. IV

MUS 4864 Theoretical Skills of Music IV

Designed for the music major. Content emphasizes music of the late nineteenth and the twentieth centuries. Musicianship skills emphasize modal recognition and sight-reading, mixed meter, and awareness of recent sonic developments. Lab required. Prerequisite: MUS 3864. IV

MUS 4881, 4882, 4884 Independent Study in Music

Individual projects designed to give qualified students opportunities for advanced exploration into various areas of music. (1/4, 1/2, or 1 course unit.) May be repeated for credit, provided the subject changes, up to a maximum of 3 course units. Prerequisite: Permission of instructor.

MUS 4894 Practicum/Internship

Individual projects designed to give qualified students opportunities for advanced exploration into various areas of music technology. Prerequisite: MUS 2864.

MUS 4951, 4952 Senior Recital

Team-taught by members of the music faculty, including the student's applied instructor, this capstone experience comprises seminar meetings, one-on-one conferences, and weekly applied lessons, culminating with a public performance. The seminar/conference component provides structure for the creation of written or aural program notes, walks the student through logistical and preparation matters related to the performance, and facilitates development of a professional portfolio. Students must be enrolled in Senior Recital during the term of their performance or the term prior, depending on the recital date. Required of all music majors—Music Education students register for 4951 (¼ unit); Music Technology and Applied Music students register for 4952 (½ course unit.) Prerequisite: Senior standing

Ensembles

Participation in ensembles that meet a minimum of twice a week will result in the granting of ¼ course unit of credit per term toward graduation. All ensembles use standard grading and may be repeated for credit. Music majors may count a maximum of 2 course units of ensemble credit toward the major. Ensemble requirements for majors, minors, and music scholarship holders must be filled by the ensemble corresponding to their principal applied instrument (with some approved exceptions for keyboard, guitar, and electric bass).

- MUS 2051 Transylvania Choir**
- MUS 2061 Transylvania Concert Band**
- MUS 2071 Jazz Ensemble***
- MUS 2081 Chamber Orchestra**
- MUS 2121 Madrigal Singers***
- MUS 2131 Transylvania Singers Women's Chorus**
- MUS 2151 Accompanying***
- MUS 2171 Pioneer Voices Men's Chorus**
- MUS 2311 Guitar Ensemble**
- MUS 2321 Opera Workshop***

*May not be used to satisfy ensemble requirement for major, minor, or music scholarship (with some approved exceptions for keyboard, guitar, and electric bass).

Applied Music

Private instruction is available in piano, voice, strings, woodwinds, brass, percussion, harp, organ, harpsichord, guitar, and composition. Credit for applied music is based on ¼ course unit per term for a half-hour lesson each week, and ½ course unit per term for an hour lesson. To enroll in MUS 11 through 42, a student must demonstrate adequate proficiency on that instrument or voice. Applied music majors must register for a one-hour (½ course unit) lesson; all others will receive half-hour (¼ unit) lessons. These courses are offered for a standard letter grade; they entail jury examination, mandatory concert attendance, and performance at general student recitals as described in the Handbook for Music Students. Students who wish to take applied lessons without these requirements must register for Music 10 (a ¼ unit elective course offered for CR/NC). Voice lessons at the Music 10 and 11 levels will typically be taught in a small-group setting, with meetings one hour per week; small-group instruction for Music 10 piano and guitar students will also be available periodically. In no case will a student be allowed to audit an applied music course.

- MUS 10 University Applied Music** (elective) for non-majors and non-minors, CR/NC grading, ¼ course unit
- MUS 11, 12 Applied Music (1st year)**—standard grading, ¼ unit (½ unit for Applied majors)
- MUS 21, 22 Applied Music (2nd year)**—standard grading, ¼ unit (½ unit for Applied majors)
- MUS 31, 32 Applied Music (3rd year)**—standard grading, ¼ unit (½ unit for Applied majors)
- MUS 41, 42 Applied Music (4th year and beyond)**—standard grading, ¼ unit (½ unit for Applied majors)

Natural Sciences

NS 1034 Medical Illustration

Designed for students interested in art applied to medicine. Content includes chart graphs, pen and ink techniques, and color and half-tone techniques that emphasize muscle structure, bone structure, arteries, veins, cysts, fat, and surgical instruments.

NS 1104 Sight and Sound

An introductory consideration of the physics of light and sound, accompanied by a study of the biological structure and function of the visual and auditory systems. This course is designed for non-science majors, particularly students interested in the basis of sensory understanding. Students will use light and sound as launching points for an understanding of the scientific method and cross-disciplinary approaches to scientific problem solving. Lecture and laboratory. II Natural Science

NS 1204 Origin of Life

A study of the origin of human life, starting from the origins of the universe, moving to the (atomic) structure of matter, followed by the assembly of pre-biotic material into simple life forms, and culminating in the evolution of complex life forms. Content will be organized around great discoveries in science. Emphasis will be placed on the methodology and human experience that have led to these discoveries. Lecture and laboratory. II Natural Science

NS 2294 Special Topics in Natural Science

The study of an area or an interdisciplinary subject that is not fully treated in other courses. Intended primarily for May term, the course will vary, depending upon the instructor, special interests, and perceived need. Topics will be announced in advance. May be repeated for credit so long as the topic is different. IV

NS 3124 Special Projects in the Professions

A special off-campus program arranged to meet the needs of the student. For example, students interested in medicine may work with physicians or in hospitals, students interested in veterinary medicine may work with a veterinarian, students interested in marine biology may work in a marine biology station, etc. Prerequisite: Permission of instructor.

NS 4044 Capstone in Neuroscience

An interdisciplinary course designed to integrate and expand the student's knowledge of neuroscience. Topics will be explored through lecture, discussion, extensive reading of the primary literature and a substantial writing assignment. Prerequisite: BIO 3224 or PSY 3304 and junior or senior standing.

Philosophy**PHIL 1024 Introduction to Philosophy**

An introduction to the methods and viewpoints of philosophy and their applications to the basic questions of life. Not open to seniors. II Humanities

PHIL 1154 Practical Logic

A general course on the methods of logical/critical thinking: principles of reasoning, argument forms, logical models, dialectical techniques, the use of modern symbolic notation, fallacies, and illustrations in applied logic.

PHIL 2004 Feminist Philosophies

Covering authors from the 1700s through the present, this course presents a survey, exploration, and critical assessment of the varieties of philosophical thought orbiting around what have been known as the "woman question" and "feminism." Topics may include educational reform, suffrage, equal rights, psychoanalysis, socialism, radical feminism, post-modernism, and feminist critiques of popular culture. Also listed as WS 2004. IV

PHIL 2084 Environmental Philosophy

A philosophical investigation of conceptions of our relations and responsibilities to the environment. Issues to be explored include animal rights, the preservation of biological diversity, and population control. IV; V

PHIL 2164 Bioethics

Study of the value conflicts that arise from developments in biology and medicine. Issues include abortion, euthanasia, medical experimentation, reproductive technologies, and the allocation of scarce medical resources. IV; V

PHIL 2174 Anarchism

Anarchism presents a distinctive critical tradition of social-political philosophy. This course surveys the major strains of anarchist philosophy regarding the state, religion, gender, private property, human nature, the natural environment, social change, liberty, and equality. Special attention will be given to the contrasting anarchist thought against various strains of Marxism. The place of anarchist thought in the panoply of American political philosophy will be addressed through an analysis of the Haymarket bombing of 1886 and the first World War. Thinkers addressed will include Bakunin, Proudhon, Kropotkin, Goldman, Boockin, and the Situationist International. IV

PHIL 2294 Special Topics

Exploration of a theme, author, or philosophical movement that may be of special interest but is not fully treated in other courses in the program. Usually offered in May term, with topics announced in advance. Class may be repeated for credit if topic is different. Standard or CR/NC grading. IV

PHIL 2304 Major Thinkers

Exploration of a major philosopher or thinker crucial to the development of philosophy, who may be of special interest to students from varied disciplinary backgrounds, but who is not fully treated in other courses in the program. Special emphasis is placed on the intensive, historically sensitive reading of the thinker's works in order to understand in detail the interconnections among the various aspects of the thinker's investigations. IV

PHIL 2434 Machine Intelligence

Familiarizes the student with the growing field of artificial intelligence. The course will describe what artificial intelligence is, how it is presently being used, and its future uses. Students will learn to design artificial intelligence systems, such as game systems and production systems. Prerequisite: CS 2444, PHIL 1024, or PSY 1004. Also listed as CS 3434. IV; V

PHIL 2504 Ancient Chinese Thought

Between the sixth and the second centuries BCE, China burgeoned with philosophical schools and their texts. Students will read those texts closely and critique them, concentrating especially on the Analects, the Chuang-Tzu, the Mencius, and the Hsun-Tzu. Special emphasis will be placed on how the traditions such texts represent react to each other as they develop increasingly sophisticated defenses of their positions. The course will also attempt to identify, assess, and avoid popular Western readings of the Chinese philosophical tradition by—in part—incorporating recent historical findings and textual apparatus. Also listed as REL 2504. III A or IV

PHIL 2514 Ancient Greek and Roman Philosophy

Examines the dawn of philosophy in ancient Greece: the early natural philosophers, Socrates, Plato, Aristotle, and the Hellenistic world views; the relationship of philosophy to art and science; and the meanings of Greek philosophical experience for modern times. Standard or CR/NC grading. Also listed as CLA 2514. III B or IV

PHIL 2524 Philosophy of Mind

A study of the development and current status of the concept of mind. The course begins with traditional historical conceptions (dualism, behaviorism, identity theory) and proceeds to an examination of how the disciplines of cognitive science, cognitive ethology, and evolutionary psychology have affected recent thinking on the concept of mind. Special emphasis will be placed on the way in which ideology influences formulations of the mental. IV

PHIL 2534 Medieval and Renaissance Philosophy

A survey of the principal philosophical achievements of the Middle Ages and the Renaissance. The course will address thought developed from the birth of Augustine in 354 to the burning of Giordano Bruno in 1600. The course will explore the Judaic, Islamic, and Christian traditions. Figures covered will include Augustine, Boethius, Avicenna, Anselm, Hildegard von Bingen, Averroës, Maimonides, Aquinas, Scotus, Ockham, Cusanus, Ficino, Erasmus, Paracelsus, Montaigne, and Bruno. Standard or CR/NC grading. Prerequisite: CLA/PHIL 2514. III B or IV

PHIL 2554 History of Modern Philosophy

A study of seventeenth- and eighteenth-century philosophers, including the Rationalists, Empiricists, and Kant. Standard or CR/NC grading. III B or IV

PHIL 2614 Animal Minds/Human Values

An examination of human attitudes and obligations to nonhuman animals through an exploration of questions surrounding the existence, kinds, and implications of mental states in non-human animals; the conditions for and implications of ascribing rights to these non-human species; and, overall, the ways in which ideologies such as ecofeminism figure in such arguments. IV

PHIL 3054 Philosophy of Religion

A discussion and lecture course dealing with the intellectual problems of religion (such as those of God, freedom, faith, immortality, evil, and religious knowledge). Time is also given to a study of the various schools of religious philosophy. Also listed as REL 3054. IV; V

PHIL 3094 Special Readings in Philosophy

Writing of a philosophical essay based on readings on an approved topic with a given bibliography and tutorial conferences. Prerequisites: One 2000-level PHIL course and permission of instructor.

PHIL 3114 Political Theory I: Classical and Medieval

An examination of the foundations of the Western political tradition in Greek, Roman, and medieval thought. Focusing attention upon such major figures as Plato, Aristotle, Augustine, Aquinas, Machiavelli, Luther, and Calvin, explores the major questions and problems of political theory. Also listed as PS 3114. IV

PHIL 3124 Political Theory II: Modern

Surveys the development of political theory in the modern and contemporary periods, focusing on such major figures as Hobbes, Locke, Hegel, Marx, Sartre, Marcuse, and others. A chronological and logical extension of PHIL/PS 3114, but PHIL/PS 3114 is not a prerequisite. Also listed as PS 3124. IV

PHIL 3144 Existentialism

An exploration of the nature and meaning of existentialism as it has developed in philosophy and theology and in their interactions. Prerequisite: One 2000-level PHIL course. IV; V

PHIL 3214 Social Theory of Karl Marx

An examination of the critical and humanistic foundations of Marx's theory of society and politics. The course will focus topically on the major components of Marx's thought, including human nature, social relations, alienation, exploitation, the historical development of capitalist society, the role of the state and ideology, and visions of future society. Also listed as PS 3214. Prerequisite: PS 1004 or PHIL 1024. IV

PHIL 3404 Epistemology

An examination of traditional questions of knowledge, truth, and meaning especially as they are challenged by versions of skepticism and relativism. Special attention will be given to recent controversies, such as the realism-antirealism debate in philosophy of science, feminist critiques of rationality, and the plausibility of "naturalized" epistemology. Prerequisite: One 2000-level PHIL course. IV; V

PHIL 3414 Ethical Theory

An examination of several responses to the questions "How should I act?" and "What sort of person should I be?" The course will consider classical ethical theories, including those of Aristotle, Mill, and Kant, as well as recent challenges from virtue theory and feminist ethics. Prerequisite: One 2000-level PHIL course. IV; V

PHIL 3424 Metaphysics

Personal identity, causation, mind and body, numbers, free will—all of these subjects and more are studied in metaphysics. Students will conduct philosophical inquiries concerning a selection of these topics and will learn why the study of metaphysics is important not only to philosophy, but also to many other disciplines (e.g., physics, psychology, and mathematics). Prerequisite: One 2000-level PHIL course. IV; V

PHIL 3444 Mental Organs

By viewing the mind as a powerful digital computer, the interdisciplinary approach known as cognitive science is unlocking secrets about thought that have puzzled humans for millennia. This seminar provides the vocabulary, background, and skills that are needed to appreciate this interdisciplinary area. Students will investigate the narrative structure of thought and language, analyze how humans can be said to have free will, and explore the nature and limits of morality. Prerequisite: CS 2444, PHIL 1024, 2514, or 2554. Also listed as CS 3444. IV

PHIL 3534 Black Feminist Theory

Examines critical and theoretical issues in Black feminism from the nineteenth century to the present, focusing on the influential contemporary Black feminist intellectual tradition that emerged in the 1970s. From this perspective, students will explore certain themes and topics, such as work, family, politics, and community, through reading the writings of Black feminists. We will also study the ways in which women and men have worked together, towards the eradication of race and gender inequality, among other systems of oppression, which have historically subjugated Black women. Although emphasis will be placed on Black feminist traditions in the United States and Britain, we will also consider Black feminism in global perspective. Prerequisite: WS 1004, PHIL2004/WS2004, or permission of instructor. Also listed as WS 3534. III B or IV

PHIL 3554 Nineteenth-Century Philosophy

One of the most creative and transformative centuries in the history of Western philosophy, the nineteenth century gave rise to thinkers who aimed to re-envision the philosophical project as a whole. Readings in Fichte, Schopenhauer, Feuerbach, Marx, Kierkegaard, Mill, and Nietzsche will be introduced and contextualized by substantial readings from Hegel. Prerequisite: One 2000-level PHIL course. IV

PHIL 4014 Recent Philosophy

A study of Western philosophical developments since the beginning of the twentieth century. The course will address principal currents in Continental as well as Anglo-American philosophy. Movements addressed may include psychoanalysis, Marxism, positivism, semiotics, phenomenology, existentialism, hermeneutics, pragmatism, post-structuralism, and analytic philosophy. Prerequisite: CLA/PHIL 2514 or 2554. IV; V

PHIL 4204 Internship in Philosophy

The practical application of philosophy skills in education, law, medicine, or other areas. Students choose an appropriate organization in consultation with a faculty member who supervises the work. One course credit may be counted toward major. CR/NC grading. Prerequisites: Five course units in philosophy and permission of instructor.

PHIL 4444 Senior Seminar

Extensive examination of selected philosophical topics. Preparation, presentation, and revision of senior projects. Prerequisite: Senior major in philosophy. IV

PHIL 4904, 4908 Senior Honors

Independent study of a philosophic problem involving regular conferences with the instructor and writing of a philosophic essay. (1 or 2 course units.) Prerequisites: Senior standing, at least a 3.5 grade point average in philosophy, presentation of an acceptable project proposal, and permission of instructor.

Philosophy, Politics, and Economics**PPE 1024 Synthetics Introduction to Philosophy, Politics, and Economics**

An introduction to the topics and methods of the interdisciplinary study of philosophy, politics, and economics. By using both complementary and oppositional lenses drawn from philosophy, politics, and economics, students will be introduced to the distinctively rich and complex manner in which this kind of interdisciplinary reflection can illuminate topics in human life and society.

PPE 2014 Presidential Topics in Philosophy, Politics, and Economics

Exploration of a special topic in philosophy, politics, and economics selected by Transylvania President R. Owen Williams. Topics will be announced in advance. Class may be repeated for credit if topic is different. Prerequisite: Completion of PPE primary course requirements. IV

PPE 2294 Special Topics in Philosophy, Politics, and Economics

Exploration of a topic in philosophy, politics, and economics that may be of special interest but is not fully treated in other courses in the program. Topics will be announced in advance. Class may be repeated for credit if topic is different. Prerequisite: PPE 1024. IV

PPE 3114 Advanced Readings in Philosophy, Politics, and Economics

Exploration of an advanced topic in philosophy, politics, and economics that may be of special interest but is not fully treated in other courses in the program. Topics will be announced in advance. Class may be repeated for credit if topic is different. Prerequisite: Completion of PPE primary course requirements and 1 2000-level elective course. IV

PPE 4204 Internship in Philosophy, Politics, and Economics

Learning about topics in philosophy, politics, and economics through engaging practices beyond the academy. In consultation with an instructor in the PPE program, students will choose an appropriate organization, institution, or practitioner to work with. Writing and reading related to the internship will be assigned by the supervising instructor. CR/NC grading. Prerequisite: Permission of instructor.

PPE 4444 Synoptic Senior Seminar in Philosophy, Politics, and Economics

The synoptic capstone course for students working toward the bachelor of arts degree in philosophy, politics, and economics. Extensive interdisciplinary examination of selected topics. Includes preparation, presentation, and revision of a senior thesis project under the direction of a professor working in the program. Prerequisite: Completion of PPE primary course requirements and senior standing or permission of instructor.

Physical Education and Exercise Science**PE 1004 Introduction to Physical Education and Exercise Science**

The history, philosophy, and contemporary functions of physical education and exercise science as a profession. Introduction to the field for majors and nonmajors. This course should be taken as early as possible.

PE 1113 Lifetime Fitness

A course combining knowledge and activities that will provide a basis for lifetime physical fitness. (¾ course unit.) CR/NC grading.

PE 2004 Health Promotion

Introduction to a range of topics related to the health of the individual. Areas of specific emphasis include nutrition and weight management, stress management, substance abuse, and aging. Prerequisite: PE 1113

PE 2014 Team Sports I

The rules, skills, practices, and procedures essential to the teaching and coaching of football, soccer, field hockey, and volleyball. Each student is required to scout, observe, and participate in each sport.

PE 2024 Team Sports II

The rules, skills, practices, and procedures essential to the teaching and coaching of basketball, baseball, softball, and track and field. Each student is required to scout, observe, and participate in each sport.

PE 2034 Individual Sports I

The history, objectives, rules, and fundamentals of selected individual sports. Teaching methods in tennis, golf, gymnastics, racquetball, and handball.

PE 2044 Individual Sports II

The history, objectives, rules, and fundamentals of selected individual sports. Teaching methods in archery, badminton, table tennis, bowling, and fly and bait casting.

PE 2064 Emergency Care and Safety

Designed to prepare an individual to act in an emergency situation. Includes first aid techniques, CPR, rescue moves, and safety awareness. Recommended for education and physical education majors. (Red Cross certifications for Emergency Response and Adult CPR are available through this course.)

PE 2074 The Dance

The study and appreciation of dance as an art concerned with the communication of an idea or feeling through movement.

PE 2094 Anatomy and Physiology I

An introductory consideration of the structure and function of the integumentary, skeletal, muscular, and cardiovascular systems with particular reference to the human. This course is designed for exercise science majors and students considering an allied health career. It will not count toward the major course requirement of the biology pattern. Lecture and laboratory. Also listed as BIO 2014. Prerequisite: BIO 1044 or 1164. IV

PE 2104 Anatomy and Physiology II

An introductory consideration of the structure and function of the nervous, endocrine, immune, respiratory, digestive, urinary, and reproductive systems with particular reference to the human. This course is designed for exercise science majors and other students interested in an allied health career. It will not count toward the major course requirements of the biology pattern. Lecture and laboratory. Also listed as BIO 2104. Prerequisite: PE 2094 or BIO 2014. IV

PE 2294 Special Topics in Physical Education and Exercise Science

The study of a topic or inquiry not fully treated in other courses. Topics may include nutrition and human performance, weight management, exercise testing for normal and special populations, or other allied health areas. Subjects change and are announced in advance. May be repeated for credit if topic is different.

PE 3004 Methods in Physical Education

Designed to prepare physical education teachers to teach concepts and activities that lead to positive physical, social, cognitive, and emotional development of learners. Activities for special populations will also be explored. Prerequisite: EDU 2164.

PE 3014 Physiology of Exercise

A study of the human anatomical systems and their physiological function with special emphasis on the muscular, nervous, skeletal, circulatory, and respiratory systems and the acute and chronic adaptations that result from exercise. Other topics include the physiological effects of physical activity on children, adolescents, and older adult women, and health-related conditions such as obesity, heart disease, and diabetes. Prerequisites: BIO 2014/PE 2094 and BIO/PE 2104.

PE 3034 Athletic Injuries and Rehabilitation

Develops awareness of the injury problems associated with sports participation. Teaches methods of prevention and rehabilitation of athletic injuries. Introduces the athletic training modalities available in a modern trainer's room. Prerequisite: BIO 2014 or PE 2094.

PE 3054 Kinesiology and Biomechanics

Biological and mechanical principles of movement patterns and their application to the evaluation of both the performer and the performance. Prerequisite: BIO 2014.

PE 3204 Nutrition and Energy Balance

A study of evidence-based information on major nutrients and nutritional needs across the lifespan. Explores basic concepts that govern energy balance, body composition, and weight management. Other topics include the relationship between nutrition and physical performance and disease prevention, the factors that affect food choices—including media and advertising, and the sustainability of our food system. Prerequisite: PE 1004.

PE 4004 Organization, Administration, and Evaluation of Physical Education and Exercise Science

Explores concepts of administration, supervision, and evaluation of physical education and exercise science programs. Prerequisite: PE 1004.

PE 4204 Internship

Supervised placement of students in organizations that provide capstone experiences to the physical education or exercise science major. Integrating theory and practice, this experience includes academic requirements, such as reports and research papers, which will be agreed upon in advance among the student, faculty, and placement supervisor by means of a learning contract. May be repeated once for credit. CR/NC grading. Prerequisite: Permission of instructor.

PE 4444 Senior Seminar

Topics include current trends and research methods in exercise science and the allied health field. Team research projects provide the opportunity to integrate previous coursework and to explore new questions.

Physical Education Activity Courses

(¼ course unit)

PE 3 Volleyball	PE 25 Ultimate Frisbee
PE 4 Field Hockey	PE 27 Ballroom Dancing
PE 5 Soccer	PE 31 Beginning Weight Training
PE 6 Badminton	PE 32 Racquetball
PE 7 Basketball	PE 33 Aerobics
PE 8 Bowling	PE 34 Outdoor Recreation
PE 9 Softball	PE 35 Lifeguarding
PE 12 Horsemanship	PE 37 Karate and Self Defense
PE 13 Beginning Tennis	PE 38 Beginning Yoga
PE 15 Golf	PE 41 Cross Country
PE 16 Swimming	PE 42 Baseball
PE 17 Modern Dance/Cheer	PE 43 Advanced Weight Training
PE 18 Cheerleading	PE 47 Beginning Tai Chi Chuan 24
PE 21 Intermediate Tennis	PE 51 Team Sports Officiating I
PE 24 Fitness Walking and Running	PE 52 Team Sports Officiating II

Physics

PHYS 1014 Conceptual Physics

A qualitative introduction to the basic principles and ideas of mechanics, heat, thermodynamics, waves, electricity, magnetism, and optics. Demonstrations, exercises, and experiments will be used to construct the fundamental concepts. Emphasis will be placed on verbal interpretation, arithmetical reasoning, functional reasoning, and graphical interpretation. There will be some quantitative and algebraic interpretation. The course is designed for all students. Lecture and laboratory. II Natural Science

PHYS 1024 Measuring the Universe

An investigation of the methods used by cosmologists to determine the sizes and ages of our solar system, galaxy, and universe. Students will study gravity, light, optics (including telescopes), the formation of stars and black holes, Doppler shifts, and the expansion of the universe. Lecture and laboratory. II Natural Science

PHYS 2115 University Physics I

A calculus-based introduction to mechanics and thermodynamics. Fundamental principles such as energy and momentum conservation are stressed. The development of problem-solving skills is also emphasized. This is a required course for physics, chemistry, biology, and pre-engineering majors. Lecture and laboratory. Prerequisite or corequisite: MATH 1304. II Natural Science or IV

PHYS 2125 University Physics II

A continuation of PHYS 2115. The fundamental concepts of electricity, magnetism, and optics will be developed in a calculus environment. Continued stress on problem-solving skills. Required for physics, chemistry, biology, and pre-engineering majors. Lecture and laboratory. Prerequisite: PHYS 2115. IV

PHYS 2154 Special Relativity

An introduction to Einstein's special theory of relativity with emphasis on Lorentz transformations of fundamental physical quantities and descriptions of particle motions using space-time diagrams. Interesting effects such as time dilation, length contraction, the Doppler shift, and the twin paradox will be studied. Conservation of mass-energy will be applied to problems in nuclear and particle physics, and the relationship between electricity and magnetism will be investigated. Lecture and laboratory. Prerequisite: PHYS 2125. IV

PHYS 2164 Modern Physics

An elementary presentation of quantum physics, followed by applications to atoms and molecules, as well as an introduction to statistical mechanics. Lecture and laboratory. Prerequisite: PHYS 2125. IV

PHYS 2404 Optics

A study of geometrical, physical, and modern optics. Emphasis on the electromagnetic wave nature of light and the particle nature of light, photons. Topics include reflection and refraction, lenses, optical instruments, interference, diffraction, polarization, spectroscopy, lasers, and laser light. Lecture and laboratory. Prerequisite: PHYS 2125. IV

PHYS 2444 Special Topics in Physics

Exploration of a theme or physical theory that may be of special interest, but is not fully treated in other courses in the program. Usually offered in May term, with topics announced in advance. Prerequisite: PHYS 2125 or permission of instructor. IV

PHYS 3014 Classical Mechanics

A study of the statics and dynamics of mechanical systems of interest to engineering and physics majors. Includes study of kinematics and dynamics presented in various reference frames, coordinate transformations between frames, rotation of rigid bodies, moments of inertia, spinning tops, conservation laws, central forces, and introductory Lagrangian mechanics. Lecture and laboratory. Prerequisite: PHYS 2125. IV

PHYS 3054 Electricity and Magnetism

Intermediate mathematical treatment of electric and magnetic fields and potentials. Electric and magnetic properties of matter, circuits, introduction to Maxwell's equations, radiation, and physical optics. Lecture and laboratory. Prerequisites: PHYS 2154 and MATH 2144. IV

PHYS 3101 Research in Physics

A laboratory course designed to acquaint the student with the techniques and equipment used for experimental research in atomic and molecular collisions. Topics include building scientific apparatus, high vacuum systems, single particle counting techniques, electron optics, electronics, and methods of data analysis. (¼ course unit.) CR/NC grading. May be repeated once. Lecture and laboratory. Prerequisite: PHYS 2125.

PHYS 4064 Quantum Mechanics

Introduces the postulates of quantum mechanics and develops the Schroedinger equation along with angular momentum theory and perturbation techniques. Cases of special interest are studied including the hydrogen atom, the harmonic oscillator, and the Born approximation for two body collisions. Lecture and laboratory. Prerequisite: PHYS 2164. IV

PHYS 4102 Senior Research in Physics

A capstone laboratory course involving independent research in atomic and molecular collisions. Students will typically modify existing apparatus and perform new measurements. Results will be presented in a formal paper. (½ course unit.) Prerequisite: PHYS 3101.

PHYS 4214 Independent Study in Physics

Study of a topic chosen by the student in consultation with a professor. The topic should be appropriate for an undergraduate major in content and level of difficulty, but should also be one that is not covered in other courses. Major pattern elective in physics. Standard or CR/NC grading. Prerequisites: Determined by topic.

Political Science**PS 1004 Introduction to Politics**

Provides an introduction to the world of politics by comparing different political systems and political ideologies. II Social Science

PS 1014 Introduction to U.S. Politics

A study of the organization and operation of the national government, the principles underlying our system, the complexity of big government, and the importance of national policy in individual daily life. II Social Science

PS 1024 U.S. State and Urban Policies

A study of the organization and operation of state and local governments and an examination of politics in these areas. The focus will be comparative.

PS 2194 International Politics

An examination of the interaction processes and structural factors of the international political system that affect the behavior of states. The role of diplomacy, international law and organizations, and war in the international system. Traces changes in the international system and the development of Soviet-American relations in the postwar period. IV

PS 2204 Canadian Parliamentary Internship

Students will work for five weeks as interns in the office of a member of the Canadian House of Commons or Senate, conducting research on public policy and attending committee meetings, party caucuses, and press conferences while living at the University of Ottawa. CR/NC grading. Prerequisite: PS 1004.

PS 2224 Research Methods for the Social Sciences

Introduction to the major aspects and issues of the research processes in the social sciences, including both quantitative and qualitative methods. Includes examination of selecting research problems, operationalizing concepts, research designs, methods of observation and analysis, reporting results, and ethical issues in research. Prerequisite: SOC 1004 or PS 1004. Also listed as SOC 2224. IV; V

PS 2234 Statistical Analysis for the Social Sciences

An introduction to and practice in using and evaluating quantitative analysis in the social sciences. Coverage includes univariate, bivariate, and multivariate analytic techniques. Focus on proper use and interpretation of these techniques. Computation will be performed on computer. No mathematical or computer background is necessary. Also listed as PSY 2234 and SOC 2234. IV

PS 2294 Special Topics in Political Science

The study of an area of inquiry in political science not fully treated in other courses. Topics may change from term to term and are announced in advance. May be repeated for credit as long as the topic is different. IV

PS 2504 Politics of the Middle East

Regional and international dimensions of politics and society in the Middle East and North Africa. Areas of study include the formation of nation-states; nationalism; the Arab-Israeli conflict and the Palestinian question; Islamic revival and political development; and the prospects for stability or change in the region. III A or IV

PS 3044 Modern Political Concepts, Methodology, and Analysis

Designed to acquaint the student with the variety of political concepts, methods, and analytical systems used in political science. Required of all majors in political science, who should plan to take it in their junior year. Prerequisites: PS 1004, 1014, and a course in comparative politics. IV

PS 3114 Political Theory I: Classical and Medieval

An examination of the foundations of the Western political tradition in Greek, Roman, and medieval thought. Focusing attention upon such major figures as Plato, Aristotle, Augustine, Aquinas, Machiavelli, Luther, and Calvin, explores the major questions and problems of political theory. Also listed as PHIL 3114. IV

PS 3124 Political Theory II: Modern

Surveys the development of political theory in the modern and contemporary periods, focusing on such major figures as Hobbes, Locke, Hegel, Marx, Sartre, Marcuse, and others. A chronological and logical extension of PS/PHIL 3114, but PS/PHIL 3114 is not a prerequisite. Also listed as PHIL 3124. IV

PS 3134 Congress and the Presidency

Describes and analyzes congressional and presidential elections and operations and congressional-presidential relations. Prerequisite: PS 1014. IV

PS 3144 The Legal System

Describes and analyzes the principal elements of the U.S. legal system, including state and federal courts, related legal institutions, and major civil and criminal legal standards. Prerequisite: PS 1014. IV

PS 3174 American Constitutional Development

A study of the historical origins and creation of the American Constitution and an examination of its development and modification since 1789, as seen through historical events and Supreme Court decisions. IV

PS 3214 Social Theory of Karl Marx

An examination of the critical and humanistic foundations of Marx's theory of society and politics. The course will focus topically on the major components of Marx's thought, including human nature, social relations, alienation, exploitation, the historical development of capitalist society, the role of the state and ideology, and visions of future society. Also listed as PHIL 3214. Prerequisite: PS 1004 or PHIL 1024. IV

PS 3234 The International System

An examination of international relations from the "system" level of analysis, this course will survey the historical and prospective evolution of the state-centric international system. It will investigate the interconnection between economics and politics as related aspects of a worldwide process of accumulating and distributing wealth and power. Prerequisite: PS 2194. IV

PS 3254 International Law

An advanced course dealing with the concepts and problems of international law, this course covers major topics in the field including the sources and subjects of international law, the jurisdiction of states, the use of force, and the relationship between international and domestic law. It will also address contemporary themes such as economic law, environmental law, and international criminal law. Prerequisite: PS2194, or permission of instructor. IV

PS 3264 Human Rights

This course examines human rights and humanitarianism intervention in world politics. It aims to enhance understanding of international human rights law at the domestic, regional, and international levels; investigate human rights violations, implementation, and enforcement throughout the world; and assess different perspectives on human rights by examining the Western liberal tradition and challenges presented by non-European cultures. Prerequisite: Sophomore standing or higher. IV

PS 3294 Special Topics in Political Science

Advanced coursework that treats with greater depth topics covered in other courses in political science. Topics may change from term to term and are announced in advance. While prerequisites will be expected, they will vary depending on course topic. May be repeated for credit as long as the topic is different. IV

PS 3304 Empires Past and Present

This course examines the phenomenon of empire in general and in the specific case of the United States. It investigates its alternative conceptions and addresses rival theories on the origins of imperialism and the source of imperial decline. It then focuses on America as a great power and assesses the appropriateness of theories of imperialism in understanding that experience. IV

PS 3314 Political Development

Examines the political problems of the developing states of Africa, Asia, and Latin America in a multidisciplinary context. Analyzes the process of development in terms of the interrelated political, economic, cultural, and social dimensions that affect it. Specific in-depth study of a few representative nations supplements the study of the general development process. Prerequisite: PS 1004 or permission of instructor. IV; V

PS 3334 Politics of Russia

An investigation of the domestic politics and foreign affairs of Russia and the newly independent states of Eurasia. Examines the role of ideology, historical evolution, economic development, imperial experiences, ethnic and national conflicts, legacies of totalitarian dictatorship, and the prospects for democracy in the post-Soviet period. Surveys the major institutions of government, processes of elite and mass participation, and important current political personalities, issues, and problem areas in contemporary Russia and the former Soviet republics. Prerequisite: PS 1004 or permission of instructor. IV; V

PS 3384 Topics in Comparative Politics

Specialized study in a topic of comparative politics, a subfield of political science characterized by an empirical approach using the comparative method. Topics may include, but are not restricted to political violence, political culture and attitudes, elections and electoral systems, political parties and party systems, and the political systems of specific countries or regions in the world not included in the department's regular offerings. Prerequisite: PS 1004 or permission of instructor. May be repeated for credit as the topic changes. IV

PS 3704 Directed Study in Political Science

Allows students to supplement their study of political science in areas not covered by existing course offerings. The project must be approved by all program faculty members prior to the student's registration for the course. The directed study will be executed under the supervision of the appropriate faculty member. Prerequisites: Five courses in political science, junior standing, 3.0 grade point average overall and in major courses, and permission of the program faculty.

PS 4202, 4204 Internship in Political Science

Offers supervised placements in legal, political, and governmental organizations. Substantive area of internship and course format chosen in consultation with program faculty. ($\frac{1}{2}$ or 1 course unit.) CR/NC grading. Prerequisites: PS 1004, 1014, and permission of instructor.

PS 4444 Senior Seminar

The culminating experience for the major in political science. Integrates theoretical, methodological, normative, and analytical aspects of the discipline. IV

PS 4904, 4908 Senior Honors

Provides an opportunity for the qualified political science major to do independent work in the field under the supervision of a faculty member. A senior who has taken seven courses in political science and who has a 3.0 grade point average overall and in major courses may apply to enter the program by submitting a project proposal and securing the permission of the faculty. The student may receive credit for either 1 or 2 course units, depending on the project, but may not receive credit for more than 1 course unit per term.

Kentucky Legislative Intern Program

These courses are offered in the winter term during sessions of the Kentucky General Assembly. The following courses are available to students selected to the Kentucky Legislative Intern Program, the Leadership Internship of the Association of Independent Kentucky Colleges and Universities, or some other accredited program. Prerequisite: PS 1024.

PS 3568 Kentucky Legislative Process in State Government

A two-unit course designed to acquaint students with the political dimensions of the General Assembly. In addition to weekly seminars and lectures, interns will work a minimum of 30 hours per week with experienced participants in the legislative process.

PS 3584 Research in Kentucky Politics

Preparation of a major paper on some aspect of Kentucky politics related to the experiences of the intern with the General Assembly. Topic is to be chosen in consultation with a faculty member in an appropriate discipline.

Psychology**PSY 1004 General Psychology**

This course is a prerequisite to all other psychology courses. A combined theoretical, experimental, and clinical approach to the science of human behavior. An introduction to the rudiments of psychology from a social science perspective. II Social Science

PSY 2001 Introduction to Psychological Research

An introduction to psychological research by collaborating on a research project of a faculty member or student, under faculty supervision. (1/4 course unit.) Course may be repeated twice for credit. Prerequisites: PSY 1004 and permission of instructor.

PSY 2034 Experimental Psychology of Learning

Survey of research design, method, and theory in the study of learning and motivation. Prerequisite: PSY 1004. IV; V

PSY 2054 Theories of Personality

A study of the development, structure, and dynamics of the personality. Major contemporary theories are surveyed with comparative and critical treatment. Prerequisite: PSY 1004. IV

PSY 2114 Human Development: Childhood and Adolescence

An exploration of dominant trajectories of, and individual differences in, physical, cognitive, and psychosocial development from infancy through adolescence; and how the contexts in which children and adolescents develop shape development and contribute to similarities and differences between developmental trajectories. Prerequisite: PSY 1004. IV; V

PSY 2124 Human Development: Adulthood

An exploration of physical, cognitive, and psychosocial development in adulthood through the lens of our cultural narratives, which lay out the tasks of adulthood as engaging in love, work, and parenthood, while dealing with aging and making sense of our lives. This course explores psychological, sociological, and cultural understandings of these tasks of adulthood as they impact individual development. Prerequisite: PSY 1004. IV; V

PSY 2224 Research Methods for Psychology

Introduction to the major aspects and issues of the research processes in psychology. Includes examination of selecting research problems, operationalizing concepts, research design, methods of observation and analysis, reporting results, and ethical issues in research. Lecture and laboratory. Prerequisite: PSY 1004. IV

PSY 2234 Statistical Analysis for the Social Sciences

An introduction to and practice in using and evaluating quantitative analysis in the social sciences. Coverage includes univariate, bivariate, and multivariate analytic techniques. Focus on proper use and interpretation of these techniques. Computation will be performed on computer. No mathematical or computer background is necessary. Prerequisites: PSY 1004 and PSY 2034 or 2224. Also listed as PS 2234 and SOC 2234. IV

PSY 2294 Special Topics in Psychology

An introduction to selected topics in psychology focusing on concepts and methods used by psychologists. Topics may include gerontology, neuropsychology, cognitive psychology, states of consciousness, and writings of major psychological theorists. Directed by a faculty member having specific competence in the topic under study. May be repeated for credit as long as the topic is different. Prerequisite: PSY 1004. IV

PSY 2304 Evolutionary Psychology

An examination of the contribution of evolutionary history to human behavior. Evaluates the extent to which current behavioral phenomena can be explained by human evolution, by current cultural trends, or by a combination of the two, and explores the role that ideology plays in interpreting behavior. Prerequisite: PSY 1004. IV

PSY 2324 Cultural Psychology

An examination of culture and psychological processes as mutually constituting agents. The course is positioned within broad themes, including diversity in psychological functioning, cultural grounding of psychological experience and processes, and psychology of culture. Topics include self and identity, human development, relationships, emotions, cognition and perception, and motivation and health. Prerequisite: ANTH 1024 or PSY 1004. Also listed as ANTH 2324. IV

PSY 2504 Human Sexuality

Explores the psychological and physiological aspects of human sexual behavior. Emphasis is placed on the cultural and biological diversity of sexual expression. Prerequisite: PSY 1004. Also listed as WS 2554. IV

PSY 2524 Psychology of Gender

Provides students with an overview of psychological research and theory on gender. The course provides analysis of the myths and stereotypes associated with women and men in society, the social and psychological gender differences that have been identified in the research, and the evidence and theoretical arguments concerning the origin and functional implications of these differences. Prerequisite: PSY 1004. Also listed as WS 2524. IV

PSY 2534 “Doing Gender” in Marriage

An examination of the ways in which gender is activated and enacted in the institution of marriage in the United States from psychological, sociological, and historical perspectives. Uses a feminist lens to emphasize the roles of psychological and interactional processes between partners, and of cultural narratives and social institutions, in the experience of “doing gender” in marriage. Promotes the goals of authenticity and mindful decision-making as strategies for maximizing success in long-term partnerships. Prerequisite: PSY 1004. Also listed as WS 2534. IV

PSY 2544 Stereotyping and Prejudice

Explores social psychological research on how cultural beliefs about the relative value and nature of different socio-demographic groups transform stereotyping and prejudice (individuals’ cognitive in-group/out-group categorization processes) and give rise to systems of power, privilege, and oppression. Students will examine origins, maintenance, and cognitive underpinnings of stereotypes, racism/white privilege, sexism, and heterosexism, as well as research on effective prejudice reduction techniques. Prerequisite: PSY 1004. IV

PSY 3004 Social Psychology

An overview of theory and research in social psychology. Topics include the self, social perception, conformity, attitudes and attitude changes, prejudice, aggression, altruism, interpersonal attraction, and intergroup conflict. Prerequisite: PSY 1004. IV

PSY 3034 Psychological Testing

The methods, assumptions, and problems involved in psychological measurement and personality evaluation. A number of representative tests are used to study the underlying rationale for psychological testing and the construction, administration, interpretation, and evaluation of psychological tests. Prerequisite: PSY 1004. IV

PSY 3044 Industrial/Organizational Psychology

Applications of psychology in organizations. Attention to topics such as motivation, leadership, personnel selection and training, job analysis, human relations, human engineering, and the psychology of organizations. Prerequisite: PSY 1004. IV

PSY 3054 History of Psychology

A survey of the major historical antecedents of contemporary psychology, with emphasis on the development of systematic viewpoints in the nineteenth and twentieth centuries. Prerequisite: PSY 1004. IV; V

PSY 3124 Abnormal Psychology

A study of psychopathology considering the possible cause of emotional disturbances, with techniques of diagnosis and theory employed. Prerequisite: PSY 1004. IV; V

PSY 3134 Motivation and Emotion

Motivation theory and research attempts to answer the Big Question in psychology: Why do people do the things they do? This course explores the sources of motivation, why motivation varies between individuals and within one person from time to time, and how to increase motivation and enhance its quality. Prerequisite: PSY 1004. IV

PSY 3214 Issues in Developmental Psychology

An in-depth exploration of a particular topic or issue in developmental psychology. The topic (and therefore the prerequisites) may change from term to term and will be announced in advance. May be repeated once for credit as long as the topic is different. Prerequisite: Any 2000/3000-level PSY course or PSY 1004 and permission of instructor. IV

PSY 3244 Health Psychology

Focuses on the relationship of behavioral factors on health and longevity and how behaviors and attitudes have an impact on the quality of our lives. The course will cover how psychological theory and research are used to develop interventions to assist patients in maintaining healthy lifestyles and coping with and managing chronic health problems. Preventing disease will also be a major focus. Among the topics covered will be stress, cardiovascular disease, substance abuse, obesity, and many others. Prerequisite: PSY 1004. IV

PSY 3304 Biopsychology

A survey of biological mechanisms underlying behavior. Topics to be covered include brain anatomy and physiology, physiological processes underlying psychological and neurological disorders, effects of drugs on brain

function, physiology of emotions and motivation, and hormonal influences on behavior. Prerequisite: PSY 1004. IV; V

PSY 3324 Experimental: Sensation and Perception

Introduction to design, methods, and theory in experimental psychology; consideration of critical experiments and research methods in the study of sensory and perceptual processes. Prerequisite: PSY 1004 and PSY 3304. IV; V

PSY 3354 Behavioral Pharmacology

A study of the use and abuse of psychoactive drugs. Presents basic principles of pharmacology. Surveys the drugs used to treat psychological and neurological disorders. Also covers the recreational use of drugs and the problems associated with drug addiction and rehabilitation. Prerequisite: PSY 1004. IV

PSY 4004 Independent Research

Individual faculty supervision of student research. Course may be repeated once for credit. Students taking Independent Research for two terms may apply only one unit toward the 11 units required for the major. Prerequisites: PSY 1004, major in psychology, and permission of instructor.

PSY 4014 Theories of Psychotherapy

A survey of the basic principles and theories of psychotherapy and an introduction to counseling techniques. Prerequisites: PSY 1004, 3124, and permission of instructor. IV; V

PSY 4024 Developmental Psychopathology

Covers the major psychological and behavioral disorders of childhood and adolescence. Issues related to the etiology, conceptualization, course, and treatment of childhood maladaptation will be examined. Prerequisites: PSY 1004 and 2114. IV; V

PSY 4034 Issues

Different resource materials will be used to provide a basis for discussion of controversial topics in psychology that cover a gamut of interests. Audiotapes, videotapes, writings, and other materials are used. May be repeated once for credit. Standard or CR/NC grading. Prerequisites: PSY 1004, major in psychology, junior or senior standing, or special permission of instructor. IV

PSY 4044 Interpersonal Psychology

Focuses on interpersonal psychology's theoretical and empirical analysis of personality organization, including this model's approach to conceptualizing psychopathology, assessment strategies, and psychotherapy. Prerequisites: PSY 2054 or 3124, major in psychology, junior or senior standing, or permission of instructor. IV

PSY 4204 Internship in Psychology

Supervised placement of students in organizations or industries employing professional psychologists. Provides students with the opportunity to see how psychology is practiced in the community and lets them apply material from their courses in a work setting. An academic requirement relating psychological theory to practice is included in the internship. CR/NC grading. Prerequisites: PSY 1004 and 4 units in psychology.

PSY 4444 Senior Seminar in Psychology

The culminating experience for the psychology major, designed to integrate and advance knowledge gained from previous courses. A systematic examination of significant current issues in theory, research, and application. Prerequisites: PSY 1004, major in psychology, and senior standing. IV; V

PSY 4904, 4908, 4912 Senior Honors in Psychology

A creative exploration in psychology. Students pursue an area of interest to satisfy their own intellectual curiosity and to challenge and expand their knowledge of psychology. (1, 2, or 3 course units.) Prerequisites: PSY 1004, senior standing, a major in psychology, permission of instructor, 3.5 grade point average in major, and a 3.0 overall grade point average.

Religion

REL 1014 Introduction to Religion

An introduction to and exploration of what “religion” means, what it means to live religiously, and what it means to study religion from an academic perspective. Areas of focus include (but are not limited to) notions of the sacred as manifested in symbol, myth, doctrine, text, and ritual. II Humanities

REL 1054 The Judaeo-Christian Heritage

A survey of the historical development of the Jewish and Christian religions and their relationship to one another from the first century of the common era to the present. II Humanities or III B

REL 1134 Foundations of Asian Religions

An introductory course designed to provide students with a basic understanding of the ideas and practices that shape several Asian religious traditions. Focuses primarily on Hindu, Buddhist, Confucian, and Taoist traditions; attention also given to Jain, Sikh, and Shinto traditions. II Humanities or III A

REL 2024 The Bible

An examination of the development and meaning of the Hebrew and Christian scriptures. By reading the biblical text critically and appreciatively, students better understand the Bible—its content, its cultural environment, its vision of life, and its relevance for today. IV; V

REL 2122 Religious Biography

A study and evaluation of selected figures in religion. The intention is to discern the interrelatedness of religious and personal formation in the development of thought and in action. ($\frac{1}{2}$ course unit.)

REL 2154 Gender Roles in Religious Life

An exploration of the relationships and roles of women and men in the context of religious life, paying attention to the way male perspectives have dominated many areas of formal religious discourse, but also noting the dissenting voices of women often hidden in alternative forms of expression. After reviewing selected contemporary theories about the evolution of gender roles and the dynamics of gender relationships, the course will focus on the Christian and Hindu traditions, and then conclude by examining selected writings from other traditions. IV; V

REL 2204 Christian Worship

An introduction to the nature and history of Christian worship, with an overview of the basic elements of Christian worship and how they shape the Christian identity. Particular focus on the development and ongoing practice of baptism and eucharist (Lord’s Supper) in the church. Course enables students to locate and appreciate individual traditions within the larger and inclusive liturgical tradition. IV; V

REL 2294 Special Topics in Religion

The study of a seminal figure, school of thought, era, issue, or topic of interdisciplinary interest not fully treated in other courses. Topics will be announced in advance. May be repeated for credit as long as the topic is different. IV

REL 2304 Major Thinkers

The exploration of a major theologian or thinker crucial to the development of a religious school of thought, seminal idea, or doctrine in a particular religious tradition, who is not fully treated in other courses. May be repeated for credit as long as the designated thinker is different. IV

REL 2314 Biblical History and Archaeology

An examination of the historical and archaeological records of the ancient Near East that relate to the Biblical period (circa 1800 BCE to 135 CE). Students will gain an understanding of how the study of history and archaeology affects the interpretation of the Bible. IV

REL 2324 Journey Through the Bible

An examination of the history, geography, and archaeology of the Biblical world (circa 1800 BCE to 135 CE) by studying and traveling to the land of the Bible (Israel). This is a May term travel course. IV

REL 2344 Jewish-Christian Relations

Examines the tragic and bloodstained history of the relationship of Christianity—beginning with its inception as a Jewish sect and culminating in the Holocaust—to Judaism. Two questions will frame our thought: How is it that a Jewish sect, whose “founder” was a Jewish rabbi, had within less than a century become avidly and outspokenly

anti-Jewish? Was the Holocaust an inevitable consequence of the long, entrenched Christian tradition of anti-Judaism? IV

REL 2414 The Hebrew Bible

An examination of the collection of literature that is called the Hebrew Bible (Tanak) in the Jewish tradition and the Old Testament in the Christian tradition. Students will gain an understanding of Israelite history, major religious ideas of the text, and knowledge of and experience in interpreting the Hebrew Bible both critically and appreciatively. Must have at least sophomore standing. IV

REL 2424 The New Testament

An examination of the collection of 27 books that is called the New Testament by the Christian tradition. Students will gain an understanding of the formation of the early church, major religious ideas of the text, and knowledge of and experience in interpreting the New Testament both critically and appreciatively. Must have at least sophomore standing. IV

REL 2504 Ancient Chinese Thought

Between the sixth and the second centuries BCE, China burgeoned with philosophical schools and their texts. Students will read those texts closely and critique them, concentrating especially on the Analects, the Chuang-Tzu, the Mencius, and the Hsun-Tzu. Special emphasis will be placed on how the traditions such texts represent react to each other as they develop increasingly sophisticated defenses of their positions. The course will also attempt to identify, assess, and avoid popular Western readings of the Chinese philosophical tradition by, in part, incorporating recent historical findings and textual apparatus. Also listed as PHIL 2504. III A or IV

REL 2524 Islamic Religious Traditions

An exploration of Islamic identity, religious expressions, and institutions. Topics of study include the life of Muhammad, the nature and teachings of the Qur'an, and Islamic sectarian identities. III A or IV

REL 2534 Hindu Religious Traditions

A survey of the history, practices, ideas, and social institutions associated with the variety of Hindu religious traditions. Students will learn about the Indus Valley civilization and the Aryan settlement of the Indian subcontinent. Discussions will focus on the development of classical Hindu India. Students will read foundational texts in English translation as well as selections from modern Indian thinkers such as Aurobindo, Radhakrishnan, Vivekananda, Gandhi, and Ambedkar. III A or IV; V

REL 2544 Buddhist Religious Traditions

An examination of the philosophical and historical roots of classical Buddhism, its sectarian developments, and its spread from India to other countries. Topics of study include the life of Guatama; the nature of suffering, or the self, and of mind; gender issues in the religious community; and the nature of devotion. III A or IV; V

REL 3024 The Synoptic Gospels

Through a systematic reading of the Synoptic Gospels (Matthew, Mark, and Luke), students will develop critical skills in analyzing and appreciating these canonical texts. The synoptic problem, redaction criticism, and the unique theological perspective of each Gospel will be highlighted. IV

REL 3054 Philosophy of Religion

A discussion and lecture course dealing with the intellectual problems of religion (such as those of God, freedom, faith, immortality, evil, and religious knowledge). Time is also given to a study of the various schools of religious philosophy. Also listed as PHIL 3054. IV; V

REL 3074 Christian Theological Reflection

Primarily designed to encourage theological reflection about the Christian faith by acquainting students with several of the classic doctrines (God, Christ, Holy Spirit, and Church), by reading representative theologians (Augustine, Aquinas, Calvin, Schleiermacher, and Barth) who have significantly shaped the development of those doctrines, and by constructing theological arguments. IV; V

REL 3214 Quest for the Historical Jesus

An exploration of the perennial question that Christians, or any reader of the Gospels, must ask: Who is Jesus? After reading portraits of the historical Jesus proposed by representative scholars of the "third quest for the historical Jesus" (from the 1980s to the present), their responses will be examined and evaluated. IV

REL 3454 The Gospel of John

Through a systematic reading of the Gospel of John, students develop critical skills in analyzing and appreciating the biblical text. John's unique literary and theological perspective and the distinctions between John and the other gospels will be highlighted. IV

REL 3534 The Qur'an

Students will read the Qur'an and work with various ways of reading it. Beginning by situating the Qur'an in the context of revelation and prophecy, the class will learn about Prophet Muhammad before turning to themes within the Qur'an itself. This will be followed by an investigation of the ways the Qur'an has been interpreted and used by Muslims in various cultural contexts. Prerequisites: REL 1014 and 2134 or 2524, or permission of instructor. IV

REL 4014 Independent Study

Readings on an approved topic. The student will submit an evaluative paper. Prerequisite: Permission of instructor.

REL 4204 Internship

Internship experience. The student will submit an evaluative paper. CR/NC grading. Prerequisite: Permission of instructor.

REL 4444 Seminar in Religious Studies

A seminar designed to encourage student initiative, research, and responsibility in probing, independently and with others, the vital areas of the study of religion. Topics change each time the seminar is offered and include concentration on theological, ethical, biblical, historical, ecumenical, interdisciplinary, and intercultural concerns. May be repeated for credit. IV

REL 4904, 4908, 4912 Senior Honors in Religion

Independent study on a given problem chosen in consultation with the instructor, with tutorial conferences. (1, 2, or 3 course units.) Prerequisites: Senior standing, 3.3 grade point average in major courses, at least 4.5 course units in religion, and permission of instructor.

Sociology**SOC 1004 Introduction to Sociology**

An introduction to the sociological perspective on social life. Focuses on the relations between the individual and social forces, identity and socialization, deviance, group dynamics, social institutions, and social change, including coverage of the major forms of social inequality. II Social Science

SOC 1054 Cultural Geography

Provides an introduction to the study of spatial distributions of people on earth, including population trends, migration, land-use, urbanism, and changing global systems. This is an introductory course without prerequisites. Also listed as ANTH 1044. III A

SOC 2224 Research Methods for the Social Sciences

Introduction to the major aspects of the social science research process, including ethical issues in research, problem selection, operationalizing concepts, research design, population sampling, methods of data collection and analysis, and reporting findings. Prerequisite: Any introductory social science course. Also listed as PS 2224. IV; V

SOC 2234 Statistical Analysis for the Social Sciences

An introduction to and practice in using and evaluating quantitative analysis in the social sciences. Coverage includes univariate, bivariate, and multivariate analytic techniques. Focus on proper use and interpretation of these techniques. Computation will be performed on computer. No mathematical or computer background is necessary. Prerequisite: SOC 2224. Also listed as PS 2234 and PSY 2234. IV

SOC 2244 Social Problems

An introduction to the nature, causes, and possible solutions to important social problems. Problems studied typically will include various forms of social inequality, crime, drug abuse, domestic violence, environmental pollution, and war. Prerequisite: SOC 1004. IV

SOC 2314 Sociology of Race and Ethnicity

An examination of the history, causes, and dynamics of relations between the numerous ethnoracial groups in the United States. Topics range from the processes of identifying minority status, ethnoracial group identity, discriminatory behavior, and structured inequality to proposed changes for the future. Prerequisite: SOC 1004, ANTH 1024, or permission of instructor. IV; V

SOC 2344 Social Interaction

A micro-sociological examination of the impact of socio-cultural environment on the social self, on interpersonal interaction, and on the structure and dynamics of primary and small groups. Prerequisite: SOC 1004. IV

SOC 2414 Sociology of Gender

Intensive study of how social relations between males and females are organized, lived, and understood in the United States, with some emphasis on historical and cross-cultural comparison. Topics include gender socialization, masculinity and femininity, gender at work and in the family, and sex and gender inequality and change. Prerequisite: SOC 1004. Also listed as WS 2414. IV; V

SOC 2444 Deviance, Disorder, and Conflict

A critical examination of those aspects of society that are not orderly, patterned, and predictable—specifically, deviant behavior. Causal theories explaining deviance/disorder will be emphasized along with the power dynamics involved in defining this disapproved realm. An in-depth investigation of select examples of “alternative” social behaviors will be included. Prerequisite: SOC 1004. IV; V

SOC 2514 Human Service Organizations

An introduction to the goals, structure, administration, and policy issues of human services including social welfare, health, education, and criminal justice. Includes observation in local agencies. Prerequisite: SOC 1004. IV

SOC 2614 Sociology of Mass Media

An overview of the institution of mass media and communication. Topics include the structure of mass media ownership, the types, uses, and effects of mass media, and current debates about the influence of mass media on social life. Prerequisite: SOC 1004 or permission of instructor. IV; V

SOC 2644 Social Change and Social Movements

A wide-ranging examination of the history, causes, and dynamics of social change and social movements. Emphasis is placed on analyzing and interpreting changes and movements in the past 200 years, with special focus on current movements as they respond to the results of past and present social dynamics. Prerequisite: SOC 1004, PS 1004, or 1014. IV

SOC 2814 The Family—Past, Present, and Future

An examination of the family as a major social institution, including the development of family norms and values, the ideology of love, sex-role socialization, courtship and marriage, parenting, and alternatives to the traditional form. Prerequisite: SOC 1004. IV; V

SOC 2934 Gender, Culture, and the Social Body

Investigates sociological and anthropological perspectives on the body. Topics include an analysis of body modification and alteration, (diet, exercise, bodybuilding, scarification), and bodily decoration (tattooing, body paint, jewelry, ceremonial clothing). The course poses questions such as: How are issues of power and domination written into cultural scripts about ideal forms? How does bodily decoration convey gendered meanings and statuses? Explores how processes of development and capitalism have transformed understandings and attitudes about beauty, clothing, and the “ideal” body. Prerequisite: ANTH 1024 or SOC 1004. Also listed as ANTH 2934 and WS 2934. IV

SOC 3104 Social Theory

In-depth, critical examination of the major schools of social theorizing, including symbolic interactionism, structural functionalism, and Marxism and conflict theory. Includes recent attempts to synthesize strands of modern theory and postmodern theory. Prerequisites: SOC 1004 and two 2000-level SOC courses or permission of instructor. IV

SOC 3134 Topics in Sociology

In-depth study of a selected topic area of sociology. May be repeated for credit as long as the topic is different. Prerequisite: SOC 1004. IV

SOC 3214 Criminal Justice System

Focuses first upon the “traditional” processes by which behaviors are defined as illegal; citizens’ behavior is monitored to enforce the definitions; the official labels are applied to specific individuals; and perpetrators of the labeled behaviors are responded to. A “critical” approach then extends the analysis to issues of political manipulations and corruption in the legislative, adjudicative, and enforcement processes, as well as the counterproductive nature of the U.S. corrections system. Prerequisites: SOC 1004 and 2444. IV

SOC 3244 Social Inequality and Stratification

Analysis of evidence and theories of current forms of social differentiation, including status, class, ethnoracial, gender, political, and life chance inequalities. Topics include poverty and social mobility, interrelations of different forms of inequality, stasis and change in stratification systems, and proposals for redressing illegitimate forms of social inequality. Prerequisites: SOC 1004 and two 2000-level sociology courses or permission of instructor. IV; V

SOC 3314 Sociology of Medicine

An investigation of the sociological factors involved in the causes, treatments, and outcomes of physical and emotional illness as well as an analysis of the structure and processes of the U.S. healthcare delivery system. Prerequisites: SOC 1004 and two 2000-level sociology courses or permission of instructor. IV; V

SOC 3404 Sustainable Development

Explores the concept of sustainable development, from the beginning of the era of international development following WWII to the present. The course explores the challenges involved in creating sustainable development, from the socio-cultural issues and environmental concerns to the definition of sustainability. Case studies will help highlight these issues. Prerequisite: ANTH 1024 or SOC 1004. Also listed as ANTH 3404. IV; V

SOC 3424 Appalachia and the Environment

From the beginning of human habitation to the present, the physical landscape of Appalachia has shaped the culture and society of Appalachian peoples. This course examines the relationship of the physical and cultural aspects of Appalachia, from Ice Age hunters to the present. Recent environmental and anti-environmental movements are discussed. Using anthropological, geographical, and sociological literature, students will develop an understanding of the complex relationship of the physical and cultural landscapes, examine the power of historical trends and legacies, and critically examine stereotypes and commonly held beliefs about the region. Prerequisite: ANTH 1024 or SOC 1004. Also listed as ANTH 3424. IV

SOC 3744 Population Dynamics

Examines the population dynamics (fertility, mortality, and migration) determining the size, composition, and characteristics of human societies, both national and global. The theory of the demographic transition is examined critically and analyzed as a series of transitions that have complex interrelations central to the human experience today and in the future. Focus is placed on the impacts and consequences of these transitions on social, cultural, economic, environmental, and political systems. Prerequisite: SOC 1004. IV

SOC 4204, 4208, 4212 Internship in Sociology

A program offering the student supervised placement in organizations providing social services in casework, group work, community organization, administration, and research. Provides an opportunity to work in social sciences and apply principles of other sociology courses. Substantive area of internship and organization to be chosen in consultation with internship supervisor. (1, 2, or 3 course units) CR/NC grading. Prerequisites: SOC 1004, 4 course units in SOC or ANTH, and permission of instructor. A total of 3 course units may be counted toward major requirements.

SOC 4304 Independent Study

Individual faculty supervision of student research and practice in a selected area of sociology. May be repeated once for credit. Prerequisites: SOC 1004 and permission of instructor.

SOC 4444 Senior Seminar/Capstone

A systematic examination of significant problems or issues at the forefront of sociology theory or research. Emphasis on supervised student research and analysis. Prerequisites: SOC 1004, 4 course units in sociology or anthropology, and advanced junior or senior standing in sociology or sociology/anthropology. IV

Spanish (see Foreign Languages)

Theater

THEA 1001 Theater Practicum

Guided participation, for theater productions, in performance, stage management, or crew work on sets, lights, props, costumes, or makeup. A minimum of 40 hours required. May be repeated for up to a maximum of 2 course units. (¼ course unit each.) CR/NC grading.

THEA 1104 Introduction to Theater

A study of plays in performance through both theory and practice. The means and methods of play-making—from scripting to acting to designing to directing—are examined. The history of selected movements and styles in drama and theater is explored to develop an understanding of, and a critical appreciation for, live performance as a unique aesthetic. II Fine Arts

THEA 1214 Preparing to Act

An introductory survey of the theory and practice of acting, with emphasis on action, reaction, and interaction. Performance of scenes and monologues from realistic plays provide opportunities for training in concentration, relaxation, motivation, textual analysis, vocal development, and physical presence. II Fine Arts

THEA 1314 Technical Theater

The study of the basic elements of technical theater, with application to selected examples of dramatic literature. Specifically considered will be fundamentals of set and property construction, lighting and sound technology, costuming and makeup, and backstage organization. Problem-solving techniques for specific play productions will be emphasized. Concurrent registration in THEA 1001 is required. II Fine Arts

THEA 1524 Imagining the Production

Explores theatrical strategies in more than a dozen dramatic texts selected from numerous cultures over the past 2,500 years. Plays will be studied in the context of dramatic theories, theater practicalities, and playwrights' individual talents. Texts will be treated in class as literary blueprints meant to be interpreted, read aloud, performed, and produced as they were in their own time and could be today. II Fine Arts

THEA 1624 Dramaturgy

Dramaturgy is a process of artistic and critical exploration involving research, criticism, and collaboration on play analysis and production in the American theater. Students learn to bridge the divide between humanities research and theater rehearsals as they focus on artistic interpretation and audience impact. Students edit a theater program, curate an exhibit, compile an actor packet, and prepare a dramaturgical casebook. Students also attend performances and study dramaturgical practices at theaters in the region. II Fine Arts

THEA 2204 Spectator as Critic

Explores creative writing as it pertains to the theatrical critique, specifically addressing the role of theater critic as a neutral party, the methodology and rhetorical strategies employed, the importance of crafting a thorough and representative review, the psychological impact of a good or bad review on a potential audience member, the practical effects of a review on a company or a production, the timing of a review, and the opportunities for publication (both in print and digital media). Student will examine and dissect contemporary theatrical reviews, research prominent critics, and watch 3-4 productions, crafting thoughtful and engaging reviews for each. Prerequisite: THEA 1104. II Fine Arts

THEA 2224 Building a Character

An advanced acting course, designed to develop the actor's ability in applying style, tempo, and originality toward the creation of a character on stage. Performance of scenes and monologues selected primarily from classical plays offer challenges in textual interpretation and gestural emphasis, vocal expression, and physical embodiment. Prerequisite: A full-unit Fine Arts course. IV

THEA 2234 Creative Dramatics

The study of improvisational theater as a means to explore dramatic structure, character attributes, themes, language, sounds, and physicalization. This course is designed to improve acting skills, enhance imagination, and encourage collaboration. Active participation essential. Public performances will occur throughout term. No prior acting experience necessary. Prerequisite: A full-unit Fine Arts course. IV

THEA 2292, 2294 Special Topics in Theater

In-depth study of a particular topic in drama and theater, and the theories and methods used to study that topic. Possible subjects include genre studies; musical theater; political theater; Eastern Theater forms; theatrical make-up and mask-making; costume history; and children's theater. (½ or 1 course unit.) Prerequisite: A full-unit Fine Arts course. IV

THEA 2324 Theater Design

Basic principles and practices of designing for the stage, including the scenic, lighting, and costume elements of a theatrical production. Emphasis is placed on design procedures, research techniques and materials, period styles, design history, drafting and rendering skills, and application of design concepts to specific plays. Concurrent registration in THEA 1001 is required. Prerequisite: A full-unit Fine Arts course. IV

THEA 2364 World Design: Asian Scenic

Study of the visual language and the cultural and critical aesthetic of world approaches to scenic design. The specific focus on Asia will guide students through an in-depth exploration of the history, values, beliefs, artistic influences, and contemporary mindset of Japanese, Indonesian, Chinese, and Indian cultures. Students will broaden their knowledge of scenic design practices, gain awareness of aesthetic cultural heritage, and expand their understanding of what is viewed as beautiful. Prerequisite: THEA 1104. III A or IV

THEA 3072, 3074 Special Projects in Theater Arts

Individual projects in performance, design, technical production, or theater history designed to permit the qualified student to explore more thoroughly specific problems in a given area. (½ or 1 course unit.) May be repeated for credit up to a maximum of 2 course units. Prerequisite: Permission of instructor.

THEA 3244 Creating a Role

An advanced-level course in acting. Through selected examples, students will develop acting techniques suitable for performing various styles and genres, such as Greek tragedy, realism, high comedy, farce, Brechtian epic theater, musical theater, theater of the absurd, and acting for the camera. Résumé and audition material preparation will also be stressed, as well as performance at regular intervals. Prerequisite: THEA 2224. May be repeated once for credit. IV

THEA 3314 Advanced Design

Advanced level design course with intensive study of a specific area of theatrical design, selected from one of the following areas: scenic, lighting, costume, or makeup. May be repeated for credit in different design area. Specific area offered on a rotating basis and/or upon student request and faculty availability. Prerequisites: THEA 2324 and permission of instructor. IV

THEA 3324 Shakespeare I

An intensive study of 8-10 plays drawn from the first half of Shakespeare's career. Will deal with selected histories, comedies, and tragedies up to about 1600. Prerequisite: ENG 2904 or permission of instructor. Also listed as ENG 3324. IV; V

THEA 3334 Shakespeare II

An intensive study of at least 10 plays from the second half of Shakespeare's career. Will deal with the problem comedies, mature tragedies, and tragicomedies. Prerequisite: ENG 2904 or permission of instructor. Also listed as ENG 3334. IV; V

THEA 3414 Fundamentals of Play Directing

The basic elements of directing for a proscenium theater, including play analysis for directors, techniques for actor development, and practical play production. Extensive classroom exercises for training in composition, picturization, movement, design, pacing, and casting, concluding with a public performance of a short scene. Prerequisites: THEA 1214 and 1314. IV

THEA 3424 Advanced Directing

Advanced elements of directing, with emphasis on staging for various actor-audience spatial arrangements, directing in period styles and classical genres, and developing effective rehearsal techniques, production schedules, and organizational collaborations. Prerequisites: THEA 3414 and permission of instructor. IV

THEA 3514 Modern Drama and Theater

A survey of modern dramatic literature and patterns in theater history during the nineteenth and twentieth centuries. Selected plays, staging styles, acting techniques, design aspects, and theatrical theory and criticism will be explored within cultural and historical contexts. Prerequisite: A full-unit THEA course. IV; V

THEA 3524 Classical Drama and Theater

A survey of classical dramatic literature and patterns in theater history from the fifth-century Greek era to the nineteenth century. Selected plays, staging styles, acting techniques, design aspects, and theatrical theory and criticism will be explored within cultural and historical contexts. Prerequisite: A full-unit THEA course. IV; V

THEA 3534 Playwriting

A practical course in writing a one-act play. Beginning with a scenario or outline of events, through the various drafts and rewrites, and concluding with a final version which will be given a public reading, each playwright will not only experience the process of writing a producible script, but also learn the aesthetic principles guiding the making of dramatic literature. Prerequisite: Any THEA course. IV

THEA 4004 Senior Seminar

This capstone course is designed to provide students an opportunity to synthesize work done throughout the major and engage deeply in a significant aspect of dramatic literature and criticism and/or theater history and practice. While the course focus will reflect interests of the instructor and needs of students, topics may include evolving trends in theater theory, theater and society, developing a poetics of performance, and related topical concerns. Students will generate an extended critical paper based on relevant research. Prerequisite: Senior status. IV

THEA 4204, 4208 Internship in Theater

Internship with professional profit or nonprofit theater company. Possible areas of experience include theater management (box office, marketing, fund-raising), acting, stagecraft, lighting or costume construction, and/or crews. CR/NC grading. Prerequisites: THEA 1314, 3414, or junior or senior standing and permission of instructor.

University

UNIV 1216, 1217, 1218 Off-Campus Study

This course designation is used to allow students to maintain full-time affiliation with Transylvania while participating in off-campus study programs. Academic credit earned via this designator is not applicable toward degree requirements and will be replaced by appropriate transfer credit from the off-campus institution.

UNIV 1219 Off-Campus Study: Semester at Seminary

Provides qualified students the opportunity to experience theological education prior to their decision to enter graduate school. Students explore their sense of calling and vocation while immersing themselves in the culture of the host seminary. Prerequisite: Junior standing and permission of instructor.

UNIV 1780 Creative Engagement Seminar

In order to develop the habits of a liberally educated, lifelong learner, all incoming students will participate in a series of orientation events hosted by their peer mentors and will choose 10 co-curricular events to attend on campus across the fall and winter terms. Qualifying co-curricular events include, but are not limited to, lectures and presentations by Transylvania faculty or visiting scholars and artists, plays, films, and concerts. (¼ course unit.) CR/NC grading.

UNIV 4001 Library Research Skills

Through a combination of lectures and personal assignments, all students will be introduced to the types of library resources used at the graduate level as well as examples of essential works in their fields. A review of basic library skills will be included.

Women's Studies

WS 1004 Introduction to Women's Studies

An introduction to the study of women in society emphasizing the current attempt of feminist literature in various disciplines to explore new ways of looking at the human experience from the perspective of women.

WS 2004 Feminist Philosophies

Covering authors from the 1700s through the present, this course will present a survey, exploration, and critical assessment of the varieties of philosophical thought orbiting around what have been known as the “woman question” and “feminism.” Topics may include educational reform, suffrage, equal rights, psychoanalysis, socialism, radical feminism, post-modernism, and feminist critiques of popular culture. Also listed as PHIL 2004. IV

WS 2044 Gender and Communication

The study of the role communication plays in genderization and the role gender plays in communication. Focus on relational interaction in interpersonal and organization contexts, on mass media messages, and on issues of socialization and power. Also listed as WRC 2044. IV; V

WS 2144 Women’s Literature

A survey of major issues in the study of women in literature, covering a representative sample of women writers. Questions will be raised about the nature and effects of patriarchal thinking on women and women writers, the ways in which women’s problems emerge in women’s writing, and the ways in which women writers image reality. Prerequisite: At least one ENG course. WS 1004 is recommended preparation. Also listed as ENG 2144. IV; V

WS 2154 American Women Writers and Ethnicity

A study of prose and poetry written by women in America: African-American, Asian, Chicana, American Indian, West and East Indian. The course focuses on questions raised about historicity, race, class, and gender, and the function of writing in addressing such social dynamics. Beyond this inquiry, the course addresses issues related to compound identities and communities, class position and education, the construction of sexuality, the formation of collective ethnic or racial consciousness, and women’s communities. Writers may include Hurston, Larsen, Morrison, Kingston, Erdrich, Andalzua, Mukherjee, and others. Also listed as ENG 2154. IV; V

WS 2294 Special Topics in Women’s Studies

An intensive study and exploration into specific topics in women’s studies that are not fully treated in other courses. May be related to a particular issue, historical period, or geographical area. Usually offered in May term, topics change and will be announced in advance. May be repeated for credit provided the period or topic is different. IV

WS 2314 Gender and Children’s Literature

Acquaints the student with issues related to the construction of gender in literature for children and young adults. The focus may change from term to term, so that gender issues in specific genres can be explored in-depth. Students will complete group projects and reflections on films and readings. Prerequisite: EDU 1004, 2024, WS 1004, or permission of instructor. Also listed as EDU 2314. IV

WS 2414 Sociology of Gender

Intensive study of how social relations between males and females are organized, lived, and understood in the United States, with some emphasis on historical and cross-cultural comparison. Topics include gender socialization, masculinity and femininity, gender at work and in the family, and sex and gender inequality and change. Prerequisite: SOC 1004. Also listed as SOC 2414. IV; V

WS 2524 Psychology of Gender

Provides students with an overview of psychological research and theory on gender. The course provides analysis of the myths and stereotypes associated with women and men in society, the social and psychological gender differences that have been identified in the research, and the evidence and theoretical arguments concerning the origin and functional implications of these differences. Prerequisite: PSY 1004. Also listed as PSY 2524. IV

WS 2534 “Doing Gender” in Marriage

An examination of the ways in which gender is activated and enacted in the institution of marriage in the United States from psychological, sociological, and historical perspectives. Uses a feminist lens to emphasize the roles of psychological and interactional processes between partners, and of cultural narratives and social institutions, in the experience of “doing gender” in marriage. Promotes the goals of authenticity and mindful decision-making as strategies for maximizing success in long-term partnerships. Prerequisite: PSY 1004. Also listed as PSY 2534. IV

WS 2554 Human Sexuality

Explores the psychological and physiological aspects of human sexual behavior. Emphasis is placed on the cultural and biological diversity of sexual expression. Prerequisite: PSY 1004. Also listed as PSY 2504. IV

WS 2714 Jane Austen and Film

Examines what Jane Austen's novels and their film adaptations reveal about both Regency England and the contemporary world. The course explores the novels in their original cultural contexts and asks how these novels speak to the interests, desires, and problems of today's culture. Students will read in detail four of Austen's novels and discuss the efforts of twentieth-century filmmakers to capture, edit, and update Austen's humor and wit for today's audiences. Also listed as ENG 2714. IV

WS 2934 Gender, Culture, and the Social Body

Investigates sociological and anthropological perspectives on the body. Topics include an analysis of body modification and alteration, (diet, exercise, bodybuilding, scarification), and bodily decoration (tattooing, body paint, jewelry, ceremonial clothing). The course poses questions such as: How are issues of power and domination written into cultural scripts about ideal forms? How does bodily decoration convey gendered meanings and statuses? Explores how processes of development and capitalism have transformed understandings and attitudes about beauty, clothing, and the "ideal" body. Prerequisite: ANTH 1024 or SOC 1004. Also listed as ANTH 2934 and SOC 2934. IV

WS 3044 Gender and Communication

The study of the role communication plays in genderization and the role gender plays in communication. The focus is on relational interaction in interpersonal and organization contexts, mass media messages, and issues of socialization and power. Also listed as WRC 3044. IV; V

WS 3124 Women in American Life and Thought

An examination of the role of women in American life and thought involving an analysis of the changing roles of women from the colonial era to the present. Focus on the varieties of women's experiences at every level of social life, in the professions, and in the family, as well as women's struggle for suffrage and equal rights. Prerequisite: HIST 1154 or WS 1004. Also listed as HIST 3124. IV; V

WS 3134 Women in Art

A study of major issues about women and art from the Renaissance to the present. Discussion will center on the nature of images made by women and on the social, political, and economic forces that shape women's work. Special emphasis will be placed on women as patrons, collectors, and models. Seminar format with extensive readings and research paper. Also listed as ARTH 3124. Prerequisite: ARTH 1124, 2144, or WS 1004. IV; V

WS 3144 Gender in European History

Investigates how understandings of gender have affected European women and men from the Enlightenment to the contemporary era. Topics covered may include the relationship of gender to the revolution, industrialization, imperialism, totalitarianism, and total war, as well as the role of gender in everyday life. Prerequisite: HIST 1024, 2144, 2154, WS 1004, or permission of instructor. Also listed as HIST 3144. IV

WS 3204 Reading and Representing Women's Lives

Directed toward students with previous work in women's studies scholarship and is open to students from any major discipline. Explores and critically assesses certain interdisciplinary aspects of women's studies that relate to the "reading" and representing of women's lives. Examines women's lives in the United States, and considers the possibilities and problems of locating similarities and differences among women in specific global contexts. Topics may include women's historical movements, global feminism, equal rights, health and bio ethics, violence against women, and feminist critiques of fine art and popular culture. IV; V

WS 3244 Global Feminisms

Designed to introduce students to women's issues, experiences, and activities from outside of the United States, focusing on areas generally understood to be part of the "Third World." Using an interdisciplinary and comparative approach, students will draw on various methods of analyzing and understanding the production of gender relations and the webs of power within which women's lives are situated. Cultural dimensions of gender and power will also be considered. Topics studied may include colonialism, globalization, maternity and reproductive rights, violence, population and poverty, sexuality and sex work, women's activism, and grassroots cooperatives. Each time the course is taught, the focus is on three major world regions, exploring the above issues within each one. Also listed as ANTH 3244. Prerequisite: WS 1004 or PHIL 2004. III A or IV; V

WS 3424 Women in Education

Examines the impact of women on philosophical foundations in the field of education and the subtle forms of sexism that undermine the education of girls and young women in current educational contexts. Students will examine work of historical and contemporary women philosophers to understand their unique contributions to the field of education. Students will also examine developmental needs of girls and current research on gender inequities within schools. Prerequisites: Completion of Area II Social Science and EDU 2014. Also listed as EDU 3424. IV; V

WS 3514 Gender in Cross Cultural Perspective

Provides analysis of the cultural conditions (both material and ideological) that shape the meanings underlying masculinity and femininity in various cultural contexts. Perspectives from Marxist and feminist theory, political economy, psychodynamic/psychological anthropology, and evolutionary psychology are utilized to understand gendered differences in cultural behavior. Prerequisites: ANTH 1024 or WS 1004; and at least 1 2000-level or above ANTH course. Also listed as ANTH 3504. III A or IV; V

WS 3534 Black Feminist Theory

Examines critical and theoretical issues in Black feminism from the nineteenth century to the present, focusing on the influential contemporary Black feminist intellectual tradition that emerged in the 1970s. From this perspective, students will explore certain themes and topics, such as work, family, politics, and community, through reading the writings of Black feminists. We will also study the ways in which women and men have worked together toward the eradication of race and gender inequality, among other systems of oppression, which have historically subjugated Black women. Although emphasis will be placed on Black feminist traditions in the United States and Britain, we will consider Black feminism in global perspective. Prerequisite: WS 1004, PHIL 2004/WS 2004, or permission of instructor. Also listed as PHIL 3534. III B or IV

WS 4204 Internship in Women's Studies

Designed to provide students with opportunities for learning and working in organizations in ways that connect their course work in women's studies to specific issues in community settings. This may include legal, medical, governmental, political, educational, or other organizations. Working with a women's studies faculty member, the student will design a project based on volunteer work in a community organization serving the needs of women. Throughout the term, the faculty member will closely supervise the student's work. CR/NC grading. Prerequisites: Three courses in the women's studies minor, including WS 1004, declared women's studies minor, and permission of instructor.

WS 4244 Directed Study in Women's Studies

Individual student reading and research in a selected area of women's studies. Allows students to supplement their study of women's studies in areas not covered by existing course offerings. The project must be approved by the director of women's studies as well as the student's academic advisor prior to registration for the course. The directed study will be executed under the supervision of the appropriate faculty member. Prerequisites: Four courses in the women's studies minor, including WS 1004, declared women's studies minor, and permission of instructor.

WS 4294 Advanced Studies in Women's Studies

This interdisciplinary course provides students with an examination of significant issues at the forefront of feminist theory and research, as well as the principal theoretical debates in women's studies. The course includes an overview of current research in women's studies, emphasizing theoretical and methodological issues, the development of women's studies as a field, the relationship of women's studies to traditional fields, and the nature of interdisciplinary research. It is designed primarily to encourage students to engage more deeply with questions that arise from the study of women's studies, as well as provide occasion for students to reflect on work done throughout the major or minor. The course also includes an independent, advanced research project, the topic of which will be chosen in close consultation with the instructor. Prerequisites: Junior or senior standing in women's studies and permission of instructor. IV

Writing, Rhetoric, and Communication**WRC 1004 Introduction to Communication**

Focuses on the ways we utilize communication in everyday interactions, including interpersonal communication, organizational communication, and persuasion. Both linguistic and nonverbal forms will be analyzed. Only open to first-year students and sophomores.

WRC 1024 Voice and Interpretation

A study of the cognitive, vocal, and non-verbal skills necessary to present effective oral interpretations of literature. Exercises in the use of the voice and body. Applied practice in interpreting prose, poetry, and drama. Standard or CR/NC grading.

WRC 1034 Public Speaking

A study of the selection, organization, preparation, and presentation of public address. Develops research skills, as well as skills in verbal and non-verbal communication of messages. Standard or CR/NC grading.

WRC 1044 Basic Writing

Concentrates on basic skills, including the ability to define a topic, to develop it coherently, and to write correctly. Emphasis on paragraphs and on short descriptive, expository, and persuasive essays, with attention to the improvement of reading skills. Not a substitute for Foundations of the Liberal Arts 1004 or 1104. Prerequisite: Permission of instructor.

WRC 1054 Introduction to Journalism

Not countable toward English major. Instruction and practice in writing news and feature material, with attention to journalism ethics, editorial writing, and the practices of gathering and evaluating news. Standard or CR/NC grading.

WRC 1064 Argumentation and Debate

The study of the structure and presentation of arguments, focusing on the utilization of argumentation techniques in debate settings. Research, evaluation, and utilization of evidence in support of claims. Development of cases. Reasoning, refutation, and debate strategies. Critical analysis of the arguments of others.

WRC 1071 Speech Practicum

Instruction and practice in competitive forensics. Students will compete in debate and/or individual events (possible categories include interpretation, limited preparation, and public speaking events). Students must take part in at least one tournament for credit. May be repeated 3 times. (¼ course unit.) Standard or CR/NC grading.

WRC 1112 Writing Laboratory

Concentrates on basic skills and forms of expository writing, emphasizing paragraphs and short essays. May be required of students whose writing, in the judgment of the Foundations of the Liberal Arts faculty, requires further attention beyond that available in FYS 1004 and 1104. May also be required of an upper-class student on the recommendation of an instructor, program director, or advisor. Admission of these students will require concurrence with the director of the Writing Center. Any student who registers for this course must complete it satisfactorily to graduate. There is no overload fee for enrollment in this course. (½ course unit.) CR/NC grading.

WRC 2001, 2002, 2003, 2004 Writing, Rhetoric, and Communication Practicum

Instruction and practice in writing, rhetoric, and communication. Specific content of the practicum will depend on the course designation and student need. Possible examples include Writing Center consultant training in pedagogical theory, publications instruction, and mass media involvement (¼, ½, ¾, or 1 course unit.) May accumulate up to 1 unit of credit in practicum experiences. Prerequisite: Permission of instructor or department chair.

WRC 2054 Intercultural Communication

The study of the ways people in different cultures communicate differently and the ways in which communication across these boundaries can be enhanced. Analysis of both verbal and non-verbal communication styles, with an interest in interpersonal, organizational, and governmental interactions. IV; V

WRC 2074 Fiction Workshop

An introductory study of the conventions that shape fiction combined with extensive practice in using these conventions. Conducted as a workshop, the course will involve regular writing and discussion of the work produced by the student writers themselves. Students wishing to enroll must present satisfactory evidence of motivation and serious interest in creative writing. Standard or CR/NC grading. Also listed as ENG 2074. IV

WRC 2084 Poetry Workshop

An introductory study of the conventions that shape lyric poetry combined with extensive practice in using these conventions. Conducted as a workshop, the course will involve regular writing and discussion of the work produced by the student writers themselves. Students wishing to enroll must present satisfactory evidence of motivation and serious interest in creative writing. Standard or CR/NC grading. Also listed as ENG 2084. IV

WRC 2214 Business Writing

Designed to help students develop skills in writing, especially for business and industry. IV

WRC 2294 Special Topics in Writing, Rhetoric, and Communication

Introduction to selected topics in communication focusing on concepts and methods used by communication scholars. Potential topics include listening, communication and gender, cross-cultural communication, and rhetorical theory. May be repeated for credit as long as the topic is different. IV

WRC 2314 Writing for Writing's Sake

Brings writers together for the pleasure of reading and talking about writing (not to mention the joy of actually devoting time to doing it). This course examines the writing life and offers writers a chance to do what they love to do. Students will write and share, and will polish a portion of their writing for the purpose of compiling an end-of-term collection of the workshop's best and most interesting efforts. IV

WRC 2334 Rhetoric of Resistance

After a brief overview of some key rhetorical principles, this course will examine the practices and strategies utilized by individuals, groups, and movements who have challenged and are challenging concentrated interests of power. Specifically, it examines the South African and international anti-apartheid movement, those individuals and groups who opposed U.S. foreign policy in Latin America during the Cold War and who are continuing to oppose it today, and finally, a courageous group of women in Argentina who publicly challenged the brutal military regime in their country. Examines a wide variety of rhetorical "texts," including newspaper articles, underground pamphlets, songs, films, autobiographies, documentaries, photographs, human rights reports, performances, speeches, and books. In addition to reading and viewing these texts, this course will consist of short writing assignments, brief presentations to the class, and a final project. Interdisciplinary course appropriate for those interested in the fields of rhetoric, communication, political science, history, and women's studies. IV

WRC 2354 Rhetoric I: Introduction to Classical Rhetoric

An introduction to the art of rhetoric—a discipline concerned, as Aristotle once wrote, with "observing in any case the available means of persuasion." Via close reading, short response papers, group discussions, and a project that employs both a written and spoken component, participants will not only develop a working vocabulary of some of the terms and techniques associated with classical rhetoric but also have ample opportunities to see how such elements function in contemporary texts. Helpful for anyone interested in writing successful arguments regardless of academic discipline. Prerequisites: FYS 1004 and 1104. IV; V

WRC 3024 Nonverbal Communication

The study of the way we communicate without and beyond words. The various types of non-verbal behavior, including body language, gestures, paralanguage, and space utilization, will be examined in order to increase understanding of intracultural and cross-cultural communication. Prerequisite: WRC 1004 or permission of instructor. IV; V

WRC 3034 Organizational Communication

The study of the ways in which communication affects organizations. Analysis of organizational theory. Focus on concepts of group work, leadership, motivation, formal and informal systems, external and internal audiences, organizational technologies, and interpersonal communication in organizations. Practical application through analysis of a particular organization. Prerequisite: WRC 1004 or permission of instructor. IV; V

WRC 3044 Gender and Communication

The study of the role communication plays in genderization and the role gender plays in communication. The focus is on relational interaction in interpersonal and organization contexts, mass media messages, and issues of socialization and power. Also listed as WS 3044. IV; V

WRC 3064 Persuasion

The study of persuasion, with an emphasis on the receiver's role. Focus on critical analysis of persuasive messages. Develop understanding of persuasion theory as it relates to individuals, groups, and movements. Particular attention to the persuasive tools of social proof, reciprocity, authority, scarcity, liking, and commitment and consistency. Prerequisite: WRC 1004 or permission of instructor. IV; V

WRC 3124 The Art of Persuasive Writing

A study of, and guided practice in, non-fiction writing that builds arguments on topics of social and cultural importance. For upper-level students of all majors, this course focuses on the skills needed for communicating disciplinary knowledge effectively within both academic and civic settings. Students examine a selection of classic essays as well as some good contemporary writing from journals such as Harper's and Atlantic Monthly. Students will be guided toward building essays on topics of their own choosing that use logical and rhetorical strategies in clean, well organized prose. Prerequisite: Junior standing. IV

WRC 3294 Special Topics in Writing, Rhetoric, and Communication

Advanced study of selected topics in writing, rhetoric, and/or communication focusing on concepts and methods utilized by scholars in the field. May be repeated for credit as long as the topic is different. IV

WRC 3354 Rhetoric II: Readings in Rhetorical Criticism

Designed for students who are interested in argumentation/persuasion, critical theory, and/or cultural studies. Students will be introduced to various schools of rhetorical criticism (such as feminist, ideological, pentadic, and narrative based approaches) and will read a variety of rhetorical scholars (such as Bakhtin, Richards, Burke, Foucault, and Gates). Prerequisites: FYS 1004, 1104 and WRC 2354 or any 2000-level WRC course or permission of instructor. IV; V

WRC 4204 Internship in Writing, Rhetoric, and Communication

A program offering the student supervised placement in organizations providing or requiring communication services. Students might work in human resources, broadcasting, research, or other communication-related areas. Provides an opportunity to work in a professional area of the field and apply concepts learned in other communication and communication-related courses. CR/NC grading. Prerequisites: WRC 3034, 3064, and permission of instructor.

WRC 4244 Directed Study in Writing, Rhetoric, and Communication

Individual student reading and research in a selected area of writing, rhetoric, and/or communication. Allows students to supplement their study of WRC in areas not covered by existing course offerings. The project must be approved by the WRC program director as well as the student's academic advisor prior to registration. The appropriate faculty member in the program will supervise the directed study. Prerequisites: 4 WRC courses and permission of instructor.

WRC 4294 Advanced Studies in Writing, Rhetoric, and Communication

Provides students with an examination of significant issues at the forefront of theory and research in writing, rhetoric, and/or communication. Includes an overview of current research in the field(s) of choice, emphasizing theoretical and methodological issues. Designed primarily to encourage students to engage more deeply with questions that arise from their study of WRC and to provide an occasion for reflection on the work students have done in other courses in the field. The course includes an independent, advanced research project, the topic of which will be chosen in close consultation with the instructor. Prerequisites: 4 WRC courses and permission of instructor.

WRC 4444 Senior Seminar in Writing, Rhetoric, and Communication

Provides students with an examination of significant issues at the forefront of theory and research in writing, rhetoric, and/or communication. Includes an overview of current research in the field(s) of choice, emphasizing theoretical and methodological issues. Designed primarily to encourage students to engage more deeply with questions that arise from their study of WRC and to provide an occasion for reflection on the work students have done in other courses in the field. Includes an independent, advanced research project, the topic of which will be chosen in close consultation with the instructor. Prerequisites: 4 WRC courses and permission of instructor. IV

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Kimberly S. Jenkins, 2000; *Associate Professor of Mathematics*; B.S., M.A.M., Ph.D., Auburn University, 1991, 1993, 1997.

Judy L. Jones, 1980; *Professor of Accounting*; B.B.A., M.B.A., Eastern Kentucky University, 1971, 1974; C.P.A., 1975; D.B.A., Anderson University, 2012.

Paul H. Jones, 1985; *Professor of Religion*; B.A., Yale University, 1972; M.Div., Texas Christian University, 1978; M.A., Ph.D., Vanderbilt University, 1984, 1988.

Bethany Schneider Jurs, 2013; *Assistant Professor of Psychology*; B.A., Purdue University, 2004; Ph.D., Indiana University, 2009.

Iva Katzarska-Miller, 2009; *Assistant Professor of Psychology*; B.A., M.A., Ph.D., University of Kansas, 2003, 2005, 2009.

David Kaufman, 2013; *Assistant Professor of Philosophy and Classics*; A.B., Brandeis University, 2003; M.A., New School for Social Research, 2005; M.A., Ph.D., Princeton University, 2011, 2013.

George K. Kaufman, 2008; *Assistant Professor of Chemistry*; B.A., B.S., M.S., Brown University, 2002; M.A., Ph.D., Harvard University, 2005, 2008.

Donald Gerald Lane, 1972-74, 1975; *Professor of Physical Education*; B.S., Union College, 1965; M.A., University of Kentucky, 1968.

Jerome Michael LeVan, 1995; *Associate Professor of Mathematics*; B.A., Eastern Kentucky University, 1989; M.A.M., Ph.D., Auburn University, 1991, 1995.

Wei Lin, 2006; *Associate Professor of Art History*; B.A., Nanjing University, 1989; M.A., Beijing University, 1994; Ph.D., The Ohio State University, 2006.

Barbara LoMonaco, 1996; *Vice President for Student Affairs and Dean of Students; Professor of Anthropology*; B.A., M.A., Ph.D., Southern Methodist University, 1987, 1991, 1995.

Amy B. Maupin, 2001; *Associate Professor of Education*; B.A., M.A., Eastern Kentucky University, 1991, 1996; Ed.D., The University of Tennessee, 2000.

Jennifer Sink McCloud, 2013; *Assistant Professor of Education*; B.A., Bridgewater College, 2000; M.A., Ph.D., Virginia Tech, 2005, 2013.

Melissa A. McEuen, 1995; *Professor of History*; B.A., Georgetown College, 1983; M.A., Ph.D., Louisiana State University, 1986, 1991.

Kenneth M. Moorman, 1997; *Professor of Computer Science*; B.A., Transylvania University, 1991; M.S., Ph.D., Georgia Institute of Technology, 1996, 1997.

Martha Ojeda, 1997; *Professor of Spanish*; B.A., Berea College, 1991; M.A., Ph.D., University of Kentucky, 1993, 1998.

Hande Ozkan, 2013; *Assistant Professor of Anthropology*; B.A., Marmara University, 1999; M.A. Atatürk Institute for Modern Turkish History, Boğaziçi University, 2002; Ph.D., Yale University, 2013.

Jeremy Paden, 2008; *Associate Professor of Spanish*; B.A., Harding University, 1996; M.A., University of Memphis, 1998; Ph.D., Emory University, 2004.

Gregory Partain, 1991; *Professor of Music*; B.M., University of Washington, 1982; M.M., D.M.A., University of Texas at Austin, 1984, 1994.

Michael R. Pepper, 1989; *Professor of Hospitality Management*; B.S., M.S., University of New Hampshire, 1966, 1969.

Timothy D. Polashek, 2009; *Assistant Professor of Music*; B.A., Grinnell College, 1994; M.A., Dartmouth College, 1996; D.M.A., Columbia University, 2002.

William F. Pollard, 2004; *Professor of English*; B.A., Centre College, 1968; M.A., M.Div., Ph.D., Duke University, 1970, 1972, 1976.

Julia Truitt Poynter, 1999; *Associate Professor of Business Administration*; B.S., M.N.S., University of Kentucky, 1980, 1983; M.B.A., Ph.D., The University of Georgia, 1989, 1991.

Brian L. Rich, 1994; *Professor of Sociology*; B.A., University of California–San Diego, 1981; M.A., California State University, 1984; Ph.D., University of California–Berkeley, 1993.

Richard G. Rolfes, 1988; *Professor of Physics*; A.B., Thomas More College, 1969; M.S., Vanderbilt University, 1971; Ph.D., University of Cincinnati, 1978.

Ashley Rondini, 2011; *Assistant Professor of Sociology*; B.A., Clark University, 1997; M.A., The University of Sussex, 1999; Ph.D., Brandeis University, 2006, 2010.

Robert E. Rosenberg, 2007; *Professor of Chemistry*; S.B., Massachusetts Institute of Technology, 1985; Ph.D., Yale University, 1990.

Frank Russell, 1999; *Professor of History*; B.A., Loyola Marymount University, 1988; M.A., Ph.D., University of California–Los Angeles, 1991, 1994.

Gerald Lawrence Seebach, 1973; *Professor of Chemistry*; B.S., South Dakota School of Mines and Technology, 1966; Ph.D., University of Nebraska, 1972.

David L. Shannon, 1977; *Professor of Mathematics*; B.S., University of New Mexico, 1966; Ph.D., Purdue University, 1971.

Kenneth D. Slepyan, 1994; *Professor of History*; B.A., Williams College, 1987; M.A., M.A., Ph.D., University of Michigan, 1990, 1991, 1994.

Belinda Sly, 2004; *Associate Professor of Biology*; B.S., Oregon State University, 1996; Ph.D., Indiana University, 2004.

Timothy Soulis, 1994; *Lucille C. Little Professor of Theater*; B.A., M.A., University of California–Berkeley, 1971, 1975; Ph.D., University of Denver, 1980.

Zoé Strecker, 2009; *Assistant Professor of Art*; B.A., Grinnell College, 1988; M.F.A., New York State College of Ceramics at Alfred University, 1997.

Ryan Stufflebeam, 2007; *Associate Professor of Mathematics*; B.A., Knox College, 1998; Ph.D., The University of Iowa, 2004.

John Svarlien, 1993; *Professor of Classics*; B.A., University of North Carolina–Chapel Hill, 1976; M.A., The Florida State University, 1981; Ph.D., University of Texas at Austin, 1989.

Richard L. Taylor, 2009; *Visiting Kenan Writer*; B.A., Ph.D., University of Kentucky, 1963, 1994; M.A., J.D., University of Louisville, 1964, 1967.

Kremena Todorova, 2005; *Associate Professor of English*; B.A., Hope College, 1997; M.A., Ph.D., University of Notre Dame, 2001, 2003.

Amelia El-Hindi Trail, 1998; *Associate Professor of Education*; B.A., Syracuse University, 1983; M.A.T., University of North Carolina at Chapel Hill, 1985; Ph.D., Syracuse University, 1994.

Margaret B. Upchurch, 1990; *Professor of Psychology*; B.S., Michigan State University, 1977; Ph.D., University of Texas at Austin, 1984.

Todd Frederick Van Denburg, 1994; *Associate Professor of Psychology*; B.A., Drury College, 1982; M.A., Hollins College, 1983; Ph.D., Virginia Commonwealth University, 1988.

Anthony P. Vital, 1982-84, 1986; *Professor of English*; B.A., M.A., University of Cape Town, 1974, 1977; Ph.D., State University of New York, 1982.

James D. Wagner, 1995; *Professor of Biology*; B.S., University of South Florida, 1985; M.S., University of Maryland, 1993; Ph.D., University of Kentucky, 1995.

Richard A. Weber, 1985; *Professor of German and French*; A.B., Boston College, 1970; M.A., Ph.D., University of Cincinnati, 1978, 1984.

Tiffany R. Wheeler, 2002; *Associate Professor of Education*; B.A., Transylvania University, 1990; M.A., Ph.D., University of Kentucky, 1994, 2007.

Scott Whiddon, 2006; *Associate Professor of Writing, Rhetoric, and Communication*; B.A., Winthrop University, 1996; M.A., M.F.A., McNeese State University, 1999; Ph.D., Louisiana State University, 2006.

Sullivan Canaday White, *Assistant Professor of Theater*; B.A., University of Kentucky, 1988; M.A., Northwestern University, 1995; M.F.A., Virginia Commonwealth University, 2007.

R. Owen Williams, 2010; *President of the University*; A.B., Dartmouth College, 1974; M.A., Cambridge University, 1976; M.S.L., Yale Law School, 2007; Ph.D., Yale University, 2009.

Nancy Wolsk, 1978; *Professor of Art*; B.A., Mount Holyoke College, 1961; M.A., Institute of Fine Arts, New York University, 1966; Ph.D., University of Kentucky, 1998.

James E. Wright, 2012; *Instructor in ESL/ELL*; B.A., Georgetown College, 1998; M.F.A., University of Arkansas, 2008.

Faculty Emeriti

Charles L. Shearer, B.S., M.A., Ph.D.; *President Emeritus*, 1983-2010.

Joseph N. Binford, A.B., M.A., Ph.D.; *Professor of History*, 1959-60, 1962-2000, 2003-04.

Kathleen C. Bryson, B.A., M.S.; *Director of the Library*, 1984-2002.

Dwight W. Carpenter, B.S., M.S., Ph.D.; *Professor of Computer Science*, 1985-96.

Patricia Blackburn Deacon, B.A., M.A.; *Associate Professor of Physical Education*, 1970-97.

Carol C. Duncan, A.B., M.A.; *Associate Professor of French and Spanish*, 1964-90.

Paul E. Fuller, A.B., Ph.D.; *Professor of History*, 1964-73, 1977-95.

Barbara Elaine Gaddy, B.A., M.A., Ph.D.; *Professor of French and Spanish*, 1967-95.

Ash Gobar, B.A., M.A., Ph.D.; *Professor of Philosophy*, 1968-92.

Alan C. Goren, B.A., Ph.D.; *Professor of Chemistry*, 1985-2012.

Charles Harmon Haggard, A.B., M.A., Ph.D.; *Professor of Mathematics*, 1961-90.

Roemol Henry, A.B., M.S. in L.S.; *Assistant Librarian*, 1936-42; *Librarian*, 1943-77, *University Archivist*, 1977-78.

Charles M. Holmes, B.S., A.B., M.A., Ph.D.; *Professor of English*, 1960-92.

Larry Lynch, B.S., Ph.D.; *Professor of Economics*, 1979-99.

James E. Miller, A.B., M.A., Ph.D.; *Professor of Mathematics and Computer Science*, 1966-2008.

James M. Mills, B.S., M.A.; *Registrar*, 1984-2012.

George Philip Points, A.B., B.D., M.A., Ph.D.; *Professor of Religion*, 1964-73, 1974-2000.

Julia Quirch, D.D.; *Assistant Professor of Spanish*, 1965-74.

Cara Elizabeth Richards, B.A., Ph.D.; *Professor of Anthropology and Sociology*, 1967-94.

Mildred Lee Rodes, A.B., M.A. (Ed.); *Assistant Professor of Physical Education*, 1952-91.

Dan S. Selter, B.F.A., M.F.A.; *Professor of Art*, 1975-2010.

John Sinclair, B.M., M.M., Mus.D.; *Professor of Music*, 1968-87.

Carol W. Spotts, B.S., M.A.; *Associate Professor of Education*, 1972-96.

Martha Jane Stone, A.B., M.A.; *Instructor in Music*, 1947-55; *Assistant Professor of Music*, 1955-62; *Assistant Professor of Music Education and Piano*, 1962-80.

James Richard Thompson, B.A., M.A., Ph.D.; *Associate Professor of Sociology*, 1977-2008.

Florence Thorne, B.S., B.F.A., M.F.A.; *Associate Professor of Art*, 1986-98.

John Dean Wright Jr., A.B., M.A., Ph.D.; *Professor of History*, 1950-86.

The Bingham Program for Excellence in Teaching

The Bingham Program for Excellence in Teaching has two components, both of which are designed to develop a Transylvania teaching faculty of exceptional quality.

The Bingham Program was established in 1987 as a result of the vision and generosity of the late Mary and Barry Bingham Sr. and the late William T. Young. This program fosters and rewards excellence in teaching primarily through substantial salary supplements for carefully selected faculty members, either incoming or current. In addition, since 1990 the program has offered support for continuing professional growth and improvement through the David and Betty Jones Faculty Development Fund, made possible by the gifts of Mr. and Mrs. David Jones and William T. Young.

The Bingham Program and its restricted endowment are administered by a separate Bingham Board of Trust. The original, basic endowment of \$5 million has subsequently grown to nearly \$35 million through appreciation and additional gifts. The responsibilities of the Board of Trust include the development of policies regarding the various awards and the establishment of the maximum number of awards to be granted in a given year and the amounts of the awards.

The Bingham-Young Award

In order to enhance attention to excellence in teaching, which is the mission of the Bingham Program, the Bingham Board of Trust instituted a new award in 1996 to be known as the Bingham-Young Award.

The Bingham Selection Committee may, from time to time, recommend to the Bingham Board of Trust an outstanding teacher, chosen from the group of Bingham Fellows, as holder of this professorship. In consultation with the dean of the college and the president, the Bingham-Young professor would design, develop, and implement a program of curricular enrichment and/or enhancement of the art of teaching at Transylvania. Typically the program would involve a number of members of the Transylvania faculty in its development and implementation, would encourage wide participation by the Transylvania community in the program, and would incorporate two- to three-day visits by distinguished individuals from academe, government, business, and industry. The term of appointment would be one or two years. The Bingham-Young stipend would be at the level of the Bingham stipend for a full professor holding a Bingham award. There also would be course-release time (usually one course per year), and an additional stipend to support the expenses of the project.

Bingham-Young Professor:
Ben Hawkins

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Kathleen S. Jagger
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Judy L. Jones
Paul H. Jones
George Kaufman
Donald G. Lane
J. Michael LeVan
Wei Lin
Amy Maupin
Melissa McEuen
Kenneth M. Moorman
Martha Ojeda
Gregory Partain

Michael R. Pepper
Julia T. Poynter
Brian L. Rich
Robert E. Rosenberg
Frank Russell
Gerald L. Seebach
David L. Shannon
Kenneth D. Slepian
Belinda Sly
Timothy Soulis
Ryan Stufflebeam
John Svarlien
Kremena Todorova
Amelia El-Hindi Trail
Margaret B. Upchurch
Todd F. Van Denburg
Anthony P. Vital
James Wagner
Tiffany Wheeler
Scott Whiddon
Nancy C. Wolsk

Monroe Moosnick Professorships in the Natural Sciences

Contributions from many alumni and others whose lives were touched by an outstanding teacher and humanitarian continue to build the Monroe Moosnick Endowment, which was established on the occasion of chemistry professor Moosnick's retirement from the regular faculty of Transylvania University. Through the endowment, two professors in the natural sciences who best emulate Monroe Moosnick's commitment to teaching,

lifelong learning, and service to students will receive annual salary supplements of \$5,000. In honor of Moosnick's commitment to the scientific fields that nurture medical studies, two members of the Transylvania faculty in chemistry, biology, or physics will hold these four-year awards. Preference will be given to faculty members with at least two years of teaching experience at Transylvania. Based on continued outstanding performance in the classroom and exemplary service to the campus community, the awards may be renewed or other faculty members in these fields may be named. Nominations from current students, faculty, and members of the staff are encouraged. In keeping with the goals of the endowment, Moosnick Professors will be selected by the president and dean of the college.

Moosnick Professors:

Jamie Day

Belinda Sly

The Alumni Association

The Transylvania University Alumni Association comprises all living graduates and former students who attended the University for at least one year. Membership in the association is conferred upon graduation (or when the class graduates in the case of transfer or withdrawal). The association is directed by the Alumni Executive Board, which supports the university's admissions, career development, fund-raising, and alumni programming efforts.

Rachelle Williams Dodson '98, President

Karen Utz Allen '88
Andrea Stone Bales '64
Edward C. Binzel '76
F. William Bryan '62
Timothy W. Collins '81
William O. Cooper '87
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Stephen M. Dobler '82
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Administrative Officers

R. Owen Williams, *President*; A.B., Dartmouth College; M.A., Cambridge University; M.S.L., Yale Law School; Ph.D., Yale University.

Brad Goan, *Vice President for Enrollment and Dean of Admissions*; B.A., University of Tennessee; M.A., University of Kentucky.

Michael J. Bell, *Interim Vice President and Dean of the College*; A.B., Saint Joseph's University; M.A., Ph.D., University of Pennsylvania.

Marc A. Mathews, *Vice President for Finance and Business*; B.A., Transylvania University; M.S., University of Kentucky.

Barbara LoMonaco, *Vice President for Student Affairs and Dean of Students; Professor of Anthropology*; B.A., M.A., Ph.D., Southern Methodist University.

Kirk Purdom, *Vice President for Advancement*, B.A., The University of Mississippi.

Jason Whitaker, *Vice President for Information Technology*; B.A., Transylvania University; M.S., University of Kentucky.

Sarah Emmons, *Associate Vice President of Communications and Public Relations*; B.A., Morehead State University; M.A., University of Kentucky.

Administrative Staff

Abby Adams, *Admissions Counselor*; B.A., Transylvania University.

Ingrid Allen, *Associate Director of Admissions*, B.A., Transylvania University; M.A., Morehead State University.

Karen R. Anderson, *Coordinator of Community Service and Civic Engagement*; B.A., Mankato State University; M.Ed., Kent State University.

Betsey C. Bachert, *Assistant Director of Admissions Counselor*; B.A., Transylvania University.

Marian H. Baker, *Assistant to the Vice President and Dean of Students*; B.A., Murray State University.

Martha S. Baker, *Director of Publications*; B.A., Berea College.

L. Darrell Banks, *Director of the Physical Plant*; B.A., Midway College.

Martha Billips, *Associate Dean for First-Year Academic Programs and Advising, Professor of English*; B.A., Transylvania University; M.A., Ph.D., University of Kentucky.

Mambuna Bojang, *Technology Support Coordinator*; B.A., Transylvania University; M.S., Sullivan University.

William A. Bowden, *Publications Writer/Editor*; B.A., Murray State University.

Brandon H. Bowman, *Head Coach, Men's Soccer*; B.A., Centre College; M.S., Miami University.

Amy Bridges, *Assistant Director of Annual Giving*; B.S., Mars Hill College.

Charles D. Brown, *Head Coach, Men's and Women's Tennis*; B.A., Ferris State University.

Robert C. Brown, *Associate Dean of Student Affairs*; B.S., University of Kentucky; M.S., Indiana University.

Susan M. Brown, *Director of the Library*; B.A., Hiram College; M.S., University of Illinois at Urbana-Champaign.

Lori A. Burlingham, *Major Gifts Officer*; B.S., University of Kentucky.

Christopher Campbell, *Head Coach, Baseball*; B.A., Transylvania University.

Robert Campbell, *Reference and Instruction Librarian*; B.A., Berea College; M.S.L.S., University of Kentucky.

Tora Carter, *Cheer and Dance Coach*; B.S., University of Kentucky.

David J. Cecil, *Associate Vice President for Financial Aid*; B.S., M.A., Eastern Kentucky University.

Keith Cecil, *Director of Athletic Facilities and Campus Recreation*; , B.A., Transylvania University.

Mayme Clayton, *Assistant Director of Financial Aid*; B.A., Transylvania University; M.A., Bowling Green State University.

Bryan Conover, *Assistant Director of Admissions*, B.A., Transylvania University; M.A., Bowling Green State University.

Rhyan Conyers, *Director of Institutional Research and Assessment*; B.A., Georgetown College; M.Ed., Vanderbilt University.

Ashley Coons, *Assistant Registrar*; B.A., Transylvania University; M.A., Morehead State University.

Kara L. Covert, *Associate Vice President for Advancement*; B.A., Transylvania University; M.Ed., Vanderbilt University.

Michael Covert, *Associate Vice President for Retention and Associate Dean of Students*; B.A., Transylvania University; M.S., Indiana University; Ph.D., University of Kentucky.

Michael J. Cronk, *Assistant Director of Career Development*; B.A., St. Lawrence University; M.S., State University of New York at Plattsburgh.

Casey R. Dale, *Head Coach, Volleyball*; B.A., Juniata College.

John Davis, *Director of Annual Giving*; B.A., Berea College.

Damon DeBord, *Technical Services Librarian*; B.A., Marshall University; M.S.L.I.S., Florida State University.

Wilson Dickinson, *Associate Dean for Religious Life and Assistant Professor of Religion and Philosophy*; B.A., Transylvania University; M.Div., Vanderbilt University; M.Phil., Ph.D., Syracuse University.

Paul G. Dimayuga, *Software Training and Technology Support Coordinator*; B.S., University of Kentucky.

Kyle G. Dunaway, *Head Coach, Swimming and Diving*; B.A., Wittenberg University.

Tracy S. Dunn, *Assistant Director of Alumni Programs*; B.S., Transylvania University; M.A., Eastern Kentucky University.

Jack D. Ebel, *Associate Director of Athletics for Compliance and Outdoor Facilities*; B.A., Transylvania University; M.A., Georgetown College.

Christian P. Elrod, *Network and Systems Engineer*.

Lu-Ann Farrar, *Prospect Research Coordinator*; B.A., M.A., University of Kentucky.

Andrea Fisher, *Morlan Gallery Director*; B.F.A., University of Nevada, Las Vegas.

Diane L. Fout, *Director of Campus Center*; B.A., M.Ed., Western Kentucky University.

Tristan Fretwell, *Assistant Director of Residence Life*; B.A., Asbury University; M.A., University of Kentucky.

Michael S. Fulton, *Head Coach, Women's Soccer*; B.A., University of Kentucky.

Susan M. Garrison, *Assistant Technical Coordinator, Mitchell Fine Arts Center*; B.A., Transylvania University.

B. J. Gooch, *Special Collections Librarian*; B.A., M.S. in L.S., University of Kentucky.

Sarah Guinn, *Assistant Director of Admissions; Coordinator of Phone Team*; B.A., Transylvania University.

Ashley Gutshall, *Assistant Director of Residence Life*; B.A., James Madison University; M.A., University of South Carolina.

Ashley Hinton-Moncer, *Director of Health and Wellness*; B.A., M.S., University of Kentucky.

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Johnnie Johnson, *Associate Director of Admissions*; B.A., Cornell College.

Terry Justice, *Head Coach, Men's Lacrosse*; B.S., University of Kentucky.

Diana B. Kinslow, *Major Gifts Officer*; B.A., Transylvania University.

Alycia Keller, *Admissions Counselor*; B.A., DePauw University; M.A., The Ohio State University.

Karin K. Kolb, *Assistant Director of Admissions*; B.A., University of Cincinnati.

Brian D. Lane, *Head Coach, Men's Basketball*; Head Coach, Men's Golf; B.A., Transylvania University.

Kelly A. Lavy, *Events Coordinator*.

Stacy Marsico, *Assistant Registrar*; B.A., M.S., University of Kentucky.

Truman Marshall, *Custodial Services Supervisor*.

Haley Marvine, *Head Coach, Women's Lacrosse*; B.S., University of Cincinnati.

Shane McKee, *Director of Student Involvement and Leadership*; B.B.A., Midwestern State University; M.Ed., University of Missouri-St. Louis; M.A., Gonzaga University; Ph.D., Washington State University.

Cameron Mueller, *Area Coordinator*; B.A., Albion College; M.S., Western Kentucky University.

Rachel Millard, *Administrative Assistant to the President*; B.A., College of Charleston.

Brooke Mohallatee, *Controller*; B.A., M.B.A., Temple University.

Natasa Pajic Mongiardo, *Director of Alumni Programs*; B.A., Transylvania University.

Norman M. Mudd, *Operations Manager of Physical Plant*.

Jeffrey A. Mudrak, *Director of Human Resources*; B.B.A., Eastern Kentucky University.

Cameron Mueller, *Area Coordinator for Housing and Residence Life*; B.A., Albion College; M.S., Western Kentucky University.

Gregg Muravchick, *Director of Public Safety*; B.A., Kentucky State University.

Anna M. Nevius, *Assistant Controller*; B.S., Sullivan University.

Lisa A. Nichols, *Public Services Librarian*; B.A., M.A., M.S., University of Illinois at Urbana-Champaign.

Eduardo Nino-Moreno, *Director of Campus Diversity and Inclusion*; B.A., Dartmouth College; M.A., Cornell University.

Meredith Norman, *Admissions Counselor*; B.A., Transylvania University.

Patricia A. Nuckols, *Custodial Services Supervisor*; B.A., Lindsey Wilson College.

Darlene Ogata, *International Student Advisor*; B.S., Eastern Kentucky University; M.A., Asbury University.

Heidi Pinkerton, *Head Coach, Cross Country and Track*; B.A., University of North Carolina at Greensboro.

Angela Poe, *Sustainability Director*; B.S., University of Kentucky; M.A., The Ohio State University.

Stephen E. Poynter, *Instructional Technology Coordinator*; B.A., Transylvania University.

Sharon Z. Prevette, *Senior Programmer/Analyst*; B.A., Transylvania University.

Jennifer M. Priest, *Associate Director of Financial Aid*; B.S., San Diego Christian College.

Diane C. Pruitt, *Executive Assistant to the Vice President and Dean of the College*.

Devon H. Query, *Facility Director and Technical Coordinator of Mitchell Fine Arts Center*; B.A., Transylvania University.

Michelle L. Rawlings, *Registrar*; B.B.A., University of Kentucky; M.B.A., Sullivan University.

Susan S. Rayer, *Director of Career Development*; B.A., Marshall University.

Aaron Roberts, *Assistant Director of Student Involvement and Leadership*; B.A., Georgetown College; M.E., University of Louisville.

Jordan Robinson, *Area Coordinator for Housing and Residence Life*; B.S., Georgetown College; M.P.H., Eastern Kentucky University.

Laura Rudolph, *Sports Information Director*; B.A., Eastern Kentucky University

Kim Chaffer Schroeder, *Associate Director of Admissions*; B.A., M.P.A., University of Kentucky.

Kara Salsman, *Major Gifts Officer*; B.A., Western Kentucky University.

Holly K. Sheilley, *Athletics Director*; B.S., Asbury University; M.S., Eastern Kentucky University; Ph.D., University of Louisville.

Mariana Shochat, *Web Development Manager*; B.A., Institute of Light Technology, Kiev, Ukraine.

Sallie Showalter, *Web Content Editor*; B.A., Centre College; M.A., University of North Carolina at Chapel Hill.

Kathryn Culligan Simon, *Director of Study Abroad and Special Programs*; B.A., St. Lawrence University; M.S., State University of New York.

Shawn Singleton, *Director of Purchasing and Office Services*.

Krista F. Story, *Senior Programmer/Analyst*; B.A., Georgetown College.

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Kimberly Tackett, *Head Coach, Softball*; B.A., Muskingum College; M.E., John Carroll University.

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Bruce Thompson, *Assistant Controller*; B.A., University of Illinois, Springfield.

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Greg Todd, *Head Coach, Women's Basketball*; B.S., M.A., Eastern Kentucky University.

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