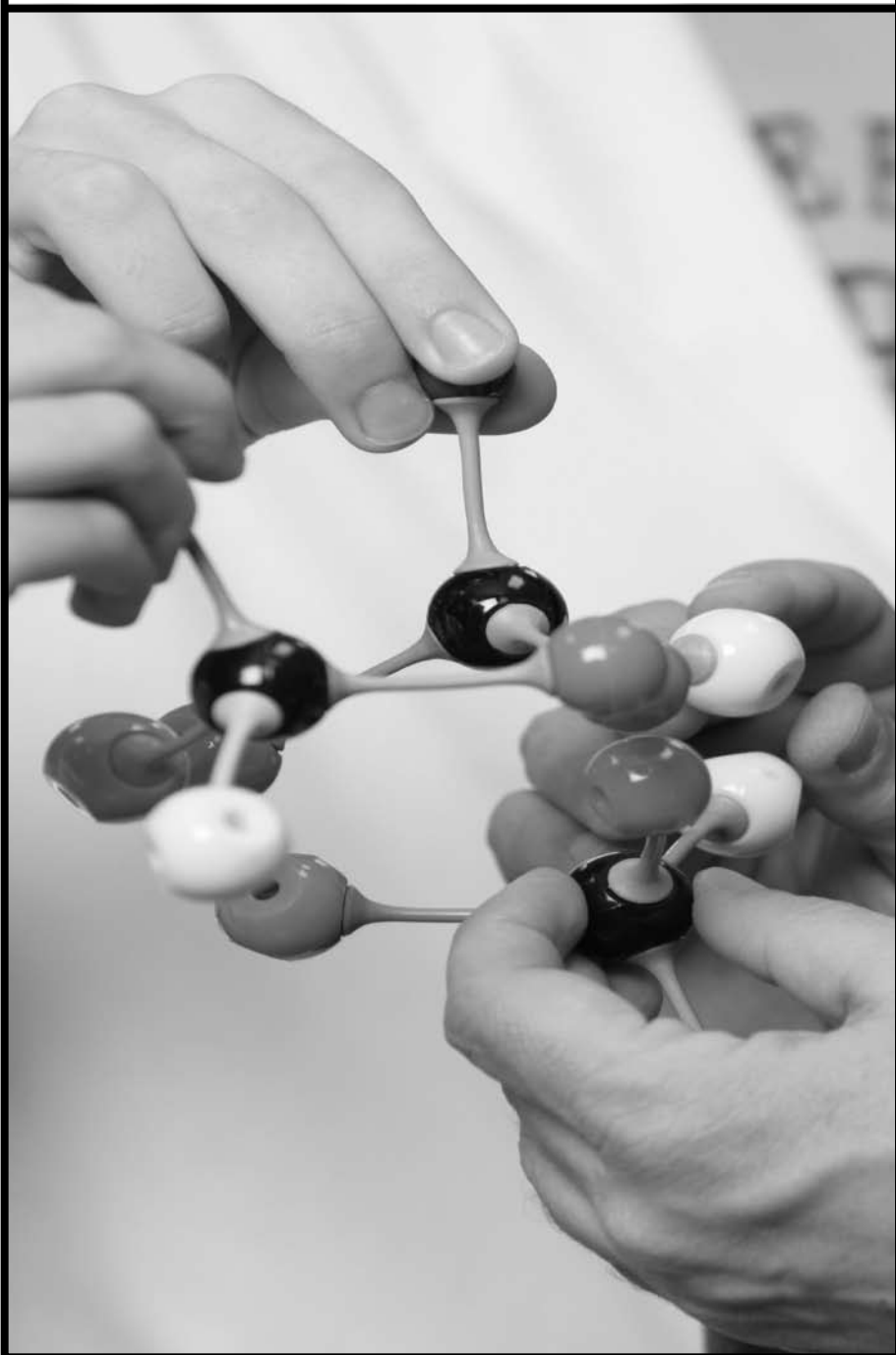


DEPARTMENTS OF INSTRUCTION



Departments of Instruction

Academic Program

The academic program of the College is organized into the following units:

- Division of Arts and Letters**
- Division of Sciences**
- Else School of Management**

Within these units are the academic departments and programs through which the curriculum of the College is administered.

Course offerings, together with major and minor requirements, are generally listed by department. Interdisciplinary courses and programs appear under a separate heading.

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Course Numbers

The first number indicates the class level with 1 primarily for first year students, 2 for sophomores and above, 3 for juniors, and 4 for seniors.

The departmental structure primarily determines the second and third numbers.

The fourth number indicates whether the course is 1, 2, 3 or a 4 hour course. A course number ending in:

- 1 = 1 hour credit
- 2 = 2 hours credit
- 3 = 3 hours credit
- 0 = 4 hours credit

Division of Arts and Letters

Elise L. Smith, Ph.D., Interim Associate Dean

Art

Professor:

Elise L. Smith, Ph.D. Sanderson Chair of Arts and Sciences

Associate Professor

Sandra Murchison, M.F.A., Chair

Assistant Professor:

Brent E. Fogt, M.F.A.

Faculty Teaching Fellow in Art:

Abigail L. Susik M.A.

Requirements for major: Students may complete a major in studio art (11 courses) or in art history (10 courses). A concentration in digital arts is available in the studio art major, and a concentration in museum studies is available in the art history major.

A. Studio art major: Beginning Drawing (ARTS 2200); Intermediate Studio in Drawing (ARTS 3300); Beginning Painting (ARTS 2210); Beginning Printmaking (ARTS 2230); Beginning Sculpture (ARTS 2250); two art history courses; Advanced Studio (which should be taken before Senior Seminar); two additional studio courses; Junior Seminar in Studio Art 3900 is highly recommended; and Senior Seminar in Studio Art (ARTS 4900).

B. Studio art major with a concentration in digital arts: Beginning Drawing (ARTS 2200); Intermediate Drawing Studio (ARTS 3300); Beginning Sculpture (ARTS 2250); Beginning Digital Arts (ARTS 2260); Intermediate Studio Digital Arts (ARTS 3360); Digital Arts Internship (ARTS 3650); Advanced Studio in Digital Art (ARTS 4460) (which should be taken before Senior Seminar); one additional studio course; two art history courses; and Senior Seminar in Studio Art (ARTS 4900), with a senior project in digital arts.

C. Art history major: six art history courses, of which one may be a Core topics course taught by art department faculty; Aesthetics (PHIL 2210) (or an additional art history course); two studio courses; and Senior Seminar in Art History (ARTS 4910).

D. Art history major with a concentration in museum studies: five art history courses; Museum Studies (ARTS 2600); two Museum Studies internships (ARTS 3600); Introduction to Management (MGMT 3000) or Fundamentals in Marketing (MRKT 3000); Senior Seminar in Art History (ARTS 4910).

A student can also choose to complete a double major in studio art and art history.

At least 50 percent of course work for either the studio art or art history major must be taken at Millsaps. A grade of C- or higher is required for all courses in these majors. Students may count four semester hours of work in either Honors or Ford Fellowship towards either major.

Requirements for minor: Four minors are available in the art department: The minors in art history and museum studies are available to studio art majors, as well as any major outside the art department. The minors in studio art and digital arts are available to art history majors, as well as any major outside the art department.

Studio Art minor (5 courses): Beginning Drawing (ARTS 2200); Beginning Painting (ARTS 2210), Beginning Printmaking (ARTS 2230); Beginning Sculpture (ARTS 2250); and one other studio course. The minors in art history and museum studies are available to studio art majors, as well as any major outside the art department.

Digital Arts minor (5 courses): Beginning Drawing (ARTS 2200); Beginning Digital Arts (ARTS 2260); Intermediate Studio in Digital Arts: (ARTS 3360); Digital Arts Internship (ARTS 3650) or Advanced Studio in Digital Arts (ARTS 4460); and one other studio course.

Art History minor (5 courses): five art history courses, one of which may be a Core topics course taught by art department faculty. The minors in art history and museum studies are available to studio art majors, as well as any major outside the art department.

Museum Studies minor (5 courses): three art history courses, Museum Studies (ARTS 2600), and one Museum Studies internship (ARTS 3600).

Studio Art Courses

2200 Beginning Drawing (4 sem. hours). An introduction to observational drawing using gesture, contour, weighted line, and structural line techniques.

2210 Beginning Painting (4 sem. hours). Offers technical training in the use of materials and the basics of color and composition. Prerequisites: ARTS 2200

2230 Beginning Printmaking (4 sem. hours). An introduction to printmaking techniques including intaglio and lithography, as well as issues related to two-dimensional design and content. Prerequisite: ARTS 2200

2240 Beginning Photography (4 sem. hours). Explores the camera as a tool for self-expression while teaching fundamental darkroom procedures. Requirement: 35mm camera. Offered occasionally.

2250 Beginning Sculpture (4 sem. hours). Explores a wide range of traditional sculpture media and techniques, including carving, modeling, and casting, and introduces issues of three-dimensional design.

2260 Beginning Digital Arts (4 sem. hours). Explores the use of digital media for artistic expression, with a focus on enhancing technical abilities and understanding related issues of design.

2750-2753 Special Topics in Studio Art (1, 2, 3 or 4 sem. hours).

3300 Intermediate Studio in Drawing (4 sem. hours). This intermediate-level drawing course varies in its specific focus. Topics may include figure drawing, color theory, and experimental drawing. This course may be repeated for credit with a different topic. Prerequisite: ARTS 2200

3310 Intermediate Studio in Painting (4 sem. hours). This intermediate-level course varies in its specific focus. Topics may include watercolor painting, acrylic painting, encaustic, and collage. This course may be repeated for credit with a different topic. Prerequisites: ARTS 2210

3330 Intermediate Studio in Printmaking (4 sem. hours). This intermediate-level course varies in its specific focus. Topics may include woodcuts and monotypes, combination prints, color intaglio, and book arts. This course may be repeated for credit with a different topic. Prerequisites: ARTS 2230

3340 Intermediate Studio in Photography (4 sem. hours). This intermediate-level course varies in its specific focus. Students will develop their skills in photography and gain historical and critical understanding of the field, with a concentration on content as well as advanced techniques. This course may be repeated for credit with a different topic. Requirement: 35mm camera. Prerequisites: ARTS 2240 Offered occasionally.

3350 Intermediate Studio in Sculpture (4 sem. hours). This intermediate-level course varies in its specific focus. Topics may include casting and mold-making, and installation art. This course may be repeated for credit with a different topic. Prerequisites: ARTS 2250

3360 Intermediate Studio in Digital Arts (4 sem. hours). This intermediate-level course varies in its specific focus. Topics may include digital printmaking, video, and web-based media. This course may be repeated for credit with a different topic. Prerequisites: ARTS 2260

3650 Digital Arts Internship (4 sem. hours). An internship in which a student works with a firm or agency focusing on digital arts or graphic design for at least 12 hours a week. This internship will count for the Digital Arts concentration in the Studio Art major, or for the Digital Arts minor. Supervision of a member of the Art faculty is required. Prerequisite: consent of art department chair.

3750-3753 Special Topics in Studio Art (1, 2, 3 or 4 sem. hours).

3800-3803 Directed Study in Art (1, 2, 3, or 4 sem. hours).

3850–3853 Internship in Studio Art (1, 2, 3 or 4 sem. hours). An internship in which a student works with a museum, art agency, business firm, or artist under supervision of the art department. Internships may not count towards a major requirement, with the exception of the Internship in digital arts which is a requirement for the digital arts concentration within the studio art major and which must be supervised by a member of the art department. Prerequisite: consent of the art department chair.

3900 Junior Studio Art Seminar (4 sem. hours). An upper-level studio art seminar focused on a different topic every fall semester, open to all students who have had a previous studio art course, with instructor's permission, and strongly recommended for junior studio art majors.

4400 Advanced Studio in Drawing (4 sem. hours). Students will create their own body of drawings and engage in class discussions and critiques with advanced studio students working in other media. All advanced studio students meet together to encourage a broader understanding of art making and contemporary artists. This course may be repeated for credit with a different topic. Prerequisites: ARTS 3300

4410 Advanced Studio in Painting (4 sem. hours). Students will create their own body of paintings and engage in class discussions and critiques with advanced studio students working in other media. All advanced studio students meet together to encourage a broader understanding of art making and contemporary artists. This course may be repeated for credit with a different topic. Prerequisites: ARTS 3310

4430 Advanced Studio in Printmaking (4 sem. hours). Students will create their own body of prints and engage in class discussions and critiques with advanced studio students working in other media. All advanced studio students meet together to encourage a broader understanding of art making and contemporary artists. This course may be repeated for credit with a different topic. Prerequisites: ARTS 3330

4440 Advanced Studio in Photography (4 sem. hours). Students will create their own body of photographs and engage in class discussions and critiques with advanced studio students working in other media. All advanced studio students meet together to encourage a broader understanding of art making and contemporary artists. This course may be repeated for credit with a different topic. Requirement: 35mm camera. Prerequisites: ARTS 3340 Offered occasionally.

4450 Advanced Studio in Sculpture (4 sem. hours). Students will create their own body of sculptures and engage in class discussions and critiques with advanced studio students working in other media. All advanced studio students meet together to encourage a broader understanding of art making and contemporary artists. This course may be repeated for credit with a different topic. Prerequisites: ARTS 3350

4460 Advanced Studio in Digital Arts (4 sem. hours). Students will create their own body of digital images and engage in class discussions and critiques with advanced studio students working in other media. All advanced studio students meet together to encourage a broader understanding of art making and contemporary artists. This course may be repeated for credit with a different topic. Prerequisites: ARTS 3360.

4750-4753 Special Topics in Studio Art (1, 2, 3 or 4 sem. hours).

4900 Senior Studio Art Seminar (4 sem. hours). An upper-level studio art seminar focused on a different topic every fall semester, required of all senior studio art majors.

Art History Courses

2500 Survey of Ancient and Medieval Art (4 sem. hours). A study of the development of art from prehistoric times through the late Gothic period. Offered in alternate years.

2520 Northern Renaissance Art (4 sem. hours). A study of painting from the 15th and 16th centuries in northern Europe, with special attention paid to the interpretation of symbolic images. Offered occasionally.

2530 Italian Renaissance Art (4 sem. hours). A study of painting, sculpture, and architecture from the 14th through the 16th centuries in Italy, set in the context of Renaissance thought and culture. Offered in alternate years.

2540 Baroque Art (4 sem. hours). A study of European art of the 17th century, with special attention paid to Italian, Flemish, and Dutch painting and sculpture. Offered in alternate years.

2550 Eighteenth and Nineteenth Century Art (4 sem. hours). A study of European art of the 18th and 19th centuries in the context of an increasingly industrialized and middle-class society, with attention paid to issues of gender, class, and technology. Offered in alternate years.

2560 Modern Art (4 sem. hours). A study of European and American art from Post-Impressionism to around 1970. Offered in alternate years.

2570 Contemporary Art (4 sem. hours). A study of art from around 1970 to the present, with a special focus on new media and concepts as well as contemporary approaches to traditional themes such as landscape, personal identity, the body, and religious and political subjects. Offered in alternate years.

2580 Women Artists (4 sem. hours). A study of the work of women artists from the 15th through the 20th centuries, with particular attention to the impact of sex and gender on artistic production. Offered occasionally.

2590 Topics in World Art (4 sem. hours). A study of selected topics in the art of Asia, Africa, and Latin America, either surveying key periods of two or three cultures or focusing on one of these areas. Offered occasionally. This course may be repeated for credit with a different topic.

2600 Museum Studies (4 sem. hours). This course will provide an introduction to the structure, operations, and social and political functions of museums. Topics will include funding, management, marketing, ethical issues, exhibition strategies, and educational outreach. We will also consider the practical, ethical, and legal issues related to the acquisition, handling, conservation, and exhibition of museum objects.

2760-2763 Special Topics in Art History (1, 2, 3, or 4 sem. hours).

3600 Museum Studies Internship (4 sem. hours). An internship in which a student works at a museum for at least 12 hours a week during the semester and meets weekly to discuss readings with the art history mentor and other interns. Prerequisite: consent of art department chair.

3760-3763 Special Topics in Art History (1, 2, 3, or 4 sem. hours).

3860–3863 Internship in Art History (1, 2, 3, or 4 sem. hours). An internship in which a student works at a museum, art agency, business firm, or artist under the supervision of the art department. These internships may not count toward a major requirement. Prerequisite: consent of the art department chair.

3910 Junior Art History Seminar (4 sem. hours). An upper-level art history seminar focused on a different topic every fall semester, open to all students who have had a previous art history course, with instructor's permission, and strongly recommended for all junior art history majors.

4760-4763 Special Topics in Art History (1, 2, 3, or 4 sem. hours).

4910 Senior Art History Seminar (4 sem. hours). An upper-level art history seminar focused on a different topic every fall semester, open to students who have had a previous art history course and required of senior art history majors.

Classical Studies

Professor:

Catherine Ruggiero Freis, Ph. D., Emeritus

Assistant Professor:

Holly M. Sypniewski, Ph.D., Chair

Daniel W. Turkeltaub, Ph.D.

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Requirements for major: Students may complete a major in classical studies with 11 and a half courses (46 semester hours). The requirements include eight semesters of Latin and Greek, with at least three in one language and five in the other, including one at the 4000-level. In addition, students must also complete Roman Legacy: Culture and Civilization (CLST 2000), Greek Legacy (CLST 2050), Junior Seminar (CLST 3901), and Senior Seminar (CLST 4901). The remaining course may be in Greek, Latin, Hebrew, or Classical Civilization. One Core topics course, taught by a member of the department, or approved by the chair, may count toward the major. One AP Latin course in which the student has earned a four or five may be counted as one course for the major requirements as a 2000-level course.

Prospective majors should include travel abroad as part of their major, either by traveling to Greece and/or Italy at the end of the spring term with the Greek Legacy and Roman Legacy Field Study trips, or by summer and semester study in Italy and/or Greece. Classics majors also have an opportunity to participate in the Millsaps Institute for Interdisciplinary Archaeological Research, which has projects in the United States, Latin America, Europe, and the Middle East. Students who intend to teach Latin in the secondary schools must take 16 hours above the introductory level for teacher certification. Those who intend to go to graduate school in classics should take additional courses in both Greek and Latin.

Concentrations within the major

1. A major in Classical Studies with a concentration in Latin

Students who intend to teach Latin in the secondary schools must take 16 hours above the

introductory level for teacher certification by the state. However, even students intending to teach Latin in private schools should take additional Latin. We recommend that such students complete a concentration in Latin by taking the standard courses for the major and 12 additional credits in Latin.

2. A major in Classical Studies with a concentration in Material Culture

Students who choose this option will fulfill all the requirements for a Classical Studies major, but will also be required to take Sociology-Anthropology 1110: Introduction to Archaeology (also meets Core 6). In addition, they will be required to attend a field school, and complete four credits of field research. Such students would be encouraged to travel to Greece and Rome, either with the department in its Field Studies courses or by choosing to participate in a number of excellent programs abroad. Such students should also take a Classical Art History course.

3. A major in Classical Studies with a concentration in Biblical Languages

Students who choose this option will fulfill all the requirements for a Classical Studies major, but will also be required to take a Hebrew language sequence for three semesters and a course on the Hebrew Bible, for a total of 14.5 courses.

Minors

1. Classical Studies minor

Requirements for minor: Students may elect a minor in classical studies with five courses (20 semester hours) chosen from Greek, Latin and Classical Civilization courses, provided that either Roman Legacy (CLST 2000) or Greek Legacy (CLST 2050) are included, although both are recommended. One Core topics course, taught by a member of the department, or approved by the chair, may count toward the minor. Prospective minors have the opportunity to include travel to Greece and/or Italy at the end of the spring term in conjunction with the Greek Legacy and Roman Legacy courses, or summer and semester study in Italy and/or Greece.

2. Latin minor

Students may elect a minor in Latin with five courses (20 semester hours) chosen from four Latin course offerings (16 hours) plus Roman Legacy (CLST 2000).

3. Greek minor

Students may elect a minor in Greek with five courses (20 semester hours) chosen from four Greek course offerings (16 hours) plus Greek Legacy (CLST 2050).

Classical Studies: Civilization

The following courses are conducted in English; they are open to all students for elective and credit/no credit. Different courses in this sequence will be offered from year to year.

2000 Roman Legacy: Culture and Civilization (4 sem. hours). This course traces the 1,000-year rise of Rome from a cultural backwater to the undisputed master of the Mediterranean world. We examine major historical periods, authors, genres, and artistic works to understand the impact on Roman civilization and their continuing legacy in the modern world.

2001 Roman Legacy: Field Studies in Italy (1 sem. hour). Students will travel to Italy at the end of the spring term to examine firsthand the sites and museum collections of ancient Rome.

2050 Greek Legacy: Culture and Civilization (4 sem. hours). This introductory course begins its study of Greek civilization with the astonishing cultures of Bronze Age Greece and continues with an examination of the defining moments of classical Greek and Hellenistic civilization. We examine major historical periods, authors, genres, and artistic works to understand their impacts on Greek civilization and their continuing legacy in the modern world.

2051 Greek Legacy: Field Studies in Greece (1 sem. hour). Students will travel to Greece at the end of the spring term to examine the sites and museum collections of ancient and Byzantine Greece.

3000 Classical Mythology (4 sem. hours). Western art and literature have their roots in Greek and Roman stories about heroes and monsters, gods and titans, awe-inspiring deeds and magical transformations. Today we refer to these stories as “myths.” But what exactly is myth? Where does myth come from? What purposes does myth serve in a society, and how does it serve those purposes? These will be the core questions we will ask as we study Classical myth in its cultural contexts. We will consider how myth shapes the works of Classical poets, artists, dramatists, philosophers, and historians, and how those works, in turn, shaped Classical myth. Cross-listed with RLST 3000 and SOAN 4750. Prerequisites: None.

3100 Greek Tragedy (4 sem. hours). What does it mean to hold a tragic worldview? Students read the main surviving works of three great tragedians, Aeschylus, Sophocles, and Euripides, and close with two critical works, Aristotle’s *Poetics* and Aristophanes’ comedy about tragedy, *The Frogs*. Performances of Greek tragedy and an examination of ritual drama in contemporary Japan, China, India, and Bali broaden our perspective of what drama can achieve for its authors and its audience. Offered in rotation.

3200 The Classical Epic (4 sem. hours). The class begins with the oldest surviving epic, the Mesopotamian *Gilgamesh*, then compares and contrasts the three great classical epics, the *Iliad*, the *Odyssey*, and the *Aeneid*. Additional epic literature from India, Africa, and China helps focus the definition of the all-encompassing genre. Offered in rotation.

3300 Classical Art and Archaeology (4 sem. hours). This course will focus on the changing vision of the world and human experience in ancient Greek and Roman art and the forms and techniques that artists created to represent that vision. We examine such shifts in perspective as classical to Hellenistic, small city-state societies to cosmopolitan civilizations, and idealism to realism. We include a field trip to the Museum of Classical Archaeology at the University of Mississippi. Offered in rotation.

3400 Women in Antiquity (4 sem. hours). The course examines what we can learn of the ambiguous status and complex roles particular to women from ancient art and literature situated within their relevant historical contexts. Offered in rotation.

3500 Ancient and Medieval Philosophy (4 sem. hours). A survey of the impact of classical philosophy upon the development of a largely Christian European culture. (This course is the same as Philosophy 3010.) Offered in rotation.

3600 Ancient History (4 sem. hours). A survey of the political and cultural developments from the origins of urban life to the dissolution of the Roman Empire. (This course is the same as History 3510). Offered in rotation.

3700 Greek and Roman Religion (4 sem. hours). A survey of the religious and social significance of cult and state religious practices as they were performed from Minoan culture through the birth of early Christianity. Offered in rotation.

3750–3753 Special Topics (1, 2, 3, or 4 sem. hours).

3901 Junior Classical Seminar (1 sem. hour). This course enables majors to examine the motivation behind their pursuit of a classical education. Following a theme of “vocation,” we read ancient and modern commentators that help frame the theoretical and practical questions of human nature and personal identity.

4750–4753 Special Topics (1, 2, 3, or 4 sem. hours).

4901 Senior Classical Seminar (4 sem. hour). As Core 10 (Reflections on Liberal Studies), this capstone course directly challenges classics majors to examine the successes and limitations of their own experience with a liberal arts education, particularly one that focuses on classical thought. Students write a senior reflective paper on this theme and submit it to the Frank and Rachel Laney Award committee as part of a college-wide competition.

Classical Studies: Greek

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Greek fulfills the language requirement for the B.A. degree and for Phi Beta Kappa. Courses numbered 2010–2750 are intended for third-semester work. Intermediate readers (e.g. fourth through sixth semester) should take 3000-level courses. 4000-level courses are for advanced students (sixth semester or beyond) and taught together with 3000-level classes but include a fourth hour research colloquium and instruction in disciplinary research tools.

1010 -1020 Introduction to Greek I and II (4 sem. hours). Learn to think and read like an ancient Greek. This course introduces students to all essential Greek grammar, vocabulary, and forms, while emphasizing critical reading skills. Readings include selections from the New Testament, Greek philosophy, tombstone inscriptions, and lyric poetry as well as a number of stories from folklore.

2010 Plato (4 sem. hours). Selected readings from the Dialogues illustrate the range of Socratic and Platonic thought. Offered in rotation.

2020 Greek New Testament (4 sem. hours). Selected readings from the gospels and the letters of St. Paul. Students will learn the elements of Koine Greek and how Christianity is placed within a Hellenistic worldview.

2030 Homer (4 sem. hours). Selected readings from the *Iliad*, the root of all Western literature and thought, with a focus on the *Iliad*'s important themes concerning mortality, integrity, and compassion. Offered in rotation.

2040 Euripides (4 sem. hours). We read at least one work of this surprisingly and disturbingly “modern” playwright in order to witness his challenge to the conventional wisdom of fifth-century Athens. Offered in rotation.

2210 Attic Orators (4sem. hours). A third semester reading course in ancient Greek focusing on the speeches of Lysias (c.459 – c.380 B.C.E.). Critics ancient and modern hold Lysias up as a model of clarity, simplicity, and brevity, especially adept at vivid narration and at fitting each speech to the character which the speaker wishes to display. Lysias' is an artful simplicity, achieved by careful choice of ordinary words and the arrangement of these words in a seemingly effortless but often complex sentence structure. We will begin the course with "on the Murder of Eratosthenes" a defense speech for a man who murdered his wife's lover. Was it a justifiable homicide according to Greek law? We will explore Athenian court practices as well as prevailing attitudes toward women and sexual behavior in Greece. Prerequisite: Two semesters of college ancient Greek or equivalent.

2750–2753 Special Topics (1, 2, 3, or 4 sem. hours). Readings from selected authors at the third semester level, for students who have completed the fundamentals of Greek grammar but have not yet had a reading course.

3040 Euripides (4 sem. hours). Euripides composed tragedies that pushed the boundaries of genre and challenged the ethical, social, and theological norms of Athenian society. Like most avant-garde artists, he only found popular acclaim after he died, but the millennia since his death have done nothing to blunt his modernistic edge. This edge makes Euripides the most widely read and widely performed of the Classical dramatists today. In this advanced Greek class we will read in Greek his *Electra*, which in typical Euripidean fashion, confronts the canonical myth of a girl and her brother who kill their own mother to avenge their father. In order to understand what makes this play so terrific, we will read Sophocles version of the same myth, as well as one other Euripides plays to round out our understanding of this essential poet. Prerequisites: At least three semesters of college ancient Greek or equivalent, or by permission of instructor.

3310 Attic Orators Intermediate Level (4 sem. hours). An intermediate reading course in ancient Greek focusing on the speeches of Lysias with reading assignments tailored to the fourth-fifth semester reading level (see above). Prerequisite: At least three semesters of college ancient Greek or equivalent.

3760–3763 Special Topics (1, 2, 3, or 4 sem. hours). Study of such authors as Homer, the lyric poets, Aeschylus, Sophocles, Euripides, Aristophanes, Demosthenes, Plato, Aristotle, New Testament writers, and Greek composition, prose, or verse.

4760–4763 Special Topics (1, 2, 3 or 4 sem. hours). Study of selected authors for advanced students.

Classical Studies: Latin

Latin fulfills the language requirement for the B.A. degree and for Phi Beta Kappa. Courses numbered 2010-2750 are intended for third-semester work. Intermediate readers (e.g. fourth through sixth semester) should take 3000-level courses. 4000-level courses are for advanced students (sixth semester or beyond) and taught together with 3000-level classes, but include a fourth hour research colloquium and instruction in disciplinary research tools.

1110 – 1120 Introduction to Latin I and II (4 sem. hours). Learn to think and read like a Roman. This course introduces students to all essential Latin grammar, vocabulary, and forms, while emphasizing critical reading skills. Readings include selections from Latin prose and poetry that illustrate key concepts and events from Roman civilization.

- 2110 Ovid (4 sem. hours).** Selected readings from the poetry of Ovid illustrate Ovid's blazing wit, masterful artistry, and sardonic view of the relations between mortals and immortals. Offered in rotation.
- 2120 Virgil (4 sem. hours).** Selected readings from the Aeneid illustrate Virgil's great examination of the universal human struggle to understand fate and free will, passion and reason, the self, and society. Offered in rotation.
- 2130 Petronius (4 sem. hours).** Selected readings from the Satyricon illustrate the author's ruthless and funny portrait of Neronian Rome at its most self-indulgent. Offered in rotation.
- 2140 Catullus (4 sem. hours).** Selected readings of the Carmina illustrate this profane and personable late-Republican author's remarkable range of genre, meter, theme, and emotion. Offered in rotation.
- 2160 Cicero (4 sem. hours).** Selected readings of the speeches, letters, and philosophical works illustrate why Cicero is Latin prose. Offered in rotation.
- 2760–2763 Special Topics (1, 2, 3, or 4 sem. hours).** Readings from selected authors.
- 3770–3773 Special Topics (1, 2, 3, or 4 sem. hours).** Study of such authors as Horace, the elegists, Lucretius, Sallust, Livy, Tacitus, Juvenal, Petronius, Plautus, and Terence, and Latin composition, prose, or verse.
- 4770–4773 Special Topics (1, 2, 3, or 4 sem. hours).** Study of selected authors for advanced students.

Classical Studies: Hebrew

- 1210-1220 Introduction to Classical Hebrew (4 sem. hours).** This year-long study of Classical (ancient, biblical) Hebrew will focus on mastery of grammar, vocabulary, and syntax in order to lay the foundation for proficient reading of Hebrew texts. (This course is the same as RLST 1010 and RLST 1020).
- 2020 Classical Hebrew Readings (4 sem. hours).** This semester course will focus on a wide selection of readings in Classical Hebrew, with some attention to later forms of Hebrew, including Qumran and Rabbinic. (Same as RLST 2020).

English

Professors:

Suzanne Marrs, Ph.D.
Gregory Miller, Ph.D.

Associate Professors:

Laura E. Franey, Ph.D., Chair
Eric Griffin, Ph.D.
Anne MacMaster, Ph.D.
Austin Wilson, Ph.D. Emeritus

Assistant Professors:

Curtis Coats, Ph.D.
Anita DeRouen, Ph.D.
Steve Kistulentz, M.F.A.

Millsaps College Humanities Scholar in Residence:

Peggy Prenshaw, Ph.D.

Requirements for major: Students may complete a major in English with 40 semester hours in 10 courses in English. Required courses include ENGL 1000 Introduction to Interpretation, ENGL 2010 and ENGL 2020 British and American Literary History I and II, and ENGL 4900 Senior Colloquium. Of the six remaining elective courses, at least one must be identified by the English Department as an author-focused course and at least one must focus on literary works written before 1800. The remaining courses may be chosen from any of the department's offerings, but no more than one course designated ENGL 2440-2450 (a course originating in another department but cross-listed with English) may be used to satisfy the major requirements for English.

One Core topics course with a literature focus and taught by an instructor from the English department or two semesters of Heritage may be counted as one of the electives.

The grade in any course fulfilling major requirements must be C- or higher. All requirements for the major not taken at Millsaps must be approved in advance by the department chair.

Requirements for the major in English with a concentration in creative writing: Students who fulfill the requirements for a major in English may also take a concentration in creative writing upon the successful completion of the following courses:

- English 2400, Introduction to Creative Writing,
- Two courses designated by the English department as intermediate courses in creative writing, each focusing on a different genre, and
- English 3900, Senior Workshop in Creative Writing.

Requirements for the minor in English: Students may elect a minor in English with 20 semester hours in five courses, including ENGL 1000 Introduction to Interpretation, ENGL 2010 and ENGL 2020 British and American Literary History I and II. One Core topics course with a literature focus taught by an instructor from the English department or two semesters of Heritage may be counted as one of the courses for the minor. The grade in any course fulfilling minor requirements must be C- or higher.

Requirements for a minor in creative writing: Non- English majors may choose a minor in creative writing by completing the following courses (20 semester hours):

- English 1000 Introduction to Interpretation
- English 2400 Introduction to Creative Writing
- Two courses designated by the English department as intermediate courses in creative writing, each focusing on a different genre,
- English 3900: Senior Workshop in Creative Writing

Requirements for the major in Communications: Students may complete a major in Communications with 40 semester hours in 10 courses. Required courses include ENGL 1000 Introduction to Interpretation, COMM 2000 Introduction to Communications, COMM 1000 Public Speaking, one course that provides a historical, cultural, or theoretical perspective on communication (see approved course list below), three courses in Written Communication and Visual Communication (see approved course list below), two electives selected from the Communications offerings, and COMM 4900 Senior Seminar (Courses approved to satisfy the requirement for a historical, cultural, or theoretical perspective include the following: Any COMM class designated as fulfilling this requirement; any English course at the 2000 or 3000 level (except Internships); any Art History course except Museum Studies, Museum Studies Internship and Senior Seminar; PHIL 2300 Philosophy of Film, SOAN 2500 Sociolinguistics, SOAN 3710/PSYC 3170 Social Psychology, and SOAN 4200 Social and Cultural Theory.

The three courses used to fulfill the requirement in Written Communication and Visual Communication must be chosen from the following list of approved courses. Students must choose two courses from one area and one course from the remaining area.

Written Communication:

- ENGL 2400 Introduction to Creative Writing
- ENGL 2410 Expository Writing
- ENGL 2430 Journalism
- ENGL 3430 Advanced Journalism (when the course is focused on print journalism)
- ENGL 3420 Writing and Reading Creative Nonfiction
- ENGL 3450 Writing for New Media

Visual Communication

- ARTS 2240 Beginning Photography
- ARTS 2260 Beginning Digital Arts
- ARTS 3360 Intermediate Digital Arts
- ARTS 2750 Introduction to Filmmaking
- CSCI 2440 Multimedia Principles and Design
- ENGL 3430 Advanced Journalism (when the course is focused on photojournalism)
- Any filmmaking course approved by the chair of the English Department.

Students are strongly encouraged to select an academic internship as one of their electives in communications.

The grade for any course satisfying the major requirements must be a C- or higher. All requirements for the major not taken at Millsaps must be approved in advance by the department chair.

Requirements for the minor in Communications: Students may elect the minor in Communications with 20 semester hours in five courses, including COMM 1000 Public Speaking, COMM 2000 Introduction to Communications, and one course chosen from the

list of approved courses in Written and Visual Communication that appears in the description of the Communications major above. No more than four hours of internship credit may be counted toward the minor. The grade in any course fulfilling the requirements for the minor must be C- or higher.

Students wishing to teach English on the secondary level: English majors have a number of options in preparing to teach English on the high school level. (1) They may double major in English and education and receive licensure for K-12. (2) They may minor in education and take four courses in education: IDST 1610 Human Development in Cross Cultural Perspective, EDUC 3200 Instructional Design, Implementation and Management, EDUC 3850 Field Research in Reading, EDUC 3130 Education of the Exceptional Population and practice teach one semester and receive secondary licensure. They may take the four courses in education before graduation and then practice teach after graduation (at reduced tuition), including practice teaching at military schools abroad, and receive secondary licensure; (4) After graduation from Millsaps they may choose to complete a master of arts in teaching at one of the many nearby colleges that offer that degree; (5) They may pursue an alternative route for licensure; (6) They may be certified by the Mississippi Private School Association to teach at private schools in the state without having state licensure. If you are interested in a career in teaching English in public or private schools, please consult early with your English adviser and the education department.

Literary Studies

1000 Introduction to Interpretation (4 sem. hours). This course is a prerequisite to most courses in the English department. It focuses on a variety of interpretive problems and on different kinds of texts, including films.

2010 Introduction to British Literary History I (4 sem. hours). A history of British literature from the beginnings to 1800, with an emphasis on the meaning and development of literary history.

2020 Introduction to British Literary History II (4 sem. hours). A history of British literature from 1800 to the present, with an emphasis on the meaning and development of literary history.

2110 Southern Literature and Culture (4 sem. hours). This course involves a study of Southern poets, dramatists, and/or writers of fiction in the context of the southern culture out of which and about which they write. Content will vary. Offered in alternate years.

2120 Multicultural Literature (4 sem. hours). This course will focus on various aspects of African-American, Asian-American, Chicano, Jewish, Native American, and/or other ethnic American literatures. Sometimes the focus will be comparative, and sometimes the focus will be on a particular tradition, such as African-American writing. Offered in alternate years.

2130 Women Writers (4 sem. hours). The particular writers, periods, and genres covered will vary, but the works of women writers will be read in light of their cultural contexts and of current feminist methodologies. Texts will reflect the racial and ethnic diversity of women writing in English. Offered in alternate years.

2440–2450 Interdisciplinary Studies in Literature (4 sem. hours). Courses in this category cross disciplinary boundaries and are cross-listed with another department. Possibilities include literature and history, literature and art, literature and philosophy, or literature and religion. Offered occasionally.

- 3100 Studies in Medieval Literature (4 sem. hours).** This course is designed to introduce students to a wide range of themes, genres, and texts written before 1500. The specific topics will vary in different years, but may include the romance, women's spiritual autobiography, cycle plays, or religious writings. This course may be repeated for credit with a different topic. Prerequisite: ENGL 1000 (recommended) or with permission of the instructor. This course or ENGL 3300 is offered in alternate years.
- 3110 Studies in Renaissance Literature (4 sem. hours).** This course will include the study of poets, playwrights, and prose writers of the Tudor, Stuart, and Commonwealth periods. This course may be repeated for credit with a different topic. Prerequisite: ENGL 1000 (recommended) or with permission of the instructor. Offered occasionally.
- 3120 Studies in Restoration and 18th-Century Literature (4 sem. hours).** This course will focus on a variety of themes and topics in literature from the English Restoration through the 18th century. The topics, which will vary from year to year, will include satire, the novel, drama, and Johnson and His Age. This course may be repeated for credit with a different topic. Prerequisite: ENGL 1000 (recommended) or with permission of the instructor. Offered occasionally.
- 3130 Studies in 19th-Century British Literature (4 sem. hours).** The specific content of this course will vary from year to year, with topics focusing on significant issues in Romantic and/or Victorian literature. This course may be repeated for credit with a different topic. Prerequisite: ENGL 1000 (recommended) or with permission of the instructor. Offered occasionally.
- 3150 Studies in American Literature Before 1920 (4 sem. hours).** A study of the literary history of the United States, focusing upon the poetry, drama, and/or fiction of the Colonial and Federal period, on the American Renaissance, or on the late 19th and early 20th centuries. Course content will vary from semester to semester. The course may be repeated for credit with a different topic. Prerequisite: ENGL 1000 (recommended) or with permission of the instructor. Offered occasionally.
- 3180 Studies in 20th-Century Literature (4 sem. hours).** Students will read, discuss, and write about British, American, South African, Caribbean, and other 20th century texts. The specific content will vary from year to year, but possibilities include such topics as modernism as a literary movement, the modern novel, modern and contemporary poetry, and 20th century drama. This course may be repeated for credit with a different topic. Prerequisite: ENGL 1000 (recommended) or with permission of the instructor. Offered occasionally.
- 3200 Special Studies in Literary History (4 sem. hours).** This course will involve the study of the transformations, transitions, and continuities in literary history. Specific topics will vary, but possibilities include the transition from Neoclassical to Romantic literature, the move from the Victorian to the modern period, or the development of American autobiography. This course may be repeated for credit with a different topic. Prerequisite: ENGL 1000 (recommended) or with permission of the instructor. Offered occasionally.
- 3300 Chaucer (4 sem. hours).** This course will consider Chaucer's major works, including *The Canterbury Tales* and *Troilus and Criseyde*, in the larger cultural context of the 14th century. Special attention may be given to Chaucer's experimentation with a wide variety of poetic forms. Prerequisite: ENGL 1000 (recommended) or with permission of the instructor. This course or ENGL 3100 offered in alternate years.

- 3310 Shakespeare and the Play of Genre (4 sem. hours).** This course will explore the poetic and dramatic career of William Shakespeare from the perspective of contemporary critical approaches, with particular attention to literary genre. Prerequisite: ENGL 1000 is recommended. Offered in alternate years.
- 3320 Milton (4 sem. hours).** With a primary emphasis on *Paradise Lost*, this course will consider Milton's works and his career. Prerequisite: ENGL 1000 is recommended. Offered in alternate years.
- 3330 Shakespeare and the Play of Culture (4 sem. hours).** While considering a different set of plays and secondary readings from those offered in ENGL 3310, this course will explore the poetic and dramatic career of William Shakespeare within the context of his time, with a particular focus on the theory and practice of cultural studies and/or literary theory. Prerequisite: ENGL 1000 and ENGL 3310 are recommended. Offered occasionally.
- 3340 Special Studies in Shakespeare (4 sem. hours).** While considering a different set of plays from those offered in ENGL 3310 or ENGL 3330, this course will explore areas of continuing relevance to literary studies. With Shakespearean drama providing our primary focus, the course may emphasize such special topics as gender studies, literary theory, history, or film. This course may be repeated for credit with a different topic. Prerequisite: ENGL 1000 and ENGL 3310 are recommended. Offered occasionally.
- 3350 Authorial Studies (4 sem. hours).** This course will be devoted to the works of one or more authors, focusing on their texts in the context of their lives and cultures. Possible authors include Hawthorne, James, and Wharton; Joyce and Woolf; Faulkner and Welty; or Austen and Scott. The course may be repeated for credit with a different topic. Prerequisite: ENGL 1000 (recommended) or with the permission of the instructor.
- 3500 Studies in Genre (4 sem. hours).** This course will be devoted to studying genres such as the novel, the lyric, the short story, and the drama. The particular genre will vary from year to year; students may repeat the course for credit when the topic is different. Prerequisite: ENGL 1000 is (recommended) or the permission of the instructor.
- 3540–3542 Film Studies (1, 2, or 4 sem. hours).** This course will consider the cultural and artistic significance of film. The content of the course will vary, potentially emphasizing such issues as the relationship between film and another genre, films of a particular period or style, or the history of film.
- 3550 History of Literary Criticism (4 sem. hours).** This course includes an historical survey of major theorists and movements from the ancient world through postmodernism. Prerequisite: ENGL 1000 is recommended. Offered occasionally.
- 3570 Theory and Practice of Narrative (4 sem. hours).** This course addresses the nature of narrative with attention given to some of the leading theorists of narrative and to the reading of selected narratives—drawn from fables, myths, poems, short stories, and novels, as well as historical narratives, case studies, and movies—in light of these theories. Prerequisite: ENGL 1000 is recommended. Offered occasionally.

3750 Special Topics in Literature and Culture (4 sem. hours). The specific content will vary, but this course will consider the interplay of texts and their cultural or multi-cultural contexts; the course may focus on such topics as new literature in English or on literature and popular culture in Victorian England. Offered occasionally.

3800–3803 Directed Study in English (1, 2, 3 or 4 sem. hours). If students wish to pursue a subject or problem beyond the standard curricular offerings, they must plan such a course with an instructor and obtain that instructor's permission to register for this option.

3852 Internships in English (2 sem. hours). Under the guidance of an English department faculty sponsor, students may elect to take up to two internships (each worth two semester hours), working in such areas as public relations, advertising, theatre, or journalism.

4900 Senior Colloquium (4 sem. hours). English majors are required to take this course designed to help students consolidate and build on their studies.

Writing

2400 Introduction to Creative Writing (4 sem. hours). Students will study the forms, techniques, and processes of fiction, poetry, or script writing by reading models and by practicing their own writing. Students will discuss their own writing in the context of readings from traditional and contemporary works. The specific focus of the course will vary from year to year.

102 | **2410 Expository Writing (4 sem. hours).** This course will focus on the art of essay writing in various modes. Required readings will vary, but there will always be a substantial amount of writing and revising. Offered occasionally.

2430 Journalism (4 sem. hours). This basic course teaches the skills of news writing and reporting, including the history and principles of journalism and the techniques of layout and copywriting. Offered occasionally.

3400–3402 Writing and Reading Fiction (2 or 4 sem. hours). An advanced class in the reading and writing of fiction. Prerequisite: ENGL 2400 or with the permission of the instructor. Offered occasionally.

3410–3412 Writing and Reading Poetry (2 or 4 sem. hours). An advanced class in the reading and writing of poetry. Class time will be divided between discussing poems by writers outside the class and by students in it. Prerequisite: ENGL 2400 or the permission of the instructor. Offered occasionally.

3420 Writing and Reading Creative Nonfiction (4 sem. hours). Students will read and study examples of published nonfiction (the personal essay, the memoir, etc.) and will write their own creative nonfiction. Prerequisite: ENGL 2400 or permission of the instructor. Offered occasionally.

3430 Advanced Journalism (4 sem. hours). In this course, students will study aspects of advanced journalism and learn to communicate in particular modes that may change each time the course is taught. Topics might include feature writing and cultural criticism, digital photojournalism, and digital publishing. Prerequisite: ENGL 2430. Offered occasionally.

3450 Writing for New Media (4 sem. hours). An investigation of the approaches, styles, and challenges of writing in a Web 2.0 environment. Offered occasionally.

3760–3762 Special Projects in Writing (1, 2, or 4 sem. hours). This course is designed for students who want to pursue an independent writing project beyond work done in one of the established courses. Students must obtain permission of the instructor to register for this option.

3900 Senior Workshop in Creative Writing (4 sem. hours). Students writing in a variety of genres will work together to complete substantial creative projects. Prerequisites: ENGL 2400 and two courses designated by the English department as intermediate courses in creative writing, or the consent of the instructor

Communications

1000 Public Speaking (4 sem. hours). Students will study principles and strategies for effective oral communication. The course will emphasize principles of rhetoric, while teaching students methods for researching, organizing, and delivering various kinds of speeches. It will also explore ethical, social, and political issues surrounding public address.

2000 Introduction to Communications (4 sem. hours). An introduction to the processes of communication through analysis of interpersonal and intercultural communication, communication in groups, and communication in organizational settings. Includes introduction to principles of advertising and public relations, as well as the history of journalism and mass media in the United States.

2100 History of the Media (4 sem. hours). Survey of the origin and development of media, including print newspapers, magazines, radio, television, film, and the worldwide web/internet. May be used to satisfy the historical/cultural/theoretical requirement for the major. Offered in alternate years.

2400 Communication Ethics (4 sem. hours). A study of the moral and legal issues involved in the creation and consumption of media products. This course will also examine principles of free speech as well as ethical issues in interpersonal, intercultural, and professional/business communication. May be used to satisfy the historical/cultural/theoretical requirement for the major. Offered in alternate years.

3000 Interdisciplinary Studies in Communications (4 sem. hours). Courses in this category cross disciplinary boundaries and are cross-listed with another department.

3100 Studies in Mass Media and Mass Communications (4 sem. hours). Exploration of a specific topic within the field of mass media and mass communications. Course topics change each time the course is offered. Offerings could include such topics as mass media law, civic journalism and the history of the alternative press, crisis communications, persuasion and propaganda, and media, myth, and ritual. Pre-requisite: COMM 2000

3200 Studies in Advertising and Public Relations (4 sem. hours). The specific content will vary, but this course will consider topics related to publication, radio, and television advertising, the creation and management of ideas and images in corporate (for-profit and not-for-profit) environments, and the historical context of public relations in the United States. Prerequisite: COMM 2000. Offered every three years.

3400 Studies in Intercultural Communication (4 sem. hours). The specific content will vary, but this course will consider the relationship between communication and culture through study of communications within and between ethnic groups, social classes, and other communities. Topics could include communication between or within genders and racial/ethnic groups and ethnography and communicative environments. May be used to satisfy the historical/cultural/theoretical requirement for the major. Prerequisite: COMM 2000. Offered every three years.

3500 Studies in Rhetoric (4 sem. hours). A focused examination of one model, theory, or theorist in the field of rhetoric. Course topics change each time the course is offered. Offerings could include the rhetoric of social movements, public rhetoric, religious rhetoric, or the work of a particular theorist such as Kenneth Burke. Prerequisite: COMM 2000. Offered every three years.

3600 Organizational and Business Communication (4 sem. hours). An investigation of communication within organizations and the public. Involves discussion of various decision-making systems, as well as communication strategies adapted by employers and employees in relating among themselves and with outside publics. Prerequisite: COMM 2000. Offered every three years.

3750 Special Topics in Communications (4 sem. hours). This course offers examination of fields within communications that are not covered by regularly-scheduled courses in the Communications curriculum. May be repeated for credit with a different topic. Prerequisite: COMM 2000 or permission of the instructor.

3800-03 Directed Study in Communications (1, 2, 3 or 4 sem. hours). Students wishing to study a problem or subject outside the normal communications curriculum may pursue an independent study under the supervision of a faculty member. Permission of the department chair required. Prerequisite: COMM 2000.

3850-52 Communications Internship (2 or 4 sem. hours). Off-campus or on-campus professional experience in fields such as print or broadcast journalism, public relations, advertising, theater, or new media. Highly encouraged but not required of all students majoring in Communications. Permission of the department chair required. Prerequisites: COMM 1050 and COMM 2000.

4900 Senior Seminar in Communications (4 sem. hours). This course is designed to help students acquire more advanced skills and develop more advanced critical thinking in the field of communications. Required for the major.

History

Elizabeth Chisholm Chair of Arts and Letters

Professor:

Robert S. McElvaine, Ph.D., Chair
William K. Storey, Ph.D.

Associate Professors:

David C. Davis, Ph.D., Interim Vice-President, Dean of Academic Affairs
Amy W. Forbes, Ph.D.
Kristen Tegtmeier Oertel, Ph.D.

Assistant Professor:

Andrew Paxman, Ph. D.

Visiting Assistant Professor:

Nicholas G. Brown, Ph.D. Candidate

Requirements for major: Students may complete a major in history with 40 semester hours in 10 courses, including both semesters of History of the United States (HIST 2100 and HIST 2200), Senior Seminar (HIST 4900), plus two additional courses at the 2000-level (HIST 2310, HIST 2350, HIST 2400, HIST 2410, HIST 2500, HIST 2600, HIST 2610). One Core topics course taught by an instructor from the history department may be used to meet the requirements of the history major. Heritage may be counted as one four-hour course toward the ten-course requirement.

Requirements for minor: Students may elect a minor in history with 20 semester hours in five courses, including both semesters of History of the United States (HIST 2100 & 2110) plus one more course at the 2000-level.

Courses

2100 History of the United States to 1877 (4 sem. hours). A survey of the cultures and history of the peoples that lived in the area that became the United States, from the pre-Columbian era through European colonization, the introduction of African slaves, the American Revolution, the early Republic, the Civil War, and Reconstruction.

2200 History of the United States Since 1877 (4 sem. hours). A survey of the main developments in the United States and how they affected American men and women from the end of Reconstruction through industrialization and urbanization, the emergence of the United States as a world power, the rise of a partial welfare state, the Cold War, and the present.

2310 Ancient European History (4 sem. hours). A survey of the Mediterranean world from the Bronze Age to 200 C. E., with a topical emphasis on Classical Greece, The late Roman Republic, and the Early Roman Empire and with a methodological stress on reading, analyzing, and interpreting ancient sources in translation. (This course is the same as CLST 3600). Offered in alternate years.

2350 European Civilization Since 1789 (4 sem. hours). This course is a survey of the major social, political, economic, and intellectual developments in European history from the French Revolution of 1789 to the revolutions in Eastern Europe in 1989/1990. Lectures and discussions will be devoted to understanding the influence of ideology (liberalism, conservatism, socialism, nationalism) on social and political life; the role of material factors (economic change, urbanization, the experience of warfare) in historical change; and the global expansion of Europe and the extension of European ideas and institutions to other peoples of the world.

2400 African History and Society (4 sem. hours). An interdisciplinary survey of major themes in African history from the earliest records of human activity on the continent to the struggles for South Africa. Literature, music, art, and popular culture will be studied as ways of understanding the complex contemporary issues faced by Africans. Offered in alternate years.

2410 Topics in African History (4 sem. hours). An interdisciplinary examination of a particular topic, period, or region in African history. The topics, which include the shaping of South Africa, and listening to the African past, will change from year to year. This course may be repeated for credit with a different topic. Offered occasionally.

2500 Middle Eastern History and Society (4 sem. hours). An interdisciplinary survey of major themes in Middle Eastern history from the advent of Islam to the war in Iraq. Literature, music, art, and popular culture will be studied as ways of understanding the contemporary issues faced by men and women of this region. Offered in alternate years.

106 | **2600 Colonial Latin America (4 sem. hours).** This course will begin by surveying pre-Columbian societies and then follow Latin American history from 1492 to the independence era of 1791-1825. It will consider the central questions of how Spain & Portugal subjugated territories so vast without a large standing army, the colonial roots of the differences between British North America and Spanish and Portuguese America.

2610 Modern Latin America (4 sem. hours). This course will survey Latin American history from the independence era to the present. There will be a particular focus on Mexico, Brazil, and Argentina. Themes considered include nation building, revolutions, populism, race and class, the mass media, democratization, and relations with Europe and the United States.

2750 Special Topics in History (4 sem. hours). This course addresses areas not covered in other courses. It may be repeated for credit with different topics. Offered occasionally.

3100 Topics in American Culture (4 sem. hours). An interdisciplinary exploration of a particular topic in American culture. Topics will change from year to year. This course may be repeated for credit with a different topic. Offered occasionally.

3110 Colonial America (4 sem. hours). This course examines major economic and political events, such as the European settlement of Jamestown, Virginia, and the Salem Witch Trials. But this is not a survey of colonial American history; instead it is primarily a social and cultural exploration of four regions (the Chesapeake, New England, the Carolina, and Louisiana/Mississippi) where Europeans, Indian, and

Africans together built what would become the United States of America. Thus, we will learn about colonial Native American family structure and the working lives of black slaves, in addition to studying more popular figures like Cotton Mather and John Smith.

3130 American Revolution and Beyond (4 sem. hours). An examination of the political, economic, social, and cultural events that led to the American Colonial revolt against Britain and the establishment of the Federal Union in the Constitution of 1787, and the early Republic from the administration of George Washington to Thomas Jefferson. Offered occasionally.

3130 Age of Jefferson and Jackson, 1800–1848 (4 sem. hours). A continuation of American Revolution and Beyond, this course will examine the political, economic, social, and cultural history of the United States from the administration of George Washington to the conclusion of the Mexican War. Offered occasionally.

3140 Civil War and Reconstruction (4 sem. hours). An examination of the political, economic, military, diplomatic, and social aspects of the Civil War and Reconstruction periods.

3150 History of Sexuality in the U. S. (4 sem. hours). This course examines the history of sexuality from the colonial period through the twentieth century, with particular attention to the relationship between power and sexuality. We will explore sexual practices among the Puritans, Native Americans, and slave populations and will also study the growth of prostitution in the 19th-century American city. Finally, we will study homosexuality among all populations, but especially in urban areas during the twentieth century.

3160 The History of Medicine and Health in the U. S. (4 sem. hours). This course examines the history of medicine and health from the colonial era to the present. It takes a cultural and social perspective. Emphasis will be paid to the ways in which politics, cultural beliefs, and religious values have been an integral part of the history of medicine and public health. Readings, lectures and discussion will focus on the practice of medicine; they will examine healers, patients, therapies, and medical innovations. We will cover such topics as the emergence of the medical profession, the rise of the hospital, the roles of the laboratory and medical technology in modern medicine, and the range of choices faced by physicians and patients in their efforts to promote health. Students will produce a scholarly paper based on original research in medical history at the Mississippi State Archives.

3170 African-American Heritage (4 sem. hours). This course will explore the history and culture of African-Americans from the Colonial era to the Civil Rights decades of the mid-20th century. Careful attention will be paid to the Atlantic slave trade, slavery, emancipation, Reconstruction, the “Great Migration” of 1915–40, and the Civil Rights movements of the 1950s and ’60s. Offered in alternate years.

3210 The Great Depression (4 sem. hours). An interdisciplinary examination of American history and culture during the Great Depression (1929–41), utilizing literature, film, music, painting, and photography, as well as more traditional historical sources. Offered in alternate years.

- 3220 The Forties and Fifties (4 sem. hours).** An interdisciplinary examination of American history and culture from World War II through the 1950s, utilizing literature, film music, and painting, as well as more traditional historical sources. Offered in alternate years.
- 3230 The Sixties (4 sem. hours).** An interdisciplinary examination of American history and culture during the 1960s, utilizing literature, film, music, painting, and sculpture, as well as more traditional historical sources. Offered in alternate years.
- 3240 The Seventies and Eighties (4 sem. hours).** An interdisciplinary examination of American history and culture from the Nixon years through the 1980s, utilizing literature, film, music, and painting, as well as more traditional sources. Offered in alternate years.
- 3250 Our Times: America Since 1970 (4 sem. hours).** An interdisciplinary examination of American history and culture from 1970 to the present, utilizing literature, film, music, painting, and sculpture, as well as more traditional historical sources. Offered in alternate years.
- 3260 Women (and Men) in America (4 sem. hours).** An interdisciplinary examination of the history of women and the ways in which they have interacted with men and male-dominated institutions over the course of American history. The course will employ works of literature, art, film, and music among its means of exploring the changing lives of women and men in America. Offered in alternate years.
- 3300 Topics in European Culture and History (4 sem. hours).** An interdisciplinary examination of a particular topic, period, or region of European culture. Topics will change. This course may be repeated for credit with a different topic. Offered occasionally.
- 3310 Britain and the World, 1688–1914 (4 sem. hours).** This course surveys the history of Britain and the British Empire in the 18th and 19th centuries, paying close attention to the relationship between industrialization, environmental change, and political culture. Offered in alternate years.
- 3320 Britain and the World, 1914 to the present (4 sem. hours).** This course surveys the history of Britain and the British Empire in the 20th century, paying close attention to the impact on culture of decolonization and the World Wars. Offered in alternate years.
- 3340 The French Revolution and Napoleon (4 sem. hours).** This course aims to give a thorough introduction to the French Revolution and to its effects on the course of world history. The scope of the course will cover politics, social conflict, cultural developments, warfare, economics, nationalism, and gender relations. Offered occasionally.
- 3350 History of Modern France (4 sem. hours).** This course examines the history of modern France—the political, social, cultural, economic, scientific, artistic, ideological, and institutional history of France as a nation and the French as a people from the age of absolutism (roughly 1650) to the socialist era of the 1980s and 1990s. Particular attention will be paid to construction of the French nation, cultural and social self-definition, colonial interaction, and sociopolitical relationships between France and other nations. Offered occasionally.

3360 European Women (4 sem. hours). This course examines the experience of women and the meaning of gender in Europe from the 18th century to the present. Particular attention will be paid to the following: the impact of industrialization on the European family; the Victorian construction of separate spheres; the role of the state in defining gender roles and regulating sexuality; the impact of war on gender relations; and the struggle for political rights. Offered occasionally.

3370 Art and Power in Europe: Ritual, Myth, and Propaganda, from the Emperor Augustus to the House of Windsor (4 sem. hours). This course analyzes the role of rituals, myths, and propaganda in politics. Throughout Western history, cultural means have been used to create, express, or legitimate political power. This course investigates how paintings, films, poems, and ceremonies have been manipulated to bolster the political authority of rulers, including Louis XIV, Hitler, and Elizabeth II. Offered in alternate years.

3380 Introduction to Cultural History (4 sem. hours). This course explores the importance of culture in shaping modern European history. Students will examine various methodologies of cultural history and see how historians analyze key shifts in modern Europe by using diverse (and often bizarre) documents. In particular, the class will compare works on political culture, popular culture, and manufactured or commercial culture. Offered occasionally.

3500 Topics in Middle Eastern History (4 sem. hours). An interdisciplinary examination of a particular topic, period, or region in Middle Eastern history. The topics, which include the twice-promised land and Islam in history, will change from year to year. This course may be repeated for credit with a different topic. Offered in alternate years.

3610 Latin America on Film (4 sem. hours). This course will study the cinematic representation of Latin American history and society, from 1492 to the present. We will look at three kinds of cinema: (i) Latin American films depicting local history; (ii) U.S. and European films depicting Latin American history and society; and (iii) Latin American films that serve as historical documents.

3620 Revolutionary Mexico (4 sem. hours). An examination of the Mexican Revolution of 1910-1920: its causes, its process, and its legacy from 1920 until the present. We will survey politics, industry, social change, and the arts, including songs, murals, and films.

3710 Environment, Technology, and Power (4 sem. hours). This course will address the mutual shaping of environmental, technological, and political changes by looking at case studies from around the world. Particular attention will be paid to agriculture, climate, and disease, as well as energy, forestry, and industry.

3720 Biography as History (4 sem. hours). A two-part course. In the first half of the semester we will study biographies of men and women, both famous and little-known, from the USA, Europe, and Latin America. In the second half, students will research and write a short biography of a subject of their choice.

3750 Special Topics in History (4 sem. hours). This course addresses areas not covered in other courses. It may be repeated for credit with different topics. Offered occasionally.

3760 Special Topics in Comparative World History (4 sem. hours). An interdisciplinary examination of a topic in comparative world history. Offered occasionally.

4750 Special Topics in History (4 sem. hours). This course addresses areas not covered in other courses. It may be repeated for credit with different topics. Offered occasionally.

4800-4802 Directed Study (1, 2, 3, or 4 sem. hours).

4810-4813 Internship – Archives (1, 2, 3, or 4 sem. hours).

4820 Teaching Internship (4 sem. hours).

4850-53 History Internship (1, 2, 3, or 4 sem. hours).

4900 Senior Seminar (4 sem. hours). An examination of how history is written and interpreted and of particular problems in history. May be taken by students who have two courses in history and is required for all history majors.

Modern Languages

Associate Professors:

Priscilla M. Fermon, Ph.D.

Ramon A. Figueroa, Ph.D.

Robert J. Kahn, Ph.D.

Assistant Professors:

Sarah W. Bares, Ph.D., Director of the Language Resource Center

Judith Caballero, M.A.

Claudine Chadeyras, Ph.D., Chair

Requirements for major: Students may complete a major in French or Spanish by satisfying the language requirement and successfully completing 2110 and a minimum of 24 semester hours in six courses beyond 2110. Students who place out of 2110 are required to substitute that major course requirement with a course numbered above 2110. At least two of the six courses beyond 2110 must be literature courses taken at Millsaps, and both literature courses must be completed before taking the comprehensive exam in the target language. It's strongly recommended that students take, at a minimum, a third course in literature. For the French major, one of the six courses beyond 2110 must be a Millsaps College course in textual analysis, either from the catalog list of literature courses offered in French or from the following list: ENGL 1000, CLSC 3000 (or 3100 or 3200), or PHIL 1000. For the Spanish major, two of the six courses beyond 2110 must be Spanish 3000 and Spanish 3110. In order to become more proficient in a foreign language, significant time must be spent speaking it. It is strongly encouraged that all majors have a long-term language immersion experience. Transfer of credit to be counted towards the major is subject to departmental approval. A grade of C- or higher is required for courses in the major at the 2110 level and beyond.

Requirements for minor: Students may elect a minor in French or Spanish by satisfying the language requirement and successfully completing 2110 and a minimum of 12 semester hours in three courses beyond it. At least one of the three courses beyond 2110 must be a literature course. All courses beyond the intermediate level must be taken at Millsaps. Students

who place out of 2110 are required to substitute that minor course requirement with a course numbered above 2110. In order to become more proficient in a foreign language, significant time must be spent speaking it. We therefore strongly encourage that all minors have a language immersion experience.

Language requirement and placement test: The Department of Modern Languages administers its own placement test. The test is compulsory for students who wish to continue their work in a language they studied in high school. Students beginning a new language are not required to take the placement test.

According to the placement test scores, students will either satisfy the language requirement or will be placed into 1000, 1010, 2000, or 2110. Academic credit will be awarded only for courses taken. Students may present transcripts verifying that they have completed the equivalent of Millsaps basic and intermediate language courses taken at other institutions, thereby satisfying the language requirement.

To satisfy the language requirement, students must demonstrate proficiency at the intermediate level by successfully completing a course in 2000, 2110, or its equivalent.

International study: Transfer of credit for language courses taken abroad in programs not administered by Millsaps is subject to departmental pre-approval. Copies of the catalog with the course description must be submitted for pre-approval to the department chair by the following dates: October 1 for the following spring semester; February 1 for the following summer semester, April 1 for the following fall semester. Students may be required to do additional work in order to receive credit. For further information about international study opportunities, see sections on International Study and Study Abroad.

Directed Independent Language Study

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DILS 1052 Survival Japanese (2 sem. hours). Intended to allow students to more fully experience the culture of Japan by allowing them to communicate on a very basic level with Japanese people. Students will practice basic communication skills such as greetings, farewells, expressions of thanks, directions, addresses, and numbers that will allow them to move more easily in a Japanese-only environment. Learning takes place independently and with the assistance of a tutor; supervising faculty administers midterm and final exams. By special application to the chair only. Does not count towards the language requirement.

French

1000 Basic French I (4 sem. hours). An introduction to the essentials of vocabulary, grammar, and sentence structure. Primary emphasis on understanding and speaking. Secondary emphasis on reading and writing. Intended for students with no prior study of French. A minimum of one hour per week in the language laboratory in addition to class meetings is required.

1010 Basic French II (4 sem. hours). Continuation of Basic French. A minimum of one hour per week in the language laboratory in addition to class meetings is required. Prerequisite: FREN 1000 or placement test score.

1052 French Conversation (2 sem hours). Elementary practice in listening comprehension of French and in speaking French. This course is offered only during summer to students who are completing 1010, and primarily as part of our Summer Program in France. Prerequisite: French 1000 or placement test score. This course does not count toward the language requirement.

2000 Intermediate French (4 sem. hours). Building on Basic French, this course focuses on the practical application of basic listening and speaking skills and expands students' reading and writing skills. A minimum of one hour per week in the language laboratory in addition to class meetings is required. Prerequisite: FREN 1010 or placement test score.

2050-2053 Intermediate Conversation (1-4 sem. hours). Designed for students at the intermediate level wishing to improve their pronunciation, vocabulary, and conversational skills. Topics include French culture and current events. May be taken concurrently with a 2000-level course. Taught in French. Taught primarily in our summer program in France. Offered occasionally during the school year with consent of the instructor.

2110 Contemporary French Culture (4 sem. hours). This transition course concentrates on reading skills in a conversational classroom environment. It is designed to help students attain a level of linguistic proficiency and cultural understanding that will allow them to interact effectively with speakers of French. Taught primarily in French. Prerequisite: FREN 2000, or its equivalent, or placement test score. Required for all further study of French.

2120 French for the Professions (4 sem. hours). Designed to improve students' knowledge of a chosen field (such as law, medicine, education, banking, sociology, etc.) and their ability to communicate, especially in writing. Taught in French. Prerequisite: FREN 2110. Offered occasionally.

2750 – 2753 Special Topics (1-4 sem. hours). Study of specific aspects of French literature, language, or culture at the intermediate level. Taught in French. This course may be repeated for credit with a different topic. Taught primarily in our summer program in France. Offered occasionally during the school year. Prerequisite: FREN 2000, or its equivalent, or placement test score.

2751 French Across the Curriculum (1 sem. hour). Under a French instructor's guidance, students read and discuss texts related to a course in another discipline. Taught in French. This course may be repeated for credit with a different topic. Prerequisite: FREN 2000 and consent of the instructor. Offered on demand.

3200 Survey of French Literature up to the Revolution (4 sem. hours). A close study of the major works produced in France from the Middle Ages to the Revolution. Taught in French. Prerequisite: FREN 2110. Offered in alternate years.

3210 Survey of French Literature after the Revolution (4 sem. hours). A close study of the principal literary works produced in France from the time of the Revolution to the present. Taught in French. Prerequisite: FREN 2110. Offered in alternate years.

3220 French Civilization up to the Revolution (4 sem. hours). This course focuses on the art, history, literary accomplishments, and cultural aspirations of French-speaking people up to the Revolution. Taught in French. Prerequisite: FREN 2110. Offered in alternate years.

3230 French Civilization after the Revolution (4 sem. hours). This course focuses on the art, history, literary accomplishments, and cultural aspirations of French-speaking people from the time of the Revolution to the present. Taught in French. Prerequisite: FREN 2110. Offered in alternate years.

3750 - 3753 Special Topics (1-4 sem. hours). Study of specific aspects of French literature, language, or culture at the junior level. Taught in French. This course may be repeated for credit with a different topic. Taught primarily in our summer program in France. Offered occasionally during the school year. Prerequisite: 2110.

3850-3853 Internship (1- 4 sem. hours). An internship in which a student works, under the supervision of the Modern Languages department, in a place where French is used. Prerequisite: 2110 and consent of the Chair of Modern Languages.

4750 Special Studies in French (4 sem. hours). Advanced, in-depth study of specific aspects of French literature, language, or culture, such as advanced grammar, Medieval and Renaissance literature, 17th-century theatre, 18th-century narrative, 19th-century novel, and 20th-century theatre. Taught in French. This course may be repeated for credit with a different topic. Prerequisite: FREN 2110.

4850 – 4853 Internship (1 – 4 sem. hours). An internship in which a student works, under the supervision of the Modern Languages department, in a place where French is used. Prerequisite: 2110, completion of a course at the 3000 level and consent of the Chair.

Modern Languages

4800–4803 Directed Study in French (1–4 sem. hours). For advanced students who wish to do reading and research in special areas under the guidance of an instructor. Prerequisite: FREN 2110 and consent of the department chair.

4900 Senior Seminar (4 sem. hours). In this capstone course, senior majors reflect on the role their undergraduate degree in French plays within the larger context of their liberal arts experience. Offered only in spring.

Spanish

1000 Basic Spanish I (4 sem. hours). An introduction to the essentials of vocabulary, grammar, and sentence structure. Primary emphasis on understanding and speaking. Secondary emphasis on reading and writing. Intended for students with no prior study of Spanish. A minimum of one hour per week in the language laboratory in addition to class meetings is required.

1010 Basic Spanish II (4 sem. hours). Continuation of Basic Spanish. A minimum of one hour per week in the language laboratory in addition to class meetings is required. Prerequisite: SPAN 1000 or placement test score.

1050 - 1053 Survival Spanish (1-4 sem. hours). This course is intended for students with little or no previous knowledge of the language. It will acquaint students with the basics of communication for travel or personal/professional enrichment. It does not count towards the language requirement for the B.A., nor for the major or minor in Spanish. Only offered in our summer program in Costa Rica.

2000 Intermediate Spanish (4 sem. hours). Building on Basic Spanish, this course focuses on the practical application of basic listening and speaking skills, and expands students' reading and writing skills. A minimum of one hour per week in the language laboratory in addition to class meetings is required. Prerequisite: SPAN 1010 or placement test score.

2050-2053 Intermediate Conversation (1-4 sem. hours). Designed for students at the intermediate level wishing to improve their pronunciation, vocabulary, and conversational skills. Topics include French culture and current events. May be taken concurrently with a 2000-level course. Taught in French. Taught primarily in our summer program in France. Offered occasionally during the school year with consent of the instructor.

2110 Contemporary Hispanic Culture (4 sem. hours). This transition course concentrates on reading skills in a conversational classroom environment. It is designed to help students attain a level of linguistic proficiency and cultural understanding that will allow them to interact effectively with speakers of Spanish. Taught primarily in Spanish. Prerequisite: SPAN 2000, or its equivalent, or placement test score. Required for all further study of Spanish.

2120 Spanish for the Professions (4 sem. hours). Designed to improve students' knowledge of a chosen field (such as law, medicine, education, banking, sociology, etc.) and their ability to communicate, especially in writing. Taught in Spanish. Prerequisite: SPAN 2110. Offered occasionally.

2152 Learning Spanish Through Service Learning (2 sem. hours). Designed to improve students' performance in Spanish in an immersion setting and to learn about Hispanic culture and social conditions first hand by means of service learning. Taught in Spanish. Prerequisite: SPAN 1010. Offered in our summer program in Costa Rica.

2750 – 2753 Special Topics (1-4 sem. hours). Study of specific aspects of Hispanic literature, language, or culture at the intermediate level. Taught in Spanish. This course may be repeated for credit with a different topic. Taught primarily in our summer program in Costa Rica. Offered occasionally during the school year. Prerequisite: 2000, or its equivalent, or placement test score.

2751 Spanish Across the Curriculum (1 sem. hour). Under a Spanish instructor's guidance, students read and discuss texts related to a course in another discipline. Taught in Spanish. This course may be repeated for credit with a different topic. Prerequisite: SPAN 2000 and consent of the instructor. Offered on demand.

3000 Advanced Grammar and Composition (4 sem. hours). This course is designed to allow students to consolidate and integrate grammatical concepts previously learned, and to enable them to explore the structures of expository writing. Taught in Spanish. Prerequisite: SPAN 2110.

3110 Ways of Reading, Ways of Writing (4 sem. hours). This course is an introduction to the critical reading of Hispanic texts and allows students to further develop their analytical skills in writing. This course may count, for the minor only, as a literature course. Taught in Spanish. Prerequisite: SPAN 2110.

3200 Survey of Peninsular Literature up to 1700 (4 sem. hours). A close study of the principal literary works produced in Spain from the Middle Ages up to 1700. Taught in Spanish. Prerequisites: SPAN 3000 and SPAN 3110 (or one of these courses with consent of the department chair). Offered occasionally.

- 3210 Survey of Spanish-American Literature through Modernism (4 sem. hours).** A close study of the principal literary works produced in Spanish America from Colonial time through the 19th century. Taught in Spanish. Prerequisites: SPAN 3000 and SPAN 3110 (or one of these courses with consent of the department chair). Offered occasionally.
- 3220 Spanish Civilization (4 sem. hours).** This course focuses on the art, history, literary accomplishments, and cultural aspirations of Spain. Taught in Spanish. Prerequisites: SPAN 3000 and SPAN 3110 (or one of these courses with consent of the department chair).
- 3300 Survey of Peninsular Literature from the 18th Century to the Present (4 sem. hours).** A close study of the principal literary works produced in Spain from the 18th century to the present. Taught in Spanish. Prerequisites: SPAN 3000 and SPAN 3100 (or one of these courses with consent of the department chair). Offered occasionally.
- 3750 - 3753 Special Topics (1-4 sem. hours).** Study of specific aspects of Hispanic literature, language, or culture at the junior level. Taught in Spanish. This course may be repeated for credit with a different topic. Taught primarily in our summer program in Costa Rica. Offered occasionally during the school year. Prerequisite: 2110.
- 3770 Modernism—Post-Modernism (4 sem. hours).** A comparison, contrast, and analysis of two main periods in modern Spanish-American literature, focusing on modernist poetry, and postmodernist prose. Taught in Spanish. Prerequisites: SPAN 3000 and SPAN 3110 (or one of these courses with consent of the department chair).
- 3780 19th Century Hispanic Literature (4 sem. hours).** This course examines major movements of 19th century Spain and Spanish America, and it compares the two through the literature of that turbulent period. Taught in Spanish. Prerequisites: SPAN 3000 and SPAN 3110 (or one of these courses with consent of the department chair).
- 3790 Generation of 1898 (4 sem. hours).** This course focuses on the works of Spanish intellectuals at the turn of the 20th century. Taught in Spanish. Prerequisites: SPAN 3000 and SPAN 3110 (or one of these courses with consent of the department chair).
- 3850 -3853 Internship (1 – 4 sem. hours).** An internship in which a student works, under the supervision of the Modern Languages department, in a place where Spanish is used. Prerequisite: 2110 and consent of the Chair of Modern Languages.
- 4750 Special Studies in Spanish (4 sem. hours).** Advanced, in-depth study of specific aspects of Hispanic literature, language, or culture. Taught in Spanish. This course may be repeated for credit with a different topic. Prerequisites: SPAN 3000 and SPAN 3110 (or one of these courses with consent of the department chair).
- 4760 Cervantes (4 sem. hours).** A study of the life and works of Miguel de Cervantes Saavedra, including his short stories and plays, as well as *Don Quixote de La Mancha*. Taught in Spanish. Prerequisites: SPAN 3000 and SPAN 3110 (or one of these courses with consent of the department chair). Offered occasionally.
- 4800–4803 Directed Study in Spanish (1–4 sem. hours).** For advanced students who wish to do reading and research in special areas under the guidance of an instructor. Prerequisite: SPAN 2110 and consent of the department chair.

4850 Internship (1- 4 sem. hours). An internship in which a student works, under the supervision of the Modern Languages department, in a place where Spanish is used. Prerequisite: 2110, 3000 (or 3110), and consent of the Chair of Modern Languages.

4900 Senior Seminar (4 sem. hours). In this capstone course, senior majors reflect on the role their undergraduate degree in Spanish plays within the larger context of their liberal arts experience. Offered only in the fall.

Performing Arts

Professor:

Timothy C. Coker, Ph.D., Chair

Associate Professors:

Cheryl W. Coker, D.M.A.

H. Lynn Raley, D.M.A.

Assistant Professors:

Rachel Heard, D.M.A.

Jeannie-Marie Brown, M.F.A.

Instructor of Music:

James C. Martin, B.M., M.M.

Music

Requirements for major in music: Students may complete a major in music with a bachelor of arts, bachelor of business administration, or bachelor of science degree. All music majors must complete a basic 36-hour program in tandem with either a music concentration or a non-music cognate concentration. The basic program includes Creating Music @ the Computer (MUSC 1002), Concept & Design I (MUSC 2000), Concept & Design II (MUSC 2010), Critical Skills & Music Analysis (MUSC 3000), The Evolution of Style in Music (MUSC 2100), Musical Style in World Cultures (MUSC 2142), Contemporary Music (MUSC 3102), Choral Conducting I (MUSC 3512), Music Study as Aesthetic Contemplation (MUSC 4902), two additional electives in music history/literature, and Seminar: Readings in Music Criticism (MUSC 4900). Participation in Singers each semester is required. All music majors must pass a keyboard proficiency test, demonstrate a minimum aural competency as defined in the theory curriculum, and attend all recitals required by the department.

Requirements for music performance concentration: Students may elect a performance concentration in piano, voice, organ, guitar, or orchestral instruments (the latter with special permission). Students may complete a performance concentration in music in tandem with the music major or any other major the College offers. The 22-hour program includes 16 hours of studio study in one performance medium, two hours of pedagogy, two hours of literature, Creating Music at the Computer (MUSC 1002), one shared “half” recital, and one solo recital. Performance concentrators must attend all recitals required by the department. Vocal concentrators must participate in Singers each semester. Concentrators are strongly encouraged to complete the practicum in their performance area.

Requirements for church music concentration: Students may elect a concentration in church music in tandem with a music major or any other major the College offers. The 22-hour

program includes six hours of studio study in one performance area, Creating Music @ the Computer (MUSC 1002), Choral Conducting I (MUSC 3512), Choral Conducting II (MUSC 3522), Church Music Literature/Hymnology (MUSC 4110), Internship for Church Musicians (MUSC 4852), and a full course elective in religion. Church music concentrators must present one solo “half” recital no earlier than the sixth semester of performance study. Church music concentrators must attend all recitals required by the department. Participation in Singers each semester is required.

Requirements for music history concentration: Students may elect a concentration in music history in tandem with a music major. The 20-hour program includes four hours of studio study in one performance area, a full course elective in history, an additional eight hours of electives in music history, and an undergraduate thesis (MUSC 4100).

Requirements for non-music cognate concentration: Music majors may elect a non-music cognate concentration in tandem with their music major. For the non music cognate concentration the student will have to double major or minor in a non-music field of study and complete a thesis (MUSC 4110) that relates the cognate study to music study. The thesis must be approved by both the music faculty and the chair of the department of the cognate field of study.

Requirements for minor in music: A student may elect a music minor alone or in tandem with a performance concentration. The 16-hour program includes Creating Music @ the Computer, Concept & Design I, The Evolution of Style in Music, and a minimum of six semesters of applied electives at one semester hour each (four of which must be in one performance area). Participation in Singers for at least four semesters is required.

Teacher Certification

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Candidates for B.A. or B.S. degrees can earn teacher certification in music by completing the following additional courses: Choral Conducting I & II, Music Methods for Today’s Schools, and the necessary courses in education, including student teaching.

General Requirements for Students of Music

All students studying applied music must attend weekly repertoire classes and take an examination before the faculty at the end of each semester.

All keyboard concentrators are required each semester to accompany either a singer, an instrumentalist, or one of the vocal ensembles.

Keyboard Proficiency

All music majors must demonstrate keyboard proficiency in the areas of sight-reading, performance, technique, and functional skills. The exam will be administered by the end of the first semester of the junior year and taken each subsequent semester until passed. Students must continue with piano lessons until the proficiency is passed. The exam must be passed as a whole. Students will not be allowed to pass portions at a time.

Piano Concentration Requirements

To enter the concentration program in piano, students should have an adequate musical and technical background and should be able to play all major and minor scales. They should have had some learning experience in all periods of the standard student repertoire, such as the Bach Two-Part Inventions, the Haydn and Mozart Sonatas, the Mendelssohn Songs without Words, and the Bartók Mikrokosmos.

Organ Concentration Requirements

To enter the concentration program in organ, the student should have completed sufficient piano study to play the Bach Two-Part Inventions, Haydn and Mozart Sonatas, and compositions by Chopin, Schumann, or Mendelssohn. The student should be able to play all major and minor scales and arpeggios.

Voice Concentration Requirements

To enter the concentration program in voice, the student should possess above-average vocal talent; evidence ability to sing with correct pitch, phrasing, and musical intelligence; know the rudiments of music; and be able to sing a simple song at sight. A student should have experience in singing works from the standard repertoire.

Upper Divisional

Performance concentrators are required to pass a special performance jury before being admitted to upper divisional status. This upper divisional exam, taken at the end of the fourth semester of applied study, consists of a 20-minute program.

1002 Creating Music @ the Computer (2 sem. hours). A study of basic music using the computer, this course emphasizes creative thinking in manipulating music gestures and culminates in an original composition. One hour of lecture and two hours of music lab per week.

118 | **15S1 Singers (1 sem. hour).** Students perform important choral works from all major style periods, often with orchestra. A cappella and accompanied presentations are balanced. Four semester hours fulfills the fine arts requirement.

1501 Ensembles (1 sem. hour). Gives students opportunities to perform significant works for small ensembles. Vocal and instrumental opportunities are offered according to student needs. To receive academic credit for these ensembles, students must enroll for both fall and spring semesters. Students enroll for audit credit during the fall. In the spring, enroll for regular one-semester-hour academic credit.

2000 Concepts and Design in Music I (4 sem. hours). Explores the basic underlying principles and concepts related to musical abstraction. Students discover and apply thought processes utilized by composers. Independent creative activities that have expressive intent form the core of student work. Aural concepts are emphasized. Fulfills the fine arts requirement.

2010 Concepts and Design in Music II (4 sem. hours). Emphasizes music conventions and constructs that shape and define music style. Modal, tonal, and serial approaches to composition are studied. Student compositions and performances provide focus for the study. Aural concepts are emphasized. Prerequisite: Music 2000.

2100 The Evolution of Style in Western Music (4 sem. hours). An investigation into the connection between style and musical expression. This course begins with medieval plainchant and follows musical thought down an evolutionary path to recent music by contemporary composers. Listening and score study of selected work required.

- 2102 History of Jazz (2 sem. hours).** A survey course that charts the stylistic evolution of jazz, from its humble beginnings to its status as a respected art form. The course will investigate the early roots of jazz, the importance of the art of improvisation, and recent trends. The social and cultural contexts surrounding the evolution of jazz styles will also be studied.
- 2112 Music in the Marketplace (2 sem. hours).** The study will lead to a critical analysis of how performance and reception of music has evolved historically in response to patronage and market forces. The course will emphasize ways musicians today can respond to a market economy. Offered in alternate years.
- 2122 The Musical World of the Age of Enlightenment (2 sem. hours).** This course explores the effects of Enlightenment thought and its influence on the composers of the later 18th century, and will include readings from 18th-century philosophers and explore a variety of genres which reflect this thought. Specific studies will involve study of individual works including one selected opera, an instrumental concerto, and a symphony of Mozart. Offered in alternate years.
- 2132 Women and Music (2 sem. hours).** Explores contributions of women to the art of music, with special emphasis on women composers and performers beginning with Hildegard von Bingen in the Middle Ages and concluding with contemporary composers and performers.
- 2142 Musical Style in World Cultures (2 sem. hours).** This course will aim for an understanding and appreciation of various music cultures around the globe, applying analytical listening and selected readings in ethnomusicology. Prerequisite: MUSC 1002 or permission of the instructor.
- 3000 Critical Skills and Analysis (4 sem. hours).** Investigates the presentation, development, and relatedness of musical ideas through harmonic and structural analysis of music forms. Student-written analyses and class presentations are an integral part of the study. Prerequisite: MUSC 2010
- 3012 Counterpoint (2 sem. hours).** Probes 18th-century polyphony. Strict species counterpoint and period contrapuntal forms such as invention and fugue are studied. Drill and practice culminate in student contrapuntal compositions. Prerequisite: Music 3000. Offered in alternate years.
- 3102 Contemporary Music (2 sem. hours).** A music literature course that focuses on the most important developments and trends in 20th-century art music, beginning with Impressionism's reaction to late Romanticism and ending with a study of recent works by important composers of our time. Prerequisite: MUSC 2000 or permission of the instructor.
- 3112 Romanticism (2 sem. hours).** A study of the European 19th century in music, beginning with Schubert and ending with the late Romantic works of Wagner and R. Strauss. The course will not only examine scores and recordings but will require readings in contemporary criticism on Romanticism's socio-cultural roots. Prerequisite: MUSC 1002 or permission of the instructor. Offered in alternate years.
- 3122 Symphonic Literature (2 sem. hours).** A study of the most significant symphonic works from the 18th century to the present. Prerequisite: MUSC 1002 or permission of the instructor. Offered in alternate years.

- 3132 Beethoven (2 sem. hours).** An in-depth study of selected works of Beethoven, and assessment of his influence on composers who followed him. The course will incorporate readings on his life and personal struggles to understand Beethoven the man. Prerequisite: MUSC 1002 or permission of the instructor. Offered in alternate years.
- 3142 History of Opera (2 sem. hours).** A survey of the history of opera, from its beginnings in the 17th century to selected recent operas with an emphasis on placing the art form in the context of social history. Offered in alternate years.
- 3532 Choral Conducting I (2 sem. hours).** Provides theoretical and practical background for leading a choral ensemble. The class functions as a laboratory for developing conducting techniques. Prerequisite: Music 1002. Offered in alternate years.
- 3542 Choral Conducting II (2 sem. hours).** Provides additional support for developing conducting/analytical skills while utilizing significant choral literature. The class functions as a laboratory. Prerequisite: Music 3532. Offered in alternate years.
- 3591 Junior Recital (1 sem. hour).** Junior performance concentrators only.
- 4102 Literature for the Piano (2 sem. hours).** Surveys standard piano repertoire with emphasis on discovery of stylistic characteristics of major keyboard composers. Student research forms an integral part of the study.
- 4110 Church Music Literature/Hymnology (4 sem. hours).** Explores significant large and small forms of sacred music during the first half of the course. The second half examines hymnody with emphasis on English and American development of the form. Offered occasionally.
- 4132 Literature for the Voice (2 sem. hours).** Surveys solo song form of the Renaissance through the 20th century. The course emphasizes recital/concert program building from a historical perspective. Class performance is expected. Offered in alternate years.
- 4200 Music Methods for Today's Schools (4 sem. hours).** Explores strategies for teaching grades K–12. Elementary topics include Suzuki, Dalcroze, Kodaly, and Orff techniques, while secondary topics emphasize choral methods. Offered in alternate years.
- 4202 Piano Pedagogy I (2 sem. hours).** Emphasizes techniques and materials used in teaching piano to children and older students in both private and class instruction. Papers on topics relating to piano teaching are expected. Offered in alternate years.
- 4220 Vocal Pedagogy (4 sem. hours).** Explores the physical musculature and mechanics of singing, the use of technical exercises, and the psychology of vocal teaching. Investigation of basic repertoire for the beginning teacher forms an integral part of the course. Offered in alternate years.
- 4500 Conducting from the Organ Console and Service Playing (4 sem. hours).** Emphasizes choral conducting techniques and literature for the church organist during the first half of the semester. The second half focuses on organ style for accompanying hymns and anthems. Offered occasionally.

4592 Senior Recital (2 sem. hours). Senior performance concentrators only.

4800–03 Directed Study (1–4 sem. hours). Students may elect to design a course that allows them to pursue an area of special interest not included in other courses. Faculty approval is required.

4852 Internship for Church Musicians (2 sem. hours). Provides the prospective church musician practical experience under the guidance of a practicing, full-time church musician. Five to eight hours each week are spent in the church setting.

4862 Piano Pedagogy II (2 sem. hours). Continues work begun in Piano Pedagogy I. Actual teaching in an internship context is required. Offered in alternate years.

4900 Seminar in Music: Readings in Music Criticism (4 sem. hours). A study of recent trends in music scholarship.

4902 Music Study as Aesthetic Contemplation (2 sem. hours). A study that places in context the main aesthetic philosophies of music performance and education. Offered in alternate years.

4910 Undergraduate Thesis (4 sem. hours).

Applied Music

MUSC 1531 Piano Class I (1 sem. hour). A study of the rudiments of playing the piano designed for non-piano concentrators and other music students who have had no previous piano study. Competency in reading keyboard music, scales and arpeggios, harmonization of short melodies, accompanying, transposition, choral score reading, ensemble, and solo repertoire are stressed.

MUSC 1541 Piano Class II (1 sem. hour). A continuation of study begun in MUSC 1531. Prerequisite: MUSC 1531 or consent of instructor.

MUSC 2531 Piano Class III (4 sem. hours). A second year continuation of the studies initiated in MUSC 1531 & 1541. Prerequisite: MUSC 1541 or consent of instructor.

MUSC 2541 Piano Class IV (1 sem. hour). A continuation of study begun in MUSC 2531. Following the completion of these courses, one should be prepared to take the piano proficiency required of all music majors. Prerequisite: MUSC 2531 or consent of instructor.

Voice 1511, 1521, 2511, 2521, 3511, 3521, 4511, 4521, 1512, 1522, 2512, 2522, 3512, 3522, 4512, 4522 (1–2 sem. hours). Private studio lessons for nonmusic and music majors. Employs basic vocal repertoire appropriate for individual vocal growth. Historical style development as well as breath support, posture, phonation, enunciation, articulation, and related singing skills are emphasized. Weekly repertoire class is required.

Piano 1511, 1521, 2511, 2521, 3511, 3521, 4511, 4521, 1512, 1522, 2512, 2522, 3512, 3522, 4512, 4522 (1–2 sem. hours). Private studio lessons for nonmusic and music majors. Introduces appropriate literature from the major style periods and technical drill to enable student growth in performance skills. Stylistic analysis is emphasized. Weekly repertoire class is required.

Organ 1511, 1521, 2511, 2521, 3511, 3521, 4511, 4521, 1512, 1522, 2512, 2522, 3512, 3522, 4512, 4522 (1–2 sem. hours). Private studio lessons for nonmusic and music majors. Provides keyboard and pedal technique needed to perform major organ literature. Sufficient piano background is necessary. Weekly repertoire class is required.

Instrumental Study 1511, 1521, 2511, 2521, 3511, 3521, 4511, 4521, 1512, 1522, 2512, 2522, 3512, 3522, 4512, 4522 (1–2 sem. hours). Private studio lessons for nonmusic and music majors. Provides fundamental technique for performance on orchestral instruments. Literature appropriate for each student is utilized.

Voice 1512, 1522, 2512, 2522, 3512, 3522, 4512, and 4522 (2 sem. hours). Private studio lessons for voice concentrators. Covers a larger body of literature than elective voice. Intensive development of technique is approached through works of Vaccai, Shakespeare, Marchesi, Vennard, McCloskey, Miller, and others. Weekly repertoire class is required. Emphasizes literature and technique needed for church organists, performers, or teachers. Weekly repertoire class is required.

Instrumental Study 1512, 1522, 2512, 2522, 3512, 3522, 4512, and 4522 (2 sem. hours). Private studio lessons for instrument concentrators. Provides technique for performance on orchestral instruments at the level appropriate for a music minor. Literature to enhance student technique and musical development is employed.

Theatre

Requirements for major: Students may complete a major in theatre with a bachelor of arts, bachelor of business administration, or bachelor of science degree. All theatre majors must complete a basic 50-hour, 12 1/2 course program that includes From Page to Stage (THEA 1010), Introduction to Acting (THEA 2100), Production I (THEA 2200), Production I Lab (THEA 2202), Stage Makeup (THEA 2252), History and Literature of the Theatre I (THEA 3000) and II (THEA 3010), Introduction to Directing (THEA 3310), Senior Seminar (THEA 4900), and four semesters of Performance (significant participation in Players productions). Beyond the basic courses, theatre majors must complete an additional course in each of the following: acting, directing, and production.

Requirements for major in theatre with preprofessional concentration: Students may complete a major in theatre with a preprofessional concentration by completing a 60-hour, 15-course program (10 1/2 at Millsaps College and 4 1/2 at New Stage Theatre). Courses at Millsaps include all of the basic courses required for the major as well as one additional course in the area of their concentration: acting, directing, production, or management. Upon completion of this additional course, students will qualify to take the preinternship (THEA 3850 or THEA 3852) at New Stage Theatre. After fulfilling the above requirements, students may apply to take the New Stage Internship (THEA 4850). Work done during the internship program will count as the Senior Project portion of Senior Seminar 4900.

Requirements for minor: Students may complete a minor in theatre by completing a 24-hour, six-course program that includes From Page to Stage (THEA 1010), Introduction to Acting (THEA 2100), Production I (THEA 2200), and Production I Lab (THEA 2202). Students must complete two semesters of Performance (significant participation in Players productions). Also, students must complete two courses chosen from the following: acting, production, directing, or theatre history.

- 1010 From Page to Stage (4 sem. hours).** An examination of major figures and works, in their social and cultural contexts, of dramatic movements and theatrical developments from the Greeks to the present. This course includes script analysis and practical exercises in the process of transforming texts into fully realized productions. Fulfills the fine arts requirement.
- 1401, 2401, 3401, and 4401 Performance (1 sem. hour).** Practical experience in acting, directing, or technical work in productions by the Millsaps Players. Four one-hour performance courses will fulfill the fine arts requirement.
- 2000 Theatre in America (4 sem. hours).** An in-depth study of American theatre literature and history of the 19th and 20th centuries. Students explore the influences of major playwrights and plays, including the unique contributions of African-American drama and musical theatre.
- 2100 Introduction to Acting (4 sem. hours).** A studio course in acting fundamentals with an emphasis on performance in the modern realistic style. Students explore improvisational techniques, scene study, and character development. This course includes a study of major figures in modern acting theory. Fulfills the fine arts requirement. Offered in alternate years.
- 2110 Acting Styles (4 sem. hours).** A studio course in approaches and interpretations of acting in premodern and nonrealistic performance styles. Students explore verse texts, historically oriented acting styles, and voice and movement techniques. This course includes a study of the philosophies and practices of nonrealistic approaches to performance. Prerequisite: THEA 2100 or consent of the instructor.
- 2200 Production I (4 sem. hours).** An introduction to production organization, management, and equipment; the basic theories and practices of scenic construction, rigging and shifting, mechanical drawing, and color theory are studied. Must be taken concurrently with Production I Lab (THEA 2202).
- 2202 Production I Lab (2 sem. hours).** Students work backstage a minimum of five hours per week constructing sets for Millsaps Players productions. Additionally, students head a crew (props, lights, sound, etc.) for one of the productions during the semester. Must be taken concurrently with Production I (THEA 2200).
- 2210 Production II (4 sem. hours).** Theories and practice of theatrical production; areas of study include stage properties, scene painting, lighting, and sound. Must be taken concurrently with Production II Lab (THEA 2212). Prerequisite: THEA 2200 or consent of the instructor.
- 2212 Production II Lab (2 sem. hours).** See THEA 2202.2252 Stage Makeup (2 sem. hours). The principles and skills of applying stage makeup. Students will work with a variety of media to create young, middle age, and elderly characters, special effects, and prosthetics. Also, students are assigned to the makeup crew for one of the Millsaps Players productions during the semester.
- 3000 History and Literature of the Theatre I (4 sem. hours).** Examines dramatic theory, literature, criticism, and theatrical practices from the origins through the Renaissance; includes a study of Asian theatre. A minimum of two plays are read, discussed, and analyzed for each period. Prerequisite: THEA 1010 or consent of the instructor.

- 3010 History and Literature of the Theatre II (4 sem. hours).** Examines dramatic theory, criticism, and theatrical practices from the English Restoration to the present. A minimum of three plays are read, discussed, and analyzed for each period. Prerequisite: THEA 1010 and THEA 3000 or consent of the instructor.
- 3100 Stage Movement (4 sem. hours).** Explores and defines techniques to enhance a seamless integration of verbal and nonverbal communication focusing on the basics of body coordination, alignment, gesture, space, plasticity, and rhythm. Students seek inspiration from literature, music, painting, and photography as it pertains to the actor's presence on stage to enhance and ignite storytelling. This course includes mask work and the development of solo and ensemble performance pieces. This course fulfills the Fine Arts requirement.
- 3200 Scenery and Lighting Design (4 sem. hours).** Advanced design; areas of study include set and lighting design for interior and exterior productions, box sets, unit sets, and musical or multi-set productions. Prerequisites: THEA 2200 and THEA 2220 or consent of the instructor.
- 3212 Stage Management (2 sem. hours).** Examines the role and duties of the stage manager in modern theatre. In addition to classroom work, the student is assigned to act as the stage manager for one of the Millsaps Players productions during the semester.
- 3220 AutoCAD (4 sem. hours).** Computer-assisted drafting and design. Students study and practice a variety of techniques including geometric constructions, block diagrams, orthographic drawings, dimensioned drawings, sectional drawings, and some three-dimensional drawings. Admission only by consent of instructor.
- 3310 Introduction to Directing (4 sem. hours).** A studio course in fundamentals of directing theory and practice with an emphasis on performance in the modern realistic style. Students present directed scenes in performance. This course includes a study of major figures in modern directing theory. Offered in alternate years.
- 3320 Advanced Directing (4 sem. hours).** A studio course in directing approaches focusing on premodern and nonrealistic genres. Students present directed scenes in performance including those for nonproscenium and found spaces formats. This course includes a study of directors in the alternative and avant-garde theatre. Offered in alternate years.
- 3850 and 3852 Preinternship (2 or 4 sem. hours).** Serves as a bridge to the professional theatre. Students have the opportunity to apprentice at New Stage Theatre, Mississippi's only professional theatre. Students will work with a New Stage employee for 6–12 hours per week to develop professional skills in the student's chosen concentration. Acceptance to the pre-internship program is by interview/audition and approval of the faculty.
- 4800 – 4803 Directed Study (1–4 sem. hours).** Designed to cover areas of special interest not included in other courses. Open only to approved students.
- 4850 New Stage Internship (4–12 sem. hours).** An immersion in professional theatre; a semester of work at New Stage Theatre in the student's chosen concentration. Acceptance to the internship program is by interview/audition and approval of New Stage Theatre and Millsaps College faculty. Prerequisite: THEA 3850 or THEA 3852.

4900 Senior Seminar (4 sem. hours). Students complete a senior project (approved by the faculty) that demonstrates their ability to study and present a dramatic text for production. Portfolios of written work and a comprehensive reflective paper that places the undergraduate degree in theatre within the larger context of the liberal arts experience is required. This course fulfills the Core 10 requirement.

Philosophy

Professor:

Steven G. Smith, Ph.D.

Associate Professors:

Theodore G. Ammon, Ph.D.

Kristen M. Brown, Ph.D., Chair

Patrick D. Hopkins, Ph.D.

Requirements for major: Students may complete a major in philosophy with 36 semester hours in nine courses, including Logic, History of Philosophy, and Senior Seminar. One Core topics course taught by an instructor from the philosophy department may be used to meet the requirements of the philosophy major. At least five courses in the major must be taken at Millsaps. Completion of Heritage may be counted as one four-hour course toward the nine-course requirement.

Requirements for minor: Students may elect a minor in philosophy with any four courses from the philosophy department. At least two of the courses for the minor must be taken at Millsaps. Neither Heritage nor Core topics courses count toward the minor.

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Philosophy-Religious Studies Major

Requirements for major (Total of 11 courses): Students may complete a major in philosophy–religious studies with Philosophy of Religion (Philosophy or Religious Studies 3310), 20 additional hours in philosophy, and five additional courses in religious studies. The philosophy courses must include Philosophy 3010 and 3020. The religious studies courses must include at least two courses representing primary emphasis on TRADITIONS, COMPARISONS, and ARGUMENTS (see designations in religious studies course descriptions for how courses ordinarily count) and Religious Studies Seminar (3900 or 4900). Students pursuing this major will be given a specially adapted comprehensive examination by a committee of faculty from the two departments. Each student will choose to follow either the philosophy major or the religious studies major format for comprehensive examinations; when the philosophy format is chosen, Philosophy 4900 must be taken. Neither Heritage nor Core topics courses count toward the combined major.

Courses

1000 Introduction to Philosophy (4 sem. hours). A study of the classic problems and methods of philosophy. Topics include logic, critical thinking, the existence of God, the basis of knowledge, human nature, the mind/body problem, free will, ethics, the meaning of life, and some applied ethical problems. Offered occasionally.

2000 Ways of Knowing (4 sem. hours). An introduction to theories of knowledge from a variety of philosophical traditions, including mysticism, empiricism, rationalism, pragmatism, and feminism. Offered occasionally.

2010 Social and Political Philosophy (4 sem. hours). An inquiry into the basic principles of social and political organization, with special emphasis on the concepts of government, justice, punishment, family, property, work, and peace. This course is the same as PLSC 2500. Offered occasionally.

2120 Ethics: Theories and Applications (4 sem. hours). An introduction to moral philosophy, including topics in metaethics (such as the definition of good and evil, the source of morality, morality's relationship to religion and biology, the proper goals of human life), ethical theory (the importance of consequences versus duties, virtue versus right and wrong, the ethical theories of Plato, Aristotle, Aquinas, Mill, Kant, Nietzsche, feminists, evolutionists), and applied ethics (abortion, euthanasia, death penalty, privacy rights, biotechnology, gay rights, animal rights, racism, sexism, multiculturalism, military policy, and others). Offered occasionally.

2130 Biomedical Ethics (4 sem. hours). An introduction to conceptual and ethical issues in medicine and biotechnology, including the definition of death and disease, the definition of personhood, abortion, euthanasia, genetic engineering, reproductive technology, patients' rights, human and animal research, organ transplants, cloning, biotechnological enhancement, and health care rights. Offered occasionally.

2140 Environmental Ethics (4 sem. hours). An introduction to conceptual and ethical issues concerning the environment, including the definition of "nature" and "technology," major types of environmentalism, green politics, wilderness preservation and restoration, deforestation, animal rights, transgenic crops, pesticides, population control, pollution, and sustainable practices. Offered occasionally.

2150–2153 Topics in Applied Ethics (1–4 sem. hours). An introduction to special issues of applied ethics not covered by PHIL 2130 or PHIL 2140. Possible topics include business ethics, computer ethics, sexual ethics, legal ethics, and the philosophy of law. Offered occasionally.

2160 Philosophy of Human Nature (4 sem. hours). An introduction to the nature of human beings, including such issues as whether there is a universal human nature, types of explanations of human nature (religious, psychological, biological), whether humans are essentially different from animals or machines, the importance of gender in shaping human identity, the source of human morality and politics (religion, rationality, evolution), the role of the unconscious, the limitations of humans' ability to understand themselves, and whether human nature could be changed. Offered occasionally.

2210 Aesthetics (4 sem. hours). A study of the nature of art and specific art forms, aesthetic experience and judgment, and relations between the aesthetic values and other kinds of values (moral, political, religious, etc.). Offered occasionally.

2220 Philosophy and Literature (4 sem. hours). A study of various works of literature with an eye to issues such as the nature and function of language, perception and reality, self and the spoken word, theories of meaning, and texts and subtexts. Authors considered include Beckett, Borges, Pinter, Gass, O'Connor, DeLillo, Robbe-Grillet, Abish, Woolf, and others. Offered occasionally.

2300 Philosophy of Film (4 sem. hours). A study of issues in the formation of personal and social experience through the mediation of film, using historically important films and film theories along with philosophers as primary sources. Offered occasionally.

2400 The Meaning of Work (4 sem. hours). An investigation into the phenomenon that is arguably at the foundation of human civilization and the human psyche: work. The course explores issues of value, purpose, function, organization, and justice in relation to the meaning of work from a variety of perspectives, including philosophy, theology, sociology, psychology, and management. This course is the same as FWRK 2400. (This course counts toward the philosophy, religious studies, or philosophy-religious studies major as an elective in the major.)

2750–2753 Special Topics (1–4 sem. hours). A sophomore level course on special issues not regularly covered by the curriculum. Special topics courses offered in the last few years include: Gender and Technology, Philosophy of History, Mind and Body, Pain and Aggression, Philosophy of Time, Philosophy of Language, Philosophy of War, Schopenhauer and Nietzsche, Philosophy of Violence, and Pragmatism. Usually at least one special topics course is offered each semester. The topics vary widely, and new courses are routinely created.

2900 Logic (4 sem. hours). An introduction to propositional logic and quantification, and to a lesser extent syllogistic logic. Attention will be given to scientific method and induction and to informal analysis of arguments in language.

3010 History of Philosophy: Ancient Through Medieval (4 sem. hours). A survey of Western philosophy from the ancient through the medieval period. This course does not function as an introduction to philosophy; students are strongly advised to take it only if they have had Heritage or a Core course with a philosophy focus or another philosophy course other than Logic. This course is the same as CLST 3500.

3020 History of Philosophy: Modern Through Contemporary (4 sem. hours). A survey of Western philosophy from the Renaissance through the 20th century. This course does not function as an introduction to philosophy; students are strongly advised to take it only if they have had Heritage or a Core course with a philosophy focus or another philosophy course other than Logic. Students are also strongly advised to take PHIL 3010 before taking this course.

3040 Ancient Philosophy (4 sem. hours). An in-depth study of ancient Greek and/or Hellenistic philosophers. Offered occasionally.

3060 20th Century Philosophy (4 sem. hours). An examination of one or more of the newer philosophical traditions such as phenomenology, analytic philosophy, existentialism, pragmatism, process philosophy, critical theory, poststructuralism, and post-modernism. Offered occasionally.

3110 Philosophy of Body (4 sem. hours). An examination of the concept of body from philosophical perspectives such as Cartesian dualism, idealism, phenomenology, biological materialism, cognitive science, gender theory, and disability theory. Offered occasionally.

3310 Philosophy of Religion (4 sem. hours). An examination of issues arising from religious experience and beliefs, including the arguments for and against the existence of God, the nature of the divine, the problem of evil, and human destiny. This course is the same as RLST 3310. Offered in alternate years.

3330 Zen and Phenomenology (4 sem. hours). An examination of the ways in which ancient and contemporary traditions of Buddhism (especially Zen) and philosophy (especially phenomenology) describe the world and human experience. Offered occasionally.

3340 Philosophy of Mind (4 sem. hours). An examination of the nature of mind, including mental versus physical explanations of minds, perception, optical and cognitive illusions, the limits of human knowledge, personal identity, artificial intelligence, evolutionary explanations of moral and religious beliefs, and thought experiments about zombies, brains in vats, brain implants, and robot civil rights. Offered occasionally.

3350 Philosophy of Science (4 sem. hours). An examination of the nature, goals, and process of scientific inquiry, including issues of deduction and induction, inference to the best explanation, problems of experimental method, skepticism in the epistemology of science, the nature of hypothetical entities, statistical generalization, pseudo-science, pragmatism and the relation between science and truth, and the relation between science and religion. Offered occasionally.

3610 Metaphysics (4 sem. hours). An examination of traditional philosophical questions about “being” and the nature of reality such as, but not limited to: What is reality? Do I have free will? Is there a God? What kind of thing am I? The course may either survey the history of metaphysics or cover one or two philosophers or issues in detail. Offered occasionally.

3750–3753 Special Topics (1–4 sem. hours). A junior level course on special issues not regularly covered by the curriculum. Special topics courses offered in the last few years include: Gender and Technology, Philosophy of History, Mind and Body, Pain and Aggression, Philosophy of Time, Philosophy of Language, Philosophy of War, Schopenhauer and Nietzsche, Philosophy of Violence, and Pragmatism. Usually at least one special topics course is offered each semester. The topics vary widely, and new courses are routinely created.

3850-3853 Internship (1–4 sem. hours). Applied analysis, practical experience, and training with selected research, educational, governmental, legal, medical, religious, artistic, or business institutions. Prerequisite: Arrangement with specific instructor to direct the internship.

4000 Epistemology (4 sem. hours). Advanced study of the theory of knowledge usually focusing on one or two trends in the 20th century such as pragmatism, logical positivism, analytic philosophy, feminism, deconstruction, neurobiology, and epistemology, etc. Offered occasionally.

4120 Ethical Theory (4 sem. hours). Advanced study of classical and contemporary theories of ethics including basic concepts of ethical decision making, issues in cognitive moral perception, how to analyze moral issues, relativism, moral skepticism, egoism, utilitarianism, deontological ethics, virtue ethics, care ethics, rights theory, the law and ethics, religion and ethics, evolutionary theory and ethics, moral insanity and disease, and selected applied ethical issues. Offered occasionally.

4750–4753 Special Topics (1–4 sem. hours). A senior level course on special issues not regularly covered by the curriculum. Special topics courses offered in the last few years include: Gender and Technology, Philosophy of History, Mind and Body,

Pain and Aggression, Philosophy of Time, Philosophy of Language, Philosophy of War, Schopenhauer and Nietzsche, Philosophy of Violence, and Pragmatism. Usually at least one special topics course is offered each semester. The topics vary widely, and new courses are routinely created.

4800–4803 Directed Study (1-4 sem. hours). Intensive individual study on a topic of the student's and professor's choosing. Prerequisite: Arrangement with specific instructor to direct the study.

4901 Senior Seminar I (1 sem. hour). Career planning, graduate school preparation, related standardized testing, and completion of an in-depth prospectus for the comprehensive exam essay. Since the comprehensive exam is administered through the Senior Seminar, this course is open only to those completing the philosophy major. Students are strongly encouraged to finish History of Philosophy I and II before taking Senior Seminar.

4903 Senior Seminar II (3 sem. hours). Intensive reading in selected issues, schools, and thinkers and the completion of the comprehensive exam essay. Since the comprehensive exam is administered through the Senior Seminar, this course is open only to those completing the philosophy major. Students are strongly encouraged to finish History of Philosophy I and II before taking Senior Seminar. Students are required to finish Senior Seminar I before taking Senior Seminar II.

Religious Studies

Professors:

Steven G. Smith, Ph.D., Chair
Darby K. Ray, Ph.D.

Associate Professor:

James E. Bowley, Ph.D.

Assistant Professor:

Lola Williamson, Ph.D.

Faculty Teaching Fellow:

Anne L. Blazer, Ph.D.

Requirements for major: Students may complete a major in religious studies with nine courses, including Introduction to Religious Studies, four courses including at least one with a primary emphasis on issues in the study of sacred TEXTS, another with a primary emphasis on description and interpretation of Jewish, Christian, and/or Islamic TRADITIONS (group A), another with a primary emphasis on description and interpretation of Hindu, Buddhist, and/or other South Asian or East Asian TRADITIONS (group B), and a fourth with a primary emphasis on developing and criticizing ARGUMENTS on religious issues (see designations below, under course descriptions, for how courses ordinarily count); and Religious Studies Seminar (Religious Studies 4900 is required of seniors and 3900 is recommended for juniors). One Core topics course taught by a member of the Religious Studies department or Heritage of the West in World Perspective taken for a full year may be counted as one course toward the religious studies major. At least five courses in the major must be taken at Millsaps. A grade of C or better is required for courses to count towards a major.

Requirements for minor: Students may elect a minor in religious studies with any four courses from the Department of Religious Studies, including Introduction to Religious Studies and Religious Studies Seminar.

Philosophy–Religious Studies Major

Requirements for major: Students may complete a major in philosophy-religious studies with Philosophy of Religion (Philosophy or Religious Studies 3310), 20 additional hours in philosophy, and five additional courses in religious studies. The philosophy courses must include Philosophy 3010 and 3020. The religious studies courses must include at least two courses representing primary emphasis on TRADITIONS, COMPARISONS, and ARGUMENTS (see designations in religious studies course descriptions for how courses ordinarily count) and Religious Studies Seminar (3900 or 4900). Students pursuing this major will be given a specially adapted comprehensive examination by a committee of faculty from the two departments. Each student will choose to follow either the philosophy major or the religious studies major format for comprehensive examinations; when the philosophy format is chosen, Philosophy 4900 must be taken. Neither Heritage nor Core topics courses count toward the combined major.

Religious Studies–Sociology-Anthropology Major

Requirements for major: Students may complete a major in religious studies–sociology-anthropology with SOAN 3200 / RLST 3170 Religion, Society, and Culture, five additional courses in religious studies, and five additional courses in sociology-anthropology. The religious studies courses must include RLST 1000 Introduction to Religious Studies, two courses representing the areas of TRADITIONS A and TRADITIONS B (see designations under religious studies course descriptions for how courses ordinarily count), and the RLST 3900 or 4900 Religious Studies Seminar; the sociology-anthropology courses must include an introductory level class (SOAN 1000, 1100, 1110), Social/Cultural Theory (SOAN 4200), Senior Seminar in either sociology or anthropology (SOAN 4900 or 4910), and two elective courses in sociology-anthropology above the introductory level. Students pursuing this major will be given a specially adapted comprehensive examination by a committee of faculty from the two departments. Neither Heritage nor Core topics courses count toward the combined major.

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Pre-ministerial Studies

Students who wish to prepare for a Christian ministerial career are advised to take RLST 1000 Introduction to Religious Studies, a biblical studies course (RLST 2210 or 2220), a course in Christian thought (RLST 3110 or 3120), a church internship (RLST 4850), and one other course to be recommended by the Department of Religious Studies in accordance with the student's interests.

Jewish Studies

Students with a substantial interest in Judaism are advised to take RLST 1000 Introduction to Religious Studies, RLST 2210 Introduction to Hebrew Bible, RLST 2160 Introduction to Jewish Studies, Introduction to Judaism, an internship at a Jewish institution (RLST 4850), and one other course to be recommended by the Department of Religious Studies in accordance with the student's interests. Students are encouraged to take relevant courses offered by other departments such as HIST 2500 The Twice Promised Land.

Students who wish to prepare for leadership in another religious community or who have a particular interest in studying another tradition should consult with the Department of Religious Studies faculty about appropriate courses to take.

Christian Education

An interdisciplinary study in Christian education is available to students. For specific requirements, see Interdisciplinary Studies.

Courses

1010–1020 Introduction to Classical Hebrew (4 sem. hours). This year long study of classical (ancient, biblical) Hebrew will focus on mastery of grammar, vocabulary, and syntax to lay the foundation for proficient reading of Hebrew texts.

1000 Introduction to Religious Studies (4 sem. hours). A wide-ranging exploration of the phenomenon of religion and of the various approaches to its study.

2010 Ethics and Religion (4 sem. hours). A study of moral reasoning about personal and social issues in various religious, philosophical, and cultural contexts. An ARGUMENTS course. Offered in alternate years.

2020 Classical Hebrew Readings (4 sem. hours). This semester course will focus on a wide selection of readings in Classical Hebrew, with some attention to later forms of Hebrew, including Qumran and Rabbinic. A TEXTS course. Offered occasionally.

2110 Judaism, Christianity, Islam (4 sem. hours). A study of the history, literature, thought, and practices of Judaism, Christianity, and Islam with attention to their connections with one another. A TRADITIONS (A) course. Offered occasionally. This course may be repeated for credit with a different topic.

2120 Introduction to Hinduism (4 sem. hours). A study of the history, literature, thought, and practices of Hinduism in India and the West. A TRADITIONS (B) course. Offered in alternate years.

2130 East Asian Religions (4 sem. hours). A study of the history, literature, thought, and practices of the religions of China, Korea, and Japan, including Confucianism, Taoism, Buddhism, and Shinto. A TRADITIONS (B) course. Offered in alternate years. This course may be repeated for credit with a different topic.

2140 Introduction to Buddhism (4 sem. hours). A study of history, literature, thought, and practices of Buddhism in its various historical and cultural contexts. A TRADITIONS (B) course. Offered in alternate years.

2150 Introduction to Islam (4 sem. hours.) A study of the history, literature, thought, and practices of Muslims around the world. A TRADITIONS (A) course. Offered in alternate years.

2160 Introduction to Judaism (4 sem. hours). An introduction to Jewish history culture, religion, literature, and practices. Modern forms of Jewish practice and identity will be engaged. A TRADITIONS (A) course. Offered in alternate years.

- 2210 Hebrew Scriptures (Old Testament) (4 sem. hours).** An introduction to the history, literature, thought, and practices of ancient Israel. A TEXTS and TRADITIONS (A) course. Offered in alternate years.
- 2220 New Testament and Early Christianity (4 sem. hours).** An introduction to the background, beginnings, earliest development, and thought of Christianity. A TEXTS and TRADITIONS (A) course. Offered in alternate years.
- 2300 African-American Religions (4 sem. hours).** A study of varieties of religious expression, belief, and organization in African-American spiritual existence since the 18th century, with consideration of slave religion, racism and religion, religious colonization, independent black churches, black protest and liberation theology, womanist thought, and heterodox religious groups like the Jehovah's Witnesses, the Nation of Islam, Santeria, and Voodoo. Offered occasionally. This course may be repeated for credit with a different topic.
- 2350 Fundamentalism (4 sem. hours).** An exploration of the characteristics, historical development, and social ramifications of fundamentalism, with emphasis on Christian, Muslim, and Hindu manifestations. Offered occasionally.
- 2400 The Meaning of Work (4 sem. hours).** An investigation into the phenomenon that is arguably at the foundation of human civilization and the human psyche: work. The course explores issues of value, purpose, function, organization, and justice in relation to the meaning of work from a variety of perspectives, including philosophy, theology, sociology, psychology, and management. This course is the same as FWRK 2400. An ARGUMENTS course.
- 2610 Re-Thinking Jesus (4 sem. hours).** A study of some of the most important attempts to understand Jesus's significance, tracing Christological ideas and innovations from the canonical gospels into the present. A TEXTS and TRADITIONS (A) course. Offered occasionally.
- 2710 Seven Deadly Sins (4 sem. hours).** A study of the "seven deadly sins" tradition from its 6th century articulation by Pope Gregory the Great through medieval and Renaissance literature, theology, and art, into contemporary literature, music, and film. A TRADITIONS (A) course. Offered occasionally.
- 2750–2753 Special Topics (1–4 sem. hours).**
- 2790 Religion, Peace, and Justice (4 sem. hours).** An examination of the history and literature of peace advocacy, with an emphasis on religious approaches to cultivating peace. An ARGUMENTS course. Offered in alternate years.
- 3000 Myth (4 sem. hours).** A study of the symbols and motifs of mythology focusing on the myths of Greece and Rome, with comparative material introduced from Near Eastern, Native American, Asian, African, and Norse mythology. This course is the same as CLST 3000. Offered occasionally.
- 3110 History of Christian Thought (4 sem. hours).** A study of formative figures and ideas in the history of Western Christianity. A TRADITIONS (A) and ARGUMENTS course. Offered in alternate years.

- 3120 Modern and Contemporary Theology (4 sem. hours).** An examination of major developments in theology from the Enlightenment to the present, with attention to such figures as Schleiermacher, Barth, Tillich, Rahner, the Niebuhrs, Ruether, and McFague, and to contemporary movements such as the liberation theologies and global theology. A TRADITIONS (A) and ARGUMENTS course. Offered in alternate years.
- 3150 Religion, Science, and Nature (4 sem. hours).** An investigation of issues raised by the relationship between Western science and classic religious TRADITIONS, including the religious roots of science, the worldview revolutions caused by scientific theories, the environmental impact of religious perspectives and practices, and environmental ethics and policy. An ARGUMENTS course. Offered occasionally.
- 3160 Religion and Literature (4 sem. hours).** A study of religious approaches and themes in ancient and/or modern literature. A TEXTS course. Offered occasionally. This course may be repeated for credit with a different topic.
- 3200 Religion, Society, and Culture (4 sem. hours).** An anthropological and sociological investigation through primary texts and field experience of the relationships among religious institutions and society and culture. This course is the same as SOAN 3200. Offered on alternate years.
- 3310 Philosophy of Religion (4 sem. hours).** An investigation of issues arising from religious experience and beliefs, including the nature of the divine, evil, and human destiny. This course is the same as PHIL 3310. An ARGUMENTS course. Offered in alternate years.
- 3320 Creation and Evolution (4 sem. hours).** A study of the concepts of divine world-creation and natural evolution—how they originated in various forms, how they are applicable to our experience, and how they relate to each other, with attention to current controversies on the topic. An ARGUMENTS course. Offered occasionally.
- 3400 Evil (4 sem. hours).** A study of the reality, nature, origin, and consequences of evil, focusing on the distinctive shape and logic of what is most ignoble, destructive, callous, and dysfunctional in human history and existence. An ARGUMENTS course. Offered occasionally.
- 3460 Biblical Poetry (4 sem. hours).** A careful study of ancient Jewish poetry found in the Hebrew Bible, exploring its ancient cultural environment and with full regard to the style, passion, and emotive elements of the poetic art. A TEXTS course. Offered occasionally.
- 3600 The Educational Ministry of the Church (4 sem. hours).** An examination of the purpose and implementation of Christian educational ministry. Offered occasionally.
- 3750 Special Topics (4 sem. hours).**
- 3900–4900 Religious Studies Seminar (4 sem. hours).** Intensive reading and discussion of selected texts and issues with important implications for the theory and practice of religious studies. Topics will be announced each time the course is offered; this course may be retaken for credit with a different topic.

4800–4803 Directed Readings (1–4 sem. hours).

4850–4853 Religious Studies Internship (1–4 sem. hours). An off-campus learning experience designed in consultation with a professional in a religion-related field and a Department of Religious Studies faculty member.

Christian Education

The Christian education minor helps prepare students to plan, organize, lead, and teach in religious education programs. For further information, see the chair of the religious studies department or the College Chaplain.

Requirements for a minor:

- Introduction to Religious Studies (RLST 2000)
 - Hebrew Scripture (RLST 2210) or New Testament and Early Christianity (RLST 2220)
 - History of Christian Thought (RLST 3110) or Modern and Contemporary Theology (RLST 3120)
 - Religious Studies Internship (RLST 4850-4852)
 - The Human Experience: A Cross-Cultural Perspective (IDST 1600)
 - Classroom Methods and Management (EDUC 3200/3210)
-

Division of Sciences

Timothy J. Ward, Ph.D., Associate Dean of Sciences

Ph.D., Biology

Professors:

Sarah Lea McGuire, Ph.D., Chair
James P. McKeown, Ph.D.

Associate Professor:

Robert B. Nevins, M.S.

Assistant Professors:

Debora L. Mann, Ph.D.
Bernadette J. Connors, Ph.D.
Markus P. Tellkamp, Ph.D.
Brent E. Hendrixson, Ph.D.

Requirements for major: The biology department offers both the bachelor of arts and the bachelor of science degrees in biology. All majors must take Introductory Cell Biology (BIOL 1000), General Botany (BIOL 1010), General Zoology (BIOL 1020), and Senior Seminar (BIOL 4902 & 4912), plus a minimum of five additional biology courses, including one from each of the three areas listed below:

Cellular and molecular processes:

- Bacteriology (BIOL 3500)
- Genetics (BIOL 2000)

- Immunology and Virology (BIOL 3510)
- Molecular Cell Biology (BIOL 3300)

Structure and function:

- Comparative Vertebrate Morphology (BIOL 3110)
- Comparative Animal Physiology (BIOL 3400)
- Histology (BIOL 3100)
- Invertebrate Zoology (BIOL 3600)

Organisms and environment:

- Aquatic Biology (BIOL 3200)
- Entomology (BIOL 2210)
- Ecology (BIOL 2200)
- Evolution and Systematics (BIOL 2220)
- Field Biology (BIOL 3210)
- Biology of Terrestrial Arthropods (BIOL 3320)

Requirements for minor: Students may elect a minor in biology with Introductory Cell Biology (BIOL 1001 & 1003), General Botany (BIOL 1010), General Zoology (BIOL 1021 & 1023), and at least two upper-level biology courses chosen from the lists above.

General Information

No grade lower than a C will be accepted in any course to fulfill a major or minor in biology. For the major, at least four courses plus Senior Seminar must be taken in residence at Millsaps. For the minor, at least three out of the necessary five courses must be taken in residence at Millsaps.

Students planning careers in the health professions should also take General Chemistry I (CHEM 1213) and II (CHEM 1223), with labs; Organic Chemistry I (CHEM 2110) and II (CHEM 2120), with labs; and College Physics I (PHYS 1003) and II (PHYS 1013), with labs. Many medical schools strongly recommend at least one semester of biochemistry.

Students planning further study in molecular biology are encouraged to take Biochemistry I (CHEM 3610) and II (CHEM 3620).

Students planning further study in ecology or environmental sciences are encouraged to take General Chemistry I (CHEM 1213) and II (CHEM 1223), with labs; Elementary Statistics (MATH 1150); and The Physical Earth (GEOL 1000).

All courses numbered 2000 or higher require two previous college-level biology courses or consent of the instructor.

Courses

1001 Introductory Cell Biology Laboratory (1 sem. hour). A coordinated course (with BIOL 1003: Introduction to Cell Biology) that introduces basic instrumentation and experimental strategies used to study modern biological concepts. This course along with BIOL 1003 fulfills Core 7 or 9. Corequisite: BIOL 1003

1003 Introduction to Cell Biology (3 sem. hours). First in a three course core sequence for biology majors. An intensive examination of fundamental concepts of modern cell biology, including cell structure and physiology, molecular biology, and genetics. This course along with BIOL 1001 fulfills Core 7 or 9 and is a prerequisite for all other biology majors courses. Corequisite: BIOL 1001

1010 General Botany (4 sem. hours). Examines the structures, life processes, ecological interactions, and evolutionary relationships among bacteria, protists, fungi, and plants. Fulfills Core 7 or 9. Prerequisite: BIOL 1000.

1021 General Zoology Laboratory (1 sem. hour). Laboratory course to accompany BIOL 1023; includes survey of organismal diversity, histology, and dissections. This course along with BIOL 1023 fulfills Core 7 or 9. Corequisite: BIOL 1023. Prerequisite: BIOL 1001/1003

1023 General Zoology (3 sem. hours.). An introduction to the morphology, physiology, and evolutionary relationships among invertebrate and vertebrate animals. This course along with BIOL 1021 fulfills Core 7 or 9. Corequisite: BIOL 1021. Prerequisite: BIOL 1001/1003

1710 Human Evolution (4 sem. hours). History and nature of science. The various lines of evidence about human ancestry will be examined, including population genetics, paleontology, DNA and protein sequencing, "Mitochondrial Eve," chromosome structure, behavior, and linguistics. Current literature will be reviewed. This course includes a laboratory. For freshmen and sophomores only, except by permission of instructor. Designed for nonscience majors. Does not fulfill requirements for B.S. degree, or a major or minor in biology. Fulfills Core 7 or 9.

2000 Genetics (4 sem. hours). Historical/developmental treatment of theories of biological inheritance with emphasis on the process of scientific discovery. Includes Mendelian, cytogenetic, bacterial, and molecular approaches to questions about the nature and function of genetic material. Laboratory component consists of investigative experiences in Mendelian and molecular genetics. Prerequisite: BIOL 1000 and either BIOL 1010 or BIOL 1021/1023

2200 Ecology (4 sem. hours). In-depth study of relationships of organisms with other organisms and their physical environment, including population, community, and ecosystem dynamics. Prerequisite: BIOL 1010 or consent of instructor.

2210 General Entomology (4 sem. hours). Identification, life history, ecology, and evolutionary histories of the class Hexapoda, the insects. Prerequisite: BIOL 1021/1023. Offered occasionally.

2220 Evolution and Systematics (4 sem. hours). Evidence for, and mechanisms of, evolution, including population, molecular genetics, and paleontology. History, philosophy, and practice of taxonomy; nature of taxonomic evidence. Prerequisite: BIOL 1010.

3100 Histology (4 sem. hours). Microscopic anatomy of the different vertebrate systems, with an emphasis on basic tissue types. Prerequisite: BIOL 1021/1023.

3110 Comparative Vertebrate Morphology (5 sem. hours). An integrated course in vertebrate anatomy and embryology. Reproduction, organ systems, and a comparative study of the gross anatomy of the vertebrate systems. Prerequisite: BIOL 1021/1023.

- 3120 Microscopy (4 sem. hours).** Theory and techniques of microscopes. Tissue preparation, handling and imaging with the light, fluorescent and transmission electron microscopes. Permission of instructor is required. Does not fulfill any of the areas required for a biology major or minor. Offered occasionally.
- 3200 Aquatic Biology (4 sem. hours).** Physical and biological processes in aquatic ecosystems, both freshwater and marine. Emphasis is on natural ecosystems and the impact on them by the activities of humans. Prerequisite: BIOL 1010 and BIOL 1021/1023.
- 3210 Field Biology (4 sem. hours).** Emphasis on ecology, community composition, and methods of field-based research. Four-week summer program with approximately three weeks away from campus. May be repeated for credit as topics vary. Recent topics include ecology of the Blue Ridge Mountains and tropical field biology of the Yucatan. Prerequisites: BIOL 1010 and BIOL 1021/1023 or permission of the instructor. Offered occasionally.
- 3300 Molecular Cell Biology (4 sem. hours).** An in-depth study of the molecular principles by which eukaryotic cells function, with emphasis on membrane structure/function, signal transduction, the cytoskeleton, and the cell cycle. The course is integrated with a survey of current molecular techniques for genetic engineering, DNA and protein analysis, and eukaryotic cell structure. Prerequisites: BIOL 1010 or BIOL 1021/1023, CHEM 1213, and CHEM 1223.
- 3310 Ornithology (4 sem. hours).** Evolution, form and function, behavior, life history, ecology, and conservation of the class Aves, the birds. Techniques for the study of birds will be taught in laboratory and field settings. Prerequisite: BIOL 1010 and BIOL 1021/1023.
- 3320 Biology of Terrestrial Arthropods (4 sem. hours).** Evolution, functional morphology, ecology, conservation, and medical importance of terrestrial arthropods (arachnids, myriapods, and insects). Collection and identification of local fauna will be stressed in the laboratory; weekend-long fieldtrip required. Prerequisite: BIOL 1010 and BIOL 1021/1023
- 3400 Comparative Animal Physiology (4 sem. hours).** Comparative examination of eumetazoan organ systems and metabolism, with an emphasis on vertebrates. Laboratory employs current methods and instrumentation of experimental physiology. Prerequisite: BIOL 1021/1023.
- 3500 General Bacteriology (4 sem. hours).** Historical survey; bacterial structure, metabolism, genetics, and taxonomy; role of bacteria in disease, industry, and ecology; common bacteriological techniques. Prerequisites: BIOL 1010 or BIOL 1021/1023, CHEM 1213, and CHEM 1223. Recommended: CHEM 2110.
- 3510 Immunology and Virology (4 sem. hours).** The physiology, biochemistry, and genetics of the immune response: viral structure, function, and relationship to host. Prerequisites: BIOL 1010 or BIOL 1021/1023, CHEM 1213, and CHEM 1223. Recommended: CHEM 2110.
- 3600 Invertebrate Zoology (4 sem. hours).** An in-depth study of the invertebrate phyla. Emphasis on morphology, life history, physiology, ecology, and evolutionary histories. Prerequisites: BIOL 1000 and BIOL 1021/1023. Offered occasionally.

3700–3703 Undergraduate Research (1–4 sem. hours). Under the supervision of a faculty mentor, students develop and carry out an independent laboratory or field investigation in biology. Prerequisite: permission of instructor.

3710–3712 Directed Study (2 or 4 sem. hours). Course is offered when a student needs a special subject covered to meet a professional requirement or wants to work with an instructor to look more deeply into a particular aspect of a discipline.

3750–3753 Special Topics in Biology (1–4 sem. hours).

3850 or 3852 Internship (2 or 4 sem. hours). Practical experience and training with selected research, educational, governmental, and business institutions.

4902–4912 Senior Seminar (2 sem. hours each). A sequenced, two-semester (two hours per semester) capstone course for the biology major. Selected topics in the history and current literature of science, particularly biology, emphasizing the development of an integrated worldview from the standpoint of the sciences. Required for all biology majors. Fulfills Core 10. Prerequisite: senior standing.

Chemistry & Biochemistry

Professors:

Jimmie M. Purser, Ph.D.

Timothy J. Ward, Ph.D., Associate Dean of the Science Division

Associate Professors:

L. Lee Lewis, Ph.D.

Kristina L. Stensaas, Ph.D., Chair

Assistant Professor:

Wolfgang H. Kramer, Ph.D.

Instructor:

Corinne G. Ciaccio, M.S.

Requirements for Chemistry major: All students pursuing a degree in Chemistry must complete the following courses:

- General Chemistry I (CHEM 1213) and II (CHEM 1223) and General Chemistry Laboratory I (CHEM 1211) and II (CHEM 1221)
- Organic Chemistry I (CHEM 2110) and II (CHEM 2120) and Organic Chemistry Laboratory I (CHEM 2111) and II (CHEM 2121)
- Quantitative Analysis (CHEM 2310) and Applications of Quantitative Analysis (CHEM 2312)
- Physical Chemistry I (CHEM 3410) or Principles of Physical Chemistry (CHEM 3400)
- Chemical Separations (CHEM 3310) or Instrumental Analysis (CHEM 3320)
- Organic Spectral Analysis (CHEM 3123)
- Literature of Chemistry (CHEM 4900)

Students pursuing a B.S. degree with a major in Chemistry must satisfy two of their additional degree requirements with College Physics I (PHYS 1203) and II (PHYS 1213) and College Physics Laboratory I (PHYS 1201) and II (PHYS 1211) or General Physics I (PHYS 1003) and II (PHYS 1013) and General Physics Laboratory I (PHYS 1001) and II (PHYS 1011). Students must take two additional electives from any chemistry, biology, physics, or mathematics courses numbered above 3000.

The Department of Chemistry is accredited through the American Chemical Society (ACS) to offer the ACS degree certification in Chemistry. The ACS certified degree provides more in-depth training for those students who wish to pursue graduate studies in chemistry or other advanced studies. To receive the ACS certification, the student must maintain a 2.50 GPA in chemistry and must take the following courses in addition to the above-listed requirements:

- Analytical Geometry and Calculus II (MATH 2230)
- Physical Chemistry I (CHEM 3410) and II (CHEM 3420)
- Advanced Inorganic Chemistry (CHEM 3210)
- Instrumental Analysis (CHEM 3320)
- Two additional chemistry courses numbered above 3000 from the following:

Advanced Organic Chemistry (CHEM 3110), Principles of Chemical Separations (CHEM 3310), Biochemistry I (CHEM 3610), Biochemistry II (CHEM 3620), Environmental Chemistry (CHEM 3730)

Students pursuing an ACS degree must take calculus-based General Physics I (PHYS 1003) and II (PHYS 1013) and General Physics Laboratory I (PHYS 1001) and II (PHYS 1011).

A grade of C or higher is required in all courses required for a chemistry major or minor.

Requirements for Chemistry minor: Students may elect a minor in chemistry by taking the following courses:

- General Chemistry I (CHEM 1213) and II (CHEM 1223) and General Chemistry Laboratory I (CHEM 1211) and II (CHEM 1221)
- Organic Chemistry I (CHEM 2110) and II (CHEM 2120) and Organic Chemistry Laboratory I (CHEM 2111) and II (CHEM 2121)
- one additional four-semester-hour chemistry course numbered 2000 or above

Requirements for Biochemistry major: All students pursuing a major in biochemistry must complete the following courses:

- General Chemistry I (CHEM 1213) and II (CHEM 1223) and General Chemistry Laboratory I (CHEM 1211) and II (CHEM 1221)
- Organic Chemistry I (CHEM 2110) and II (CHEM 2120) and Organic Chemistry Laboratory I (CHEM 2111) and II (CHEM 2121)
- Quantitative Analysis (CHEM 2312)
- Physical Chemistry I (CHEM 3410) or Principles of Physical Chemistry (CHEM 3400)
- Cell Biology (BIOL 1000) and Zoology (BIOL 1020)
- Genetics (BIOL 2000) and Molecular Cell Biology (BIOL 3300)
- Biochemistry I (CHEM 3610)
- Biochemistry II (CHEM 3620)
- Two advanced science electives (chemistry, biology, physics or mathematics courses numbered 3000 or above)
- Literature of Chemistry (CHEM 4900)

Students pursuing a B.S. degree with a major in biochemistry must satisfy two of their additional degree requirements with College Physics I (PHYS 1203) and II (PHYS 1213) and College Physics Laboratory I (PHYS 1201) and II (PHYS 1211) or General Physics I (PHYS 1003) and II (PHYS 1013) and General Physics Laboratory I (PHYS 1001) and II (PHYS 1011).

A grade of C or higher is required in all courses required for a Biochemistry major.

Courses

1213 General Inorganic Chemistry I (3 sem. hours). An introduction to the theory, practice, and methods of chemistry. Development of atomic theory, atomic and molecular structure, chemical bonding, periodicity of the elements, stoichiometry, states of matter, and basic energy considerations. This course and CHEM 1211 fulfill Core 7 or 9. Corequisite: CHEM 1211.

1211 General Inorganic Chemistry Laboratory I (1 sem. hour). A coordinated course (with General Chemistry I) emphasizing chemical techniques, skills, and methods for qualitative and quantitative analysis of laboratory data and their limitations. This course and CHEM 1213 fulfill Core 7 or 9. Corequisite: CHEM 1213.

1223 General Inorganic Chemistry II (3 sem. hours). An introduction to the states of matter, solution and descriptive chemistry, equilibrium, thermodynamics, kinetics, oxidation and reduction, and electrochemistry. This course and CHEM 1221 fulfill Core 7 or 9. Prerequisite: CHEM 1213. Corequisite: CHEM 1221.

140 | **1221 General Inorganic Chemistry Laboratory II (1 sem. hour).** A coordinated course (with General Chemistry II) to develop chemical techniques. Includes introductory qualitative and quantitative analysis. This course and CHEM 1223 fulfill Core 7 or 9. Prerequisite: CHEM 1211. Corequisite: CHEM 1223.

2110 Organic Chemistry I (4 sem. hours). First in a two-semester sequence in the application of chemical principles to organic compounds and the elucidation of their chemical and physical properties. Development of theoretical principles including product structure determination, reaction mechanisms, kinetics, stereochemistry, and strategies of organic synthesis. Prerequisite: CHEM 1223. Corequisite: CHEM 2111.

2111 Organic Chemistry Laboratory I (1 sem. hour). A coordinated one-hour course (with CHEM 2110) emphasizing organic synthesis, separation techniques, spectral analysis, and testing of mechanism theory and relative rates. Corequisite: CHEM 2110

2120 Organic Chemistry II (4 sem. hours). Second part of a two-semester sequence; a study of the more common oxygen, nitrogen, sulfur, and halogen derivatives of carbon. Emphasis is placed on structure, stereochemistry, preparation, chemical reactions, and physical properties and their relationship to the properties of biomolecules. Prerequisite: CHEM 2110. Corequisite: CHEM 2121.

2121 Organic Chemistry Laboratory II (1 sem. hour). A coordinated one-hour course (with CHEM 2120) emphasizing more advanced syntheses and use of instruments for separation techniques and spectral analysis. Corequisite: CHEM 2120.

- 2310 Quantitative Analysis (4 sem. hours).** This course will cover the use of basic statistical methods to treat sample data. Theories and concepts studied include solution equilibria, acid-base theory, oxidation-reduction, complexation, and solubility equilibria. An introduction to potentiometric and spectroscopic techniques. Prerequisite: CHEM 1223. Corequisite: CHEM 2312.
- 2312 Applications of Quantitative Analysis (2 sem. hours).** Gravimetric, titrimetric, and volumetric methods along with statistical methods to evaluate data are presented in the laboratory. Various unknowns are determined utilizing the basic techniques described above. The laboratory will also introduce potentiometry and UV-visible spectroscopy. Corequisite: CHEM 2310.
- 3110 Advanced Organic Chemistry (4 sem. hours).** An in-depth study of major organic mechanisms, along with selected topics such as heterocyclics, polymers, and molecular orbital modeling. Stereochemical and mechanistic applications are discussed including their application to biomolecules. Prerequisite: CHEM 2120.
- 3123 Organic Spectral Analysis (3 sem. hours).** Theory and practice of instrumental analysis of organic compounds. Emphasis is on interpretation of data from modern instrumentation. Capabilities and limitations of spectral analyses are considered. Prerequisite: CHEM 2120.
- 3210 Advanced Inorganic Chemistry (4 sem. hours).** A course designed primarily for students pursuing the American Chemical Society accredited degree in chemistry. This course is an overview of the principles of advanced inorganic chemistry including applications of group theory and symmetry, molecular bonding theories, nomenclature, kinetics and mechanisms, organometallics, polymers, and advanced inorganic laboratory techniques. The course has a lecture and laboratory component. Prerequisites: CHEM 2310 and MATH 1220. Prerequisite or corequisite: CHEM 3410 or CHEM 3400.
- 3310 Principles of Chemical Separations (4 sem. hours).** Techniques covered include crystallization, distillation, gas and liquid chromatography, counter-current chromatography, micellar chromatography, electrophoretic techniques, and field flow fractionation. This course will also examine general transport theory, formation and properties of Gaussian zones, diffusion, zone broadening, concepts of plate height, resolution, and peak capacity. A laboratory section is included in the course. Prerequisite: CHEM 2310. Offered occasionally.
- 3320 Instrumental Analysis (4 sem. hours).** An introduction to the basic design and theory of operation for modern instrumentation. Topics to be covered include flame spectroscopy, UV-visible spectroscopy, fluorescence and phosphorescence, IR, NMR, potentiometry, mass spectrometry, and an introduction to electro-analytical techniques. This course will emphasize the practical applications and limitations of each technique. Included in the course is a laboratory period. Prerequisite: CHEM 3400 or CHEM 3410.
- 3400 Principles of Physical Chemistry (4 sem. hours).** This is a noncalculus-based course designed for the general chemistry major and those pursuing careers in the health sciences. Topics covered include structure of matter, gas laws, properties of liquids and solutions, thermodynamics, equilibrium, chemical kinetics, catalysis, and properties of macromolecules. An integrated laboratory is included in the course. Prerequisite: CHEM 2310.

3410 Physical Chemistry I (4 sem. hours). This course includes the development of theory and techniques used in kinetics and in thermodynamics and equilibrium of gases, liquids, and solutions (nonelectrolytes and electrolytes). The integrated laboratory includes experiments in the above areas. Prerequisites: MATH 1220, CHEM 2310, PHYS 1003.

3420 Physical Chemistry II (4 sem. hours). This course includes quantum chemistry and molecular bonding and structure, as well as the history of the development of quantum mechanics. An integrated laboratory is included in this course and gives practical applications of quantum chemistry through the use of spectroscopy and other techniques. Prerequisites: CHEM 2310, MATH 1220, PHYS 1013.

3610 Biochemistry I (4 sem. hours). An introduction to the structure, dynamics, and function of macromolecules: proteins, nucleic acids, carbohydrates, and lipids. Topics include replication, transcription, enzyme kinetics, mechanisms of enzyme action, and protein biosynthesis. Prerequisites: CHEM 2120, BIOL 1000.

3620 Biochemistry II (4 sem. hours). An introduction to the basic concepts and design of metabolism. Topics include the generation and storage of metabolic energy, control of gene expression, the application of biochemical principles to physiological processes, and biological membranes. Prerequisite: CHEM 3610.

3700–3703 Undergraduate Research (1–4 sem. hours). Library and laboratory research in special areas under the guidance of the instructor. Prerequisite: permission of the instructor.

142 | **3730 Environmental Chemistry (4 sem. hours).** An introduction to environmental chemistry as applied to aquatic, atmospheric, soil and hazardous waste systems. Topics include environmental chemical cycles, aquatic chemistry, atmospheric chemistry, soil chemistry, environmental chemistry of hazardous wastes, and toxicology. Included in the integrated laboratory component is an overview of various environmental chemical analyses. Prerequisite: CHEM 2120.

3750–3753 Special Topics in Chemistry (1–4 sem. hours). Special areas of study not regularly offered for an organized class of interested students. Prerequisite: permission of the instructor.

3800–3803 Independent Study (1–4 sem. hours). Following the basic courses, this offering will permit a student to pursue advanced topics under the direction of the appropriate chemistry staff member.

3850–3853 Internship (1–4 sem. hours). Practical experience and training with selected research, educational, governmental, and business institutions. Credit/no credit grading only. Prerequisite: permission of the instructor.

4900 Literature of Chemistry (4 sem. hours). Processing and managing information from the chemical literature with oral and written presentations. History of chemistry and the proper use of chemical literature are included. Prerequisite or corequisite: CHEM 2120, CHEM 3310, or CHEM 3320, CHEM 3410, or CHEM 3400.

Computer Science

Professors:

Jimmie M. Purser, Ph.D.

Robert A. Shive Jr., Ph.D.

Associate Professor:

Donald R. Schwartz, Ph.D., Chair

Assistant Professor:

William H. Bares, Ph.D.

Yan Wang, Ph.D.

Requirements for majors: Students may complete a major in computer science or a major in computer science with a concentration in computer information systems. The computer science major is intended to prepare students for graduate studies or technical careers in computing, while the concentration in computer information systems prepares students for careers that involve the applications of computing. All students pursuing either major must take 11 courses (44 semester hours), including Computer Science I (CSCI 1010), Computer Science II (CSCI 1020), Computer Organization and Machine Programming (CSCI 2100), Data Structures and Algorithms (CSCI 2300), and both semesters of Seminar (CSCI 4902 & CSCI 4912). In addition, students must take courses specific to their major as described below.

Major in Computer Science: One of Computer Graphics (CSCI 3410), Computer Architecture (CSCI 3110), or Theory and Design of Operating Systems (CSCI 3300); two computer science courses numbered 3000 or higher; two additional computer science or mathematics courses numbered 3000 or higher; and Introduction to Advanced Mathematics (MATH 2310).

Major in Computer Science with a Concentration in Computer Information Systems: Systems Analysis and Design (CSCI 3210); Elementary Statistics (MATH 1150); two computer science courses numbered 3000 or higher; and two additional courses from the following list: any computer science or mathematics course numbered 3000 or higher, Principles of Financial Accounting (ACCT 2000), Introduction to Management (MGMT 3000), and Operations Management (QMGT 3000).

Only grades of C- or higher will be accepted for any computer science course required for the selected major. All requirements for the selected major not taken at Millsaps must be approved in advance by the department chair.

Requirements for minor: Students may elect a minor in computer science with Computer Science I (CSCI 1010), Computer Science II (CSCI 1020), and at least two computer science courses numbered 2000 or higher. Only grades of C- or higher will be accepted for any computer science course required for the minor.

Courses

1000 Problem Solving with Computer Software (4 sem. hours). Introduction to the use of computer software and hardware including introduction to operating systems, editors, electronic mail, word processing, spreadsheets, relational databases, and statistical packages available on the campus network. This course emphasizes problem solving in the utilization of computer resources.

1010 Computer Science I (4 sem. hours). An introduction to algorithms and computer programming. Basic programming constructs, data structures, recursion, and graphical user interface construction. Prerequisite: Completion of MATH 1130 or eligibility of MATH 1220.

1020 Computer Science II (4 sem. hours). A continuation of Computer Science I. Topics include linked lists, stacks and queues, trees and graphs, sorting algorithms, algorithm analysis, data abstraction, and software engineering. Prerequisite: CSCI 1010.

2100 Computer Organization and Machine Programming (4 sem. hours). An introduction to the architecture and operation of a computer system. Includes data representation, assembly language programming, addressing methods, subroutines, assemblers, and linkers. Prerequisite: CSCI 1020.

2300 Data Structures and Algorithms (4 sem. hours). Algorithm design, analysis, and implementation. Topics include specialized trees and graphs, advanced searching and sorting, priority queues, complexity analysis, and algorithm design techniques. Prerequisite: CSCI 1020.

2440 Multimedia Principles and Design (4 sem. hours). Principles and methods of multimedia systems. Case studies, team exercises, and the use of multimedia development and authoring tools. Laboratory work focuses on multimedia course ware development. Prerequisite: CSCI 1000 or CSCI 1010 or permission of Department Chair.

144 | **2750-2753 Special Topics (1–4 sem. hours).** This course addresses areas not necessarily covered in other courses and allows the department to introduce new topics into the curriculum. Offered occasionally.

3100 Data Communications and Networks (4 sem. hours). Theoretical and practical factors in data communications including historical aspects, communications equipment, transmission media, protocols, error effects, topologies, architectures, and network strategies. Laboratory experience in network development and management. Prerequisite: CSCI 1020. Offered occasionally.

3110 Computer Architecture (4 sem. hours). Comparative architectures, systems structure and evaluation, memory and process management, resource allocation, protection, concurrent processes, and current trends in system design and operations. Prerequisite: CSCI 2100. Offered occasionally.

3210 Systems Analysis and Design (4 sem. hours). System development life cycle, CASE tools, decision tables, data collection and analysis, systems planning and design, computer system evaluation and selection, and implementation of systems. Prerequisite: CSCI 2300 or permission of Department Chair.

3220 Database Management (4 sem. hours). Database concepts, organization and applications, database management systems, and the implementation of various databases. Prerequisite: CSCI 1020.

3300 Theory and Design of Operating Systems (4 sem. hours). Process scheduling, process synchronization, multi-threaded programming, memory management, file management, and hands-on introduction to the LINUX operating system. Prerequisite: CSCI 2100 and CSCI 2300.

- 3310 Automata, Computability, and Compiler Theory (4 sem. hours).** Automata, Turing machines, theory of computation, techniques of compiler design, lexical analysis and parsing, and classification of grammars. Prerequisite: CSCI 2300. Offered occasionally.
- 3400 Artificial Intelligence (4 sem. hours).** Autonomous agents, finite-state machines, state-space search, game trees, path planning, and optimization techniques such as hill-climbing and genetic algorithms. Prerequisite: CSCI 2300 or permission of Department Chair.
- 3410 Computer Graphics (4 sem. hours).** Color theory, two- and three-dimensional transformations, clipping, parallel and perspective projections, hidden-surface removal, and shading. Prerequisite: CSCI 2300 (or permission of Department Chair) and MATH 1220.
- 3440 Multimedia Systems and Applications (4 sem. hours).** An exploration into advanced features of multimedia and the Internet, including compression, event synchronization, storage, and networked applications. Tools for multimedia design, development, and evaluation. The course contains a laboratory component. Prerequisite: CSCI 1010 and CSCI 2440.
- 3500 Discrete Structures (4 sem. hours).** Topics covered include predicate logic, algorithms, modular arithmetic, counting techniques, recurrence relations, graph theory, and trees. Prerequisite: MATH 2230 and MATH 2310. This course is the same as MATH 3560. Offered occasionally.
- 3600 Software Engineering (4 sem. hours).** Design, construction, and maintenance of large software systems. Topics include project planning, requirements analysis, software design methodologies, software implementation and testing, maintenance, and software metrics. Prerequisite: CSCI 1020.
- 3620 Rapid Application Development (4 sem. hours).** Software development in the rapid development/rapid prototype realm. Topics include user-interface design strategies, software engineering, object-oriented programming, graphics, and database access. Prerequisite: CSCI 1020.
- 3750–3753 Special Topics (1–4 sem. hours).** This course addresses areas not necessarily covered in other courses and allows the department to introduce new topics into the curriculum. Offered occasionally.
- 3800–3803 Directed Study (1–4 sem. hours).**
- 4750–4753 Special Topics (1–4 sem. hours).** This course addresses areas not necessarily covered in other courses and allows the department to introduce new topics into the curriculum. Offered occasionally.
- 4902–4912 Senior Seminar (2 sem. hours each).** Discussion of current problems and trends in computing. Design and implementation of a senior project. Prerequisite: Permission of Department Chair.

Education

Professor:

Marlys T. Vaughn, Ph.D.

Associate Professor:

Connie Schimmel, Ph.D., Chair

Director of Principals' Institute and Assistant Professor:

Ledora O. Harris, Ph.D.

The Teacher Education Program

The Teacher Education Program's interdepartmental course of study for undergraduates is composed of a unique mix of course work in the student's major combined with fieldwork, seminars, and clinical practice experiences. The program, NCATE accredited and approved by the Mississippi Department of Education, allows students who complete licensure requirements to teach within or outside the state of Mississippi. Elementary and secondary licensure options are available. Elementary licensure requires a major in elementary education. Secondary licensure requires a major in the candidate's content area and the unit's three generic core courses, and the clinical practice semester. Secondary licensure is available in art education, biology, business education, chemistry, general science, English language and literature, drama (performing arts), social studies, mathematics, music education instrumental, music education vocal, physics, psychology, sciences, technology education, theatre, and world languages including French, Latin, and Spanish.

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A minor in education is available, as are numerous supplemental licensures including licensure in mild/moderate disabilities.

The licensure that candidates earn upon program completion is granted by the state of Mississippi for teaching in the public schools. The license is valid in most states through reciprocity agreements. Independent and private schools, as a rule, do not require licensure through the Mississippi State Department of Education (MDE) for teaching positions. Students may take one or several courses—Human Development, a Cross Cultural Perspective (IDST 1610); Instructional Design, Implementation, and Management (EDUC 3200); Education of the Exceptional Population (EDUC 3130); Field Research in Reading (EDUC 3850) or Performance Assessment in Content Area Reading (EDUC 3110)—as preparation for teaching in independent or private schools and to meet the requirements for a minor in education. Independent school administrators have become increasingly interested in teacher candidates who are fully prepared and licensed within a liberal arts curriculum.

In accordance with Title II federal regulations, all students seeking licensure must take and pass the national exam as required by MDE in their subject areas as required by MDE prior to student teaching.

Teaching Area Requirements

Elementary licensure (K–6) requires a major in elementary education. Secondary licensure requires a major in the candidate's content area and the unit's three generic core courses, and Clinical Practice (EDUC 4500). Secondary licensure is available in art education, biology,

business education, chemistry, general science, English language and literature, drama (performing arts), social studies, mathematics, music education instrumental, music education vocal, physics, psychology, sciences, technology education, theatre, and world languages including French, Latin, and Spanish. Students who receive secondary licensure take three basic education courses (listed within the education department), complete the clinical practice semester, and meet the requirements for their specific academic majors. Successful completion of the secondary licensure program constitutes a minor in education. In addition, candidates may teach in other areas and obtain more than one supplemental licensure by become “highly qualified” in other discipline-specific areas. With careful course planning, licensure in several teaching areas is possible. These teaching areas require 21 credit hours in a content area or passage of the Praxis II Area Specialty Exam specific to the discipline. Many Millsaps licensure candidates fulfill these licenses by matriculation through the College’s core curriculum and by meeting requirements for minors.

Secondary Licensure

Program participants seeking secondary licensure (7-12) must take the three core generic social science courses that undergird and provide unified scaffolding for the instructional teaching and learning process as well as the clinical practice semester. These courses plus the clinical practice semester constitute a minor in education. Students who do not complete the clinical practice semester may also receive a minor in education by taking four basic education courses. A list of approved courses is available in the education department. Traditional teacher licensure requires the clinical practice semester. This is the equivalent of 16 hours, but can be reduced to 12 hours of credit if a student needs another course to graduate during that semester. The professional education generic course sequence required for secondary licensure and a minor includes the following:

- Human Development, a Cross-Cultural Perspective (IDST 1610)
- Education of the Exceptional Population (EDUC 3130)
- Performance Assessment in Content Area Reading (EDUC 3110); or discipline-specific course (such as Ford Fellows, Honors, etc. with justification and approval by education department chair)—required for a minor only if students are NOT taking EDUC 4500
- Instructional Design, Implementation, and Management (EDUC 3200)
- Field Research in Reading (EDUC 3850)
- Clinical Practice semester (EDUC 4500)

Elementary Licensure

Program participants seeking elementary licensure must major in elementary education. Standard elementary licensure offers K–6 licensure, allowing students to teach in public as well as private/independent schools. Elementary licensure also provides reciprocity with most states for the Millsaps College education program is NCATE accredited. Students are encouraged to double major and/or seek at least two teaching areas of concentration of 21 hours each, one of which must be in the area of reading. A major in elementary education requires 44-52 hours (9-10 courses) of professional education courses. These include the professional education generic course sequence and the additional courses which follow:

- Human Development, a Cross Cultural Perspective (IDST 1610)
- Early Literacy Instruction I (EDUC 3100)
- Performance Assessment in Content Area Reading (EDUC 3110)
- Early Literacy Instruction II (EDUC 3120)
- Education of the Exceptional Population (EDUC 3130)

- Instructional Design, Implementation, and Management (EDUC 3200)
- Reading Diagnosis and Remediation (EDUC 3840) (optional)
- Field Research in Reading (EDUC 3850)
- Educational Theory (EDUC 4900) (or embedded in appropriate class in major)
- Clinical Practice (EDUC 4500) semester (16 hours, but can be reduced to 12 if a student needs another course during the student teaching semester)

Areas of Licensure & Supplementary Licensure

Licensure areas (secondary education):

Art education
 Biology
 Business education
 Chemistry
 General science
 English language and literature
 Drama (performing arts)
 Social studies
 Mathematics
 Music education instrumental
 Music education vocal
 Physics
 Psychology
 Sciences
 Technology education
 Theatre
 World languages (including French, Latin, Spanish, and German)

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Supplemental licensure:

Mildly/Moderately handicapped (K–6)
 Mildly/Moderately handicapped (7–12)
 Gifted/Talented
 Computer applications
 Remedial reading
 Content areas of concentration (minimum of 21 semester hours)

Comparison of Elementary Major, Education Minor, and Secondary Licensure Options

	Elementary Major	Education Minor	Secondary Licensure
Required Courses:	9 required courses + clinical practice	4 required courses	3 required courses + clinical practice

Double major: Must major or double major in an academic discipline.

With this degree, you can: Teach in an elementary school, K–6; teach at some private or independent schools; teach in a secondary school in the licensed subject area, 7–12.

Degree Requirements

A total of 32 courses is required for the bachelor of arts, bachelor of science, and bachelor of business administration degrees. Of this total, at least 30 courses or 120 semester hours must

be letter-graded academic credit. For transfer purposes, one course unit is the equivalent of four semester hours credit. All Millsaps students must complete the following Core courses specifically designed to develop the general abilities of a liberally educated person:

Core 1: Introduction to Thinking and Writing.....	4 semester hours
Core 2: Multi-disciplinary Topics in the Ancient World.....	4 semester hours
Core 3: Multi-disciplinary Topics in the Pre-Modern World.....	4 semester hours
Core 4: Multi-disciplinary Topics in the Modern World.....	4 semester hours
Core 5: Multi-disciplinary Topics in the Contemporary World.....	4 semester hours
Core 6: Topics in Social and Behavioral Science.....	4 semester hours
Core 7: Topics in Natural Science with Laboratory.....	4 semester hours
Core 8: Topics in Mathematics.....	4 semester hours
Core 9: Topics in Mathematics, Natural Science, or Computer Science.....	4 semester hours

Courses that satisfy core requirements are selected from an approved list published each semester with the class schedule. It is the student’s responsibility to be sure that courses completed satisfy college core requirements.

All incoming students are required to complete Core 1 in the first year. All other Core courses should be completed by the end of the sophomore year. Transfer students and adult students who cannot meet this schedule should complete their core requirements as early in their college careers as possible. Failure to complete core requirements may result in disqualification from enrollment in the student teaching semester.

Admission to the Program

Students are encouraged to formally apply to the program during the freshman, sophomore, or junior year. Admission is based on academic standing and expressed interest in teaching. Applicants must be able to schedule departmental and program requirements with a reasonable degree of flexibility. Official notification is sent to the student when it has been determined that the student has completed a minimum of 44 semester hours of core curriculum coursework required by the Mississippi Department of Education, achieving a GPA of 2.50. In addition the student must have an ACT score of 21 with no score lower than 18 on any subcategory or a minimum SAT score of 860, or attain a minimum score on the Praxis I (Reading, Writing, and Math) test provided by the state.

Professors in the department of education as well as the licensure candidate’s academic advisers are available for consultation and guidance about particular programs of study. It is the licensure candidate’s responsibility to make certain that all academic requirements are met for a degree, licensure, and graduation. Program requirements for each licensure area are on file in the education department. Successful completion of academic requirements depends heavily on student initiative, strategic planning, and record keeping. Appropriate questions and documentation are essential for successful program completion. Permanent records are kept in the office of records. Programs for licensure are kept in the education department.

Exit Requirements

To receive the College’s recommendation for teacher licensure the licensure candidate must meet the following exit requirements:

1. Pass the Praxis II and Specialty Area tests of the National Teacher Examination no later than the semester prior to graduation.
2. Complete clinical practice with a grade no lower than a C.

3. Pass all parts of the comprehensive examination process.
4. Send copies of Praxis and Specialty scores directly to Millsaps College and to themselves.
5. Complete the exit report for the permanent file.

Preparation for Independent School Teaching

Students who are not enrolled in the program for teacher preparation may enroll in Human Development, a Cross-Cultural Perspective (IDST 1610), Instructional Design, Implementation, and Management (EDUC 3200), Field Research in Reading (EDUC 3850) or Performance Assessment in Content Area Reading (EDUC 3110), or Education of the Exceptional Population (EDUC 3130) as preparation for teaching in independent schools after graduation. The requirements for these courses are the same for these students as for students in the licensure program. Completion of these four courses meets the requirements for a minor in education. Students considering this option should meet with a program staff member early in the spring semester of the sophomore or junior year.

Student Teaching & Coursework Abroad

Program participants may elect to teach abroad during their student teaching semester, or take other courses towards their majors or areas of concentration abroad. A variety of options are available, including Department of Defense schools. If a student is interested in this possibility, the student needs to contact the education department faculty as early as possible so that the application procedure can begin.

Placement

The teacher preparation program provides placement services to Millsaps students and alumni seeking teaching positions in elementary and secondary schools, both public and private.

Lilly Service Intern & Lilly Fellow Programs

Students may opt to become Lilly Service Interns or Lilly Fellows, programs designed to encourage exploration into the relationship between work, meaning, and service to others. Both interns and fellows must take the course The Meaning of Work (FWRK 2400), cross-listed in religion (RLST 2400) and philosophy (PHIL 2750). Lilly Service Interns also take one service-learning course – Field Research in Reading (EDUC 3850), Instructional Design, Implementation, and Management (EDUC 3200), or Performance Assessment, Literacy, or Reading – or complete one Lilly internship. The clinical practice semester can meet this requirement. Lilly Fellows complete The Meaning of Work (FWRK 2400), an applied ethics course, and two semesters of Lilly internship. Fellows receive a \$1,000 stipend for their internship work. Both the service interns and the fellows programs, when successfully completed, appear on students' permanent transcript. For more information, visit www.millsaps.edu/faithwrk, or email faithwork@millsaps.edu.

Principals' Institute

The Millsaps College Principals' Institute provides personal and professional growth opportunities for principals and assistant principals, and teachers of public, private, and parochial schools. The institute is an effort to form partnerships between Millsaps College and the K–12 education community to strengthen education in Mississippi. The institute awards professional development credits to administrators and teachers who participate in its programs.

Courses

Check with the Department of Education for changes in course offerings and requirements

IDST 1610 Human Development in Cross-Cultural Perspective (4 sem. hours). Students explore and apply theories surrounding the physical, social, emotional, and cognitive aspects of human development. The course demands an immediate and personal perspective for college students as they construct underlying frameworks for understanding human development.

IDST 1660 Get Creative!: Interdisciplinary Approaches for Developing Creativity (4 sem. hours). This course explores social-sciences-based approaches to understanding, explaining, and enhancing creativity. The course will provide an interdisciplinary perspective on topics foundational to any effort to augment one's own creativity or that of others, including how creativity should be defined, how creativity can be understood as both an individual and a social phenomenon, what processes are involved in creativity and innovation, and how creativity can be fostered in individuals and in groups.

2100 Deaf Culture/American Sign Language (4 sem. hours). A study of the deaf community and beginning American Sign Language (ASL) skills. The course introduces students to various sign methods, the linguistic structure of ASL, the experience of deaf people throughout history, and the impact and importance of ASL and deaf culture.

3100 Early Literacy Instruction I (4 sem. hours). Concepts, materials, and teaching strategies for oral language development and systematic early reading and writing instruction specific to concepts about print, phonemic awareness, and phonics. Differentiated instruction and depth of knowledge are foci.

3110 Performance Assessment in Content Area Reading (4 sem. hours). A study of the concepts and statistical methods used in the assessment of content area reading, including the construction and use of classroom assessment instruments, standardized tests of intelligence and reading performance, RtI practices and the use of statistics in the assessment of student learning and data analysis for informed decision making.

3120 Early Literacy Instruction II (4 sem. hours). Concepts, materials, and teaching strategies for oral language development and systematic early reading and writing instruction specific to vocabulary, fluency, and comprehension. Differentiated instruction, depth of knowledge, and RtI are emphasized.

3130 Education of the Exceptional Population (4 sem. hours). A study of exceptional individuals with special attention to the instructional needs of the child and adolescent. The course emphasizes the identification and remediation processes, differential diagnosis, IEPs, RtI, and etiologies.

3200 Instructional Design, Implementation, and Management (K–12) (4 sem. hours). A field-based study of effective instructional and behavioral management techniques appropriate for elementary, middle school, and high school students with special attention to student learning styles and teacher instructional styles, student self-discipline, and the relationship between school and society. Mastery of the Student Teacher Assessment Instrument (STAI) is a component of the course.

3250 Get Creative!: Interdisciplinary Approaches for Developing Creativity (4 sem. hours). This course explores social-sciences-based approaches to understanding, explaining, and enhancing creativity. The course will provide an interdisciplinary perspective on topics foundational to any effort to augment one's own creativity or that of others, including how creativity should be defined, how creativity can be understood as both an individual and a social phenomenon, what processes are involved in creativity and innovation, and how creativity can be fostered in individuals and in groups.

3260 Practicum in Arts Enrichment (4 sem. hours). In this hands-on course, Millsaps students will have the opportunity to lead an arts enrichment program in the North Midtown community. The course centers on the ideas of Viola Spolin and other foundational thinkers on developing creativity and artistic sensibility in young people. In addition, the course incorporates topics such as child development and best practices of instruction, making the class valuable for those interested in a variety of careers working with children, whether in educational or other settings.

3830 Ways of Reading (4 sem. hours). Students put social sciences theory into practice, reading texts and contexts across cultures through qualitative research methods. In an international context, students reflect critically on their literacy and personal educational history while experiencing social interaction in multiple educational and cultural settings. Ethnographic field work will involve exploration of multiple literacies and perspectives through cultural observation, field notes, reflective journaling, and writing ethnography. RtI is emphasized.

3840 Reading Diagnosis and Remediation (4 sem. hours). The ideology of reading problems, the assessment of reading skills, interpretation of assessment data, various instructional interventions, and implications for future student assessment and instruction are investigated. Diagnostic thinking and action research are reviewed and inform decisions regarding assessment, instruction, and recommendations for remediation.

3850 Field Research in Reading (4 sem. hours). A model for field-based classroom research and remediation that fosters the development of teacher candidates as scholars, leaders, and researchers. The course involves a criterion reference approach to teaching reading, utilizing pre- and post-testing procedures with the monitoring of student progress.

3860 Advanced Internship in Special Education I (4 sem. hours). Offers students the opportunity to further explore areas of interest within the field of Special Education. Interns experiment with special emphasis on the chosen exceptionalities for supplemental licensure. Disciplinary focus and field site placements are individualized.

3870 Advanced Internship in Special Education II (4 sem. hours).

3880 Advanced Internship in Special Education III (4 sem. hours). Advanced Internships II and III offer students the opportunity to further explore areas of interest within the field of Special Education. Interns experiment with special emphasis on the chosen exceptionalities for supplemental licensure. Disciplinary focus and field site placements are individualized.

4500 Clinical Practice (16 or 12 sem. hours). Intensive field experience involving student teaching all day for a minimum of 12 weeks at an elementary, middle, or high school in the metropolitan tri-county area.

4750-4753 Special Topics (1-4 sem. hours). In-depth study of specific aspects of education, including k-12 literacy assessment guided instruction with Response to Intervention practicum.

4900 Educational Theory, Policy and Practice (4 sem. hours). The study of educational theory and the philosophies which underlie the development of curricula, instructional programs, and educational policy regarding the enhancement of literacy. Special attention is given to the relationship between educational theory, policy development, and modern educational practice.

Geology

Professors:

James B. Harris, Ph.D., Chair
Stanley J. Galicki, Ph.D.

Assistant Professor:

Zachary A. Musselman, Ph.D.

Requirements for major: Students may complete a major in geology with one of three concentrations. Students must earn a grade of C or better in all required geology courses.

Exploration geology concentration: One introductory (1000-level) geology course, Plate Tectonics and Earth History (GEOL 2000), Minerals and Rocks (GEOL 2200), Sedimentary Geology (GEOL 2300), Subsurface Mapping and Resource Evaluation (GEOL 3200), Structural Geology (GEOL 4200), Solid Earth Geophysics (GEOL 4350), and two additional geology courses (3000-level or above) approved by the department chair. Geology majors with the exploration geology concentration must also take Analytic Geometry and Calculus I (MATH 1220), General Chemistry I (CHEM 1213) and II (CHEM 1223), and General Physics I (PHYS 1003) and II (PHYS 1013).

Environmental geology concentration: One introductory (1000-level) geology course, Plate Tectonics and Earth History (GEOL 2000), Minerals and Rocks (GEOL 2200), Sedimentary Geology (GEOL 2300), Hydrology and Chemistry of Natural Waters (GEOL 3300), Structural Geology (GEOL 4200), Environmental and Engineering Geophysics (GEOL 4300), and two additional geology courses (3000-level or above) approved by the department chair. Geology majors with the environmental geology concentration must also complete General Chemistry I (CHEM 1213) and II (CHEM 1223), two courses in biology, and either Analytical Geometry and Calculus I (MATH 1220) for the bachelor of science degree, or Survey of Calculus (MATH 1210) and Elementary Statistics (MATH 1150) for the bachelor of arts degree. General Physics I (PHYS 1003) and II (PHYS 1013) are highly recommended.

Geophysics concentration: One introductory (1000-level) geology course, Plate Tectonics and Earth History (GEOL 2000), Minerals and Rocks (GEOL 2200), Sedimentary Geology (GEOL 2300), Structural Geology (GEOL 4200), Environmental and Engineering Geophysics (GEOL 4300), and Solid Earth Geophysics (GEOL 4350). Geology majors with the geophysics concentration must also take General Physics I (PHYS 1003) and II (PHYS 1013), three additional physics courses approved by the department chair, Analytic Geometry and Calculus I (MATH 1220) and II (MATH 2230), and one additional math course (2000-level or above).

Field Requirements: Field Geology (GEOL 4906), an advanced field experience, is required for all geology majors. Field Geology may be taken at Millsaps or through another college or university. Geology majors are required to participate in at least one field trip per year. Requirements for minor: Students may elect to minor in geology with one introductory (1000-level) geology course, Plate Tectonics and Earth History (GEOL 2000), one additional 2000-level geology course, and two additional geology courses (3000-level or above) approved by the department chair.

Courses

1000 The Physical Earth (4 sem. hours). Study of the earth, including earth material properties, surface erosional and depositional processes, and earth interior processes.

1100 Environmental Issues of the 21st Century (4 sem. hours). Examination of the facts underlying four major areas of environmental concern: 1) atmospheric pollution and deterioration, 2) water pollution and misuse, 3) population growth and resource availability, and 4) energy resources: availability, alternatives, and possible impacts.

2000 Plate Tectonics and Earth History (4 sem. hours). Study of successive events leading to the present configuration of the continental masses, the evolution and development of life, and the kinds and distribution of rocks and minerals, all viewed using the framework of the theory of plate tectonics. Prerequisite: introductory (1000-level) geology course.

2200 Minerals and Rocks (4 sem. hours). This course will introduce the student to the concepts of mineralogy that are the basis for petrologic, geochemical, and economic investigations. Identification of minerals in hand sample will aid in the understanding the physical and chemical environments that promoted mineral genesis. Discipline-specific skills developed include systematic analysis of minerals and mineral assemblages, and the association of mineral and chemical composition with the environment of formation. Approximately one third of the course will focus on understanding the relationship between mineral assemblages and igneous and metamorphic rock identification, classification, and petrology. Prerequisite or corequisite: GEOL 2000.

2300 Sedimentary Geology (4 sem. hours). Rock sequences, lithologic and paleontologic facies of various parts of the United States, and basic sedimentological principles. Field trips are required. Prerequisite: GEOL 2000.

3000 Paleontology (4 sem. hours). Classification and morphology of fossil invertebrates with reference to evolutionary history and environment and an introduction to vertebrate paleontology with an emphasis on the Mesozoic era, specifically the Dinosauria. Field trips to collect representative fossils are required. Prerequisite: GEOL 2000 or consent of instructor. Offered occasionally.

3200 Subsurface Mapping and Resource Evaluation (4 sem. hours). Discipline-oriented objectives of this course aid in the interpretation and description of geologic features presented on maps and cross sections. Students learn to analyze geologic data and construct maps, and cross sections that effectively illustrate the geologic condition represented by the data. Students formulate credible reserve estimates for both petroleum and mineral prospects. Additional components of this course include an introduction to geological information systems (GIS) software, and wire line logging techniques and interpretation. Prerequisite: GEOL 2000.

3300 Hydrology and Chemistry of Natural Waters (4 sem. hours). A comprehensive study of the occurrence, distribution, and geochemical processes of natural waters. Topics include: hydrologic cycle, Darcy's Law, groundwater flow in confined and unconfined aquifers, stream flow, the effects of common forms of pollution on the natural system, current environmental regulations, and remediation technologies. Prerequisite: GEOL 2000.

3500–3503 Field Study in Geology (1–4 sem. hours). Open to geology majors and some non-geology majors who are interested in field-based study of geologic concepts and processes. Prerequisite: consent of instructor. Offered occasionally.

3510 Yellowstone Field Study (4 sem. hours). This course is designed to provide students with a field-based introduction to the Yellowstone region (Montana, Wyoming, and Idaho). Students learn the tectonic and volcanic history of the Yellowstone Plateau, and observe the modern expression of this volcanic field in Yellowstone's famed geysers and hot springs. In addition, evidence of recent earthquakes is investigated and mapped. Through various field exercises, students also examine stream processes and chemistry. Prerequisite: consent of instructor. Offered in alternate summers.

3520 Earthquakes and Volcanoes of the Pacific Northwest (4 sem. hours). Nowhere in the United States are the processes and products of plate tectonics more apparent than in the Cascadia region of the Pacific Northwest (Oregon, Northern California, and Washington). This course is designed to provide students with a field-based introduction to earthquakes and volcanic hazards of one of the most geologically interesting and beautiful areas of the United States. Prerequisite: consent of instructor. Offered in alternate summers.

3750–3753 Special Topics in Geology (1–4 sem. hours). Open to geology majors and some nongeology majors who are interested in studying a special area of geology that is not offered in a regular course. Prerequisite: consent of instructor.

3800–3803 Directed Research (1–4 sem. hours). Laboratory and/or field research in geology under the guidance of a faculty member. Prerequisite: consent of instructor.

4000 Igneous and Metamorphic Petrology (4 sem. hours). Introduction to the genesis, global distribution, associations, compositions, and classifications of igneous and metamorphic rocks. Laboratory emphasis is on macroscopic and microscopic identification of igneous and metamorphic rocks. Field trips are possible. Prerequisite: GEOL 2200 or consent of instructor. Offered occasionally.

4200 Structural Geology (4 sem. hours). Origin and classification of the structural features of the rocks comprising the earth's crust. Lab emphasizes various techniques of structural analysis. Prerequisites: GEOL 2000.

4300 Environmental and Engineering Geophysics (4 sem. hours). Application of near-surface geophysical methods to environmental and engineering problems (ground water, archaeology, earthquake hazards, etc.). Geophysical methods discussed and demonstrated include seismic, electrical, gravity/magnetic, ground penetrating radar, and borehole geophysics. Fieldwork required. Prerequisite: consent of instructor.

4350 Solid Earth Geophysics (4 sem. hours). Introduction to the fundamentals of geophysics and geophysical exploration (controlled-source seismology, earthquake seismology, gravity, magnetics, and heat flow). Specific observations illustrate how each technique constrains certain aspects of the plate tectonic framework that is fundamental to the study of the earth. Prerequisite: consent of instructor.

4402 Field Methods (2 sem. hours). A course designed to introduce field geology and familiarize students with basic field-mapping procedures. Prerequisite: GEOL 2000.

4900 Field Geology (6 sem. hours). Advanced training in the methods of geologic fieldwork and an introduction to regional geology. Prerequisites: to be determined by the college or university offering the course, but should include GEOL 2000, GEOL 2200, GEOL 2300, GEOL 4200, and previous field experience. Offered in alternate summers. Environmental Studies in Geology

ENVS 2001 (1 sem. hour). Introduces technology known as Geographic Information Systems (GIS). Provides hands on experience using ArcGIS 9.1. Students will gain a greater appreciation of spatial analysis, enhance critical thinking and problem solving skills, and develop a greater understanding of using geographic information systems as a field inquiry. This course will enable students to become familiar with the software and develop fundamental skills.

ENVS 2000 (4 sem. hours). An introductory course in sustainable homestead design taught at the Center for Research and Sustainable Living (CRSL) at the Helen Moyers Biocultural Reserve, Yucatan, Mexico. The CRSL is an off the grid facility built using sustainable design and technology. The course focuses on topics critical to planning, designing, and creating a sustainable home. Topics include zone planning, sustainable construction, solar power, energy efficiency, water supply, waste and wastewater management, and agriculture/permaculture. Lectures will be augmented with field trips and on-site project experimentation, design, and construction.

Mathematics

Professors:

Connie M. Campbell, Ph.D.

Robert A. Shive Jr., Ph.D.

Associate Professors:

Mark J. Lynch, Ph.D.

Assistant Professors:

Gayla F. Dance, M.S., M.A., Chair

Yan Wang, Ph. D.

Instructor:

Tracy L. Sullivan, M.S.

Requirements for major: Students may complete a major in mathematics or applied mathematics with nine mathematics courses that include Analytic Geometry and Calculus II (MATH 2230) and III (MATH 2240), Introduction to Advanced Mathematics (MATH 2310), Linear Algebra (MATH 3650), Senior Seminar (MATH 4902 & MATH 4912). In addition, students complete their major with the following courses:

A. Major in mathematics: Abstract Algebra (MATH 4620), Advanced Calculus (Math 4630), and at least eight additional semester hours on mathematics at or above the 300 level. Majors must also complete one of the following: Computer Science I (CSCI 1010), a physics course with a lab, Econometrics and Applied Statistics (ECON 3030), or an intermediate level course in French.

B. Major in applied mathematics: Differential Equations (MATH 3540), Mathematical Statistics (MATH 4510), and at least eight additional semester hours of mathematics, four hours of which must be at the 4000 level, chosen from among the following: Discrete Structures (MATH 3560), Numerical Analysis (MATH 3570), Advanced Calculus (MATH 4630), Complex Analysis (MATH 4810), or an approved topics class. Majors must also complete Computer Science I (CSCI 1010) and two additional courses, from one department, at the 2000 level or above that use applications of mathematics. The following courses fulfill this requirement: Chemistry: Physical Chemistry I (CHEM 3410), Physical Chemistry II (CHEM 3420) Computer Science: Data Structures and Algorithms (CSCI 2300), Automata, Computability, and Compiler Theory (CSCI 3310), Artificial Intelligence (CSCI 3400), Computer Graphics (CSCI 3410), Software Engineering (CSCI 3600), Geology: Structural Geology (GEOL 4200), Environmental and Engineering Geophysics (GEOL 4300), Solid Earth Geophysics (GEOL 4350), Physics: Modern Physics (PHYS 2000), Classical Mechanics (PHYS 3120), Electromagnetism (PHYS 3110), Thermal Physics (PHYS 3120), Quantum Mechanics (PHYS 3140) Economics: Econometrics and Applied Statistics (ECON 3030) Quantitative Methods (ECON 3060), Finance: Principles of Corporate Finance (FINC 3000), Advanced Finance (FINC 4000).

A C- grade or higher is required for each of the above courses. All requirements for major not taken at Millsaps must be approved in advance by the department chair.

Requirements for minor: Students may elect a minor in mathematics by completing five mathematics courses that include Analytic Geometry and Calculus II (MATH 2230), Analytic Geometry and Calculus III (MATH 2240), Introduction to Advanced Mathematics (MATH 2310), and at least eight additional semester hours of mathematics at or above the 3000 level. A C- grade or higher is required in each of these courses.

Prerequisites for Introductory Mathematics courses

The Mathematics Department enforces the following prerequisites for students enrolling in mathematics courses at the 1000 level. Waivers of the posted prerequisites are possible but must be made by the Mathematics Department. Use the guidelines in “Hints from the Academic Departments” to determine what math courses a student must have to meet degree and major requirements.

ACT Math Subscore	SAT Math Subscore	Placement
13-15	200-380	Students may not enroll in any Millsaps mathematics course until they earn a grade of C or better in an Intermediate Algebra or a higher level course. Such Courses are routinely taught at community colleges.
16-19	390-460	Students are strongly encouraged to complete a course in Intermediate Algebra before enrolling in any mathematics course. They may only enroll in MATH 1000 or MATH 1150, and they may not enroll in Elementary Functions until they earn a grade of C or better in an Intermediate Algebra or a higher level algebra course. Such courses are routinely taught at community colleges.
20-23	470-540	Students may enroll in any mathematics course numbered 1150 or below. They may not enroll in any calculus course until they earn a grade of C or better in Elementary Functions.
24-27	550-620	Students may enroll in any 1000 level mathematics course. However, students who have not had prior exposure to calculus in high school are strongly encouraged to take elementary functions first. Students that intend to take Calculus I but have

not taken a course that includes trigonometry must take elementary functions first.

28-36

630-800

Students may enroll in any 100 level mathematics course. Students that have taken calculus in high school may enroll in Calculus II or Introduction to Advanced Math if they wish. They should not enroll in elementary functions.

Courses

1000 Topics in Mathematics (4 sem. hours). A course with varying topics in mathematics chosen by the instructor. The content may focus on a specific subject or may survey several topics in mathematics. Possible topics include mathematics and society, logic and problem solving, and models in business and the social sciences. This course satisfies the Core 8 requirement but not the Core 9 requirement. This course does not serve as a prerequisite for any other mathematics course. Prerequisite: a minimum ACT mathematics sub-score of 16 or permission of department.

1130 Elementary Functions (4 sem. hours). A review of algebraic expressions, equations, and inequalities, and a study of linear, polynomial, rational, exponential, logarithmic, and trigonometric functions. Credit is not allowed for students who have received college credit for Precalculus or any Calculus course. Prerequisite: A minimum ACT mathematics sub-score of 20 or permission of the department.

1150 Elementary Statistics (4 sem. hours). Introduction to descriptive statistics and statistical inference. Topics include the Central Limit Theorem, confidence intervals, chi square test of independence and goodness of fit, analysis of variance, correlation, and regression analysis. Applications to business, education, and other disciplines are emphasized. Course includes a computer-based laboratory. Prerequisite: A minimum ACT mathematics sub-score of 16 or permission of department.

1210 Survey of Calculus (4 sem. hours). Topics include limits, the derivative, applications of the derivative with focus on applications in business and the social sciences, antiderivatives, and applications of the definite integral. Course includes a computer-based laboratory. Credit is not allowed for both MATH 1210 and MATH 1220. Prerequisite: Elementary Functions (MATH 1130) (with grade of C- or better) or a minimum ACT mathematics sub-score of 24.

1220 Analytic Geometry and Calculus I (4 sem. hours). Topics include limits, continuity of functions, the derivative, antiderivatives, integrals, the fundamental theorem, and applications. Course includes a computer-based laboratory. Credit is not allowed for both MATH 1210 and MATH 1220. Prerequisite: Elementary Functions (MATH 1130) (with grade of C- or better) or a minimum ACT mathematics sub-score of 24.

1750–1753 Selected Topics in Introductory Mathematics (1–4 sem. hours). A narrowly defined, introductory study of an area of mathematics that is not covered through regular departmental offerings. While the course content will be decided upon by the

instructor, topics could include mathematics in art and architecture, financial mathematics, and cryptology. Prerequisite: consent of the instructor.

- 2230 Analytic Geometry and Calculus II (4 sem. hours).** Integration techniques; applications of the integral; the properties of exponential, logarithmic, trigonometric, and inverse trigonometric functions; indeterminate forms; improper integrals; and an introduction to infinite series. Prerequisite: MATH 1220 or departmental approval.
- 2240 Analytic Geometry and Calculus III (4 sem. hours).** A continuation of MATH 2230. Infinite series, partial derivatives, and multiple integrals and their applications. Prerequisite: MATH 2230 or departmental approval.
- 2310 Introduction to Advanced Mathematics (4 sem. hours).** Topics include logic and proofs, set theory, relations, functions, and cardinality. Prerequisite: MATH 1220 or departmental approval.
- 2750-2753 Selected Topics in Intermediate Level Mathematics (1–4 sem. hours).** A study of mathematical topics not covered in regular departmental offerings, or an extension of materials covered in regular departmental offerings. Prerequisite: MATH 1220 and consent of professor.
- 3410 College Geometry (4 sem. hours).** A study of advanced topics in Euclidean geometry and an introduction to non-Euclidean geometries. Selected topics from finite and projective geometries. Prerequisite: MATH 2310 or departmental approval. Offered occasionally.
- 3540 Differential Equations (4 sem. hours).** An introduction to ordinary differential equations, emphasizing equations of first and second order; linear differential equations of higher order and applications to physics, chemistry, and medicine. Prerequisite: MATH 2230 or departmental approval.
- 3560 Discrete Structures (4 sem. hours).** Topics covered include predicate logic, algorithms, modular arithmetic, counting techniques, recurrence relations, graph theory, and trees. Prerequisite: MATH 2230 and 2310 or departmental approval. This course is the same as CSCI 3500. Offered in alternate years.
- 3570 Numerical Analysis (4 sem. hours).** Solutions of nonlinear equations and systems of linear equations, error analysis, numerical integration and differentiation, solution of differential equations, interpolation, and approximation. Prerequisite: MATH 3540 and 3650 or departmental approval. Offered occasionally.
- 3620 Number Theory (4 sem. hours).** Prime numbers and their distribution, divisibility properties of the integers, Diophantine equations and their applications, theory of congruencies, Fermat's Theorem, quadratic reciprocity, and the historical background in which the subject evolved. Prerequisite: MATH 2310 or departmental approval. Offered occasionally.
- 3650 Linear Algebra (4 sem. hours).** Systems of linear equations with emphasis on the Gauss-Jordan technique, determinants geometric vectors with applications to analytic geometry, physics, real finite dimensional vector spaces with applications through linear transformations, eigenvectors, eigenvalues, orthogonal diagonalization, and symmetric matrices. Prerequisite: MATH 2230 or departmental approval.

- 3700–3703 Undergraduate Research (1–4 sem. hours).** Research in special areas under the guidance of the instructor. Prerequisite: consent of the instructor.
- 3750–3753 Selected Topics in Advanced Mathematics (1–4 sem. hours).** A study of an area of mathematics that is not covered in regular departmental offerings, or an extension of materials covered in regular departmental offerings. Prerequisite: consent of the instructor.
- 3850–3853 Internship (1–4 sem. hours).** Practical experience and training with selected research, or teaching mathematics. Credit/no credit grading only.
- 4510 Mathematical Statistics (4 sem. hours).** Topics include sample spaces, discrete and continuous probability distributions, independence and conditional probability, properties of distributions of discrete and random variables, moment-generating functions, sampling distributions, and parameter estimation. Prerequisite: MATH 2240 and 2310 or departmental approval. Offered in alternate years.
- 4620 Abstract Algebra (4 sem. hours).** A rigorous treatment of groups, rings, ideals, isomorphisms, homomorphisms, integral domains, and fields. Prerequisite: MATH 2310 or departmental approval. Offered in alternate years.
- 4630 Advanced Calculus (4 sem. hours).** A rigorous treatment of limits, continuity, differentiation, integration, and convergence in n -dimensional Euclidean spaces. Prerequisite: MATH 2310 and 2240 or departmental approval. Offered in alternate years.
- 4660 Topology (4 sem. hours).** Consideration of topological spaces, including metric spaces, product spaces, and quotient spaces; separation axioms; connectedness; compactness; and continuous functions. Prerequisite: MATH 2310 or departmental approval. Offered occasionally.
- 4750–4753 Selected Topics in Advanced Mathematics (1–4 sem. hours).** A study of an area of mathematics not covered in regular departmental offerings that require a high level of mathematical sophistication. Prerequisite: consent of the instructor.
- 4800 Graph Theory (4 sem. hours).** A theoretical study of trees, connectivity, Eulerian graphs, Hamiltonian graphs, planarity, colorability, and extremal graph theory. Prerequisite: MATH 2310 or departmental approval. Offered in alternate years.
- 4810 Complex Analysis (4 sem. hours).** Topics include complex numbers, sets, and functions; limits and continuity; analytic functions; Cauchy theorems and integrals; Taylor and Laurent series; residues; and contour integration. Prerequisite: MATH 2310 and MATH 2240 or departmental approval. Offered occasionally.
- 4902–4912 Senior Seminar (2 sem. hours each).** Reading and research in advanced mathematics; group and individual presentations both oral and written; preparation for comprehensive examination; opportunities to expand understanding of topics of interest to the individual student. Prerequisite: senior standing or departmental approval.

Physics

Associate Professor:

Asif Khandker, Ph.D.

Assistant Professor:

Shadow J.Q. Robinson, Ph.D.

Requirements for major: Students may complete a major in physics with 10 courses, including General Physics I (PHYS 1003) and General Physics II (PHYS 1013), General Physics Laboratory I (PHYS 1001) and II (PHYS 1013), Modern Physics (PHYS 2000), Classical Mechanics (PHYS 3100), Electromagnetism (3110), Thermal Physics (PHYS 3120), Quantum Mechanics (PHYS 3140), Advanced Physics Laboratory (PHYS 3210), Electronics for Scientists (PHYS 3300), Similarities in Physics (PHYS 4902), and Senior Seminar (PHYS 4912). Students must receive a C or better in all of the required physics courses. Prospective majors should take General Physics I (PHYS 1003) and II (PHYS 1013) and General Physics Laboratory I (PHYS 1001) and II (PHYS 1011) no later than the sophomore year.

Requirements for minor: Students may elect a minor in physics with three courses beyond General Physics I (PHYS 1003) and II (PHYS 1013), and General Physics Laboratory I (PHYS 1001) and II (PHYS 1011). The courses must be approved by the department chair.

Mathematics Requirements

162 | Students interested in maintaining the option of study in physics or related fields (e.g., pre-engineering) are urged to begin their mathematics course work at Millsaps as early as possible and at the highest level possible. It is required that a minimum of Calculus I (MATH 1220), II (MATH 2230), and III (MATH 2240), and Differential Equations (MATH 3540) be taken by all physics or pre-engineering majors.

Courses

ASTR 1000 Introduction to Astronomy (4 sem. hours). This course provides an overview of science's current knowledge of the universe. From its beginning to its possible ends, the universe will be the topic of study. Students will not only learn what is known about the universe, but also will learn how it is that how these things are known.

1001 General Physics Laboratory I (1 sem. hour). Experiments to accompany General Physics I dealing mainly with mechanics and wave motion. Corequisite: PHYS 1003.

1003 General Physics I (3 sem. hours). A broad introduction to general physics for students who have taken an introductory calculus course. Main areas covered are mechanics and waves. Specific topics include vectors, kinematics, Newton's laws of motion, rotation, equilibrium, wave motion, and sound. Prerequisite: MATH 1220 or consent of instructor. Corequisite: PHYS 1001.

1011 General Physics Laboratory II (1 sem. hour). Experiments to accompany General Physics II dealing mainly with electromagnetism and optics. Corequisite: PHYS 1013.

- 1013 General Physics II (3 sem. hours).** The continuation of General Physics I. General topics covered are electricity, magnetism, and optics. Specific topics include electrostatics, current electricity, magnetostatics, time varying fields, and geometrical and physical optics. Prerequisite: PHYS 1003. Corequisite: PHYS 1011.
- 1201 College Physics Laboratory I (1 sem. hour).** Experiments to accompany College Physics I dealing mainly with mechanics, waves, and heat. Corequisite: PHYS 1203.
- 1203 College Physics I (3 sem. hours).** Fundamentals of mechanics, waves, fluids, and selected topics in thermal physics. A noncalculus course intended primarily for majors in the biological and health sciences. Prerequisite: MATH 1100. Corequisite: PHYS 1201.
- 1211 College Physics Laboratory II (1 sem. hour).** Experiments to accompany College Physics II dealing mainly with current electricity, optics, and modern physics. Corequisite: PHYS 1213.
- 1213 College Physics II (3 sem. hours).** The continuation of College Physics I. Fundamentals of electrostatics, current electricity, magnetism, optics, and selected topics in modern physics. Prerequisite: PHYS 1203. Corequisite: PHYS 1211.
- 2000 Modern Physics (4 sem. hours).** An introduction to the special theory of relativity and its consequences. Black body radiation and the particle aspects of electromagnetic radiation. Fundamentals of quantum physics, introduction to the Schrödinger equation, and simple applications. Prerequisite: PHYS 1013.
- 2750–2753 Special Topics or Laboratories in Physics (1–4 sem. hours).** This course deals with areas not covered in other physics courses or laboratories. It is intended primarily for sophomores and juniors at an intermediate physics level. Prerequisite: consent of instructor.
- 3100 Classical Mechanics (4 sem. hours).** Dynamics of a single particle, including Newton's laws, momentum, energy, angular momentum, harmonic oscillator, gravitation, and central force motion. The Lagrangian and Hamiltonian formulation will also be emphasized. Prerequisite: PHYS 1013. Corequisite: MATH 3540. Offered in alternate years.
- 3110 Electromagnetism (4 sem. hours).** Fields, conductors, dielectric media, and Laplace's and Poisson's equations. Direct and alternating currents, magnetic induction and forces, electromagnetic energy, and Maxwell's equations with applications. Prerequisite: PHYS 1013. Corequisite: MATH 3540. Offered in alternate years.
- 3120 Thermal Physics (4 sem. hours).** An introduction to equilibrium statistical mechanics with implications for thermodynamics and the kinetic theory of gases. Topics include density of states, entropy and probability, partition functions, and classical and quantum distribution functions. Prerequisite: PHYS 2000. Offered in alternate years.
- 3130 Optics (4 sem. hours).** Geometrical optics: reflection, refraction, ray tracing, and aberrations. Physical optics: wave theory, absorption, dispersion, diffraction, and polarization. Properties of light from lasers, photo detectors, and optical technology. Includes laboratory. Prerequisite: PHYS 1013 or consent of instructor. Offered occasionally.

3140 Quantum Mechanics (4 sem. hours). Postulates of quantum mechanics, operators, eigenfunctions, and eigenvalues. Function spaces, Hermitian operators, and time development of state functions. Schrodinger's equation in one dimension, harmonic oscillator, rectangular potential barrier, and the WKB approximation. Problems in three dimensions, angular momentum, hydrogen atom, and theory of radiation. Matrix mechanics and spin. Prerequisite: PHYS 2000, MATH 3540. Offered in alternate years.

3210 Advanced Physics Laboratory (4 sem. hours). Experiments of classical and contemporary importance selected from various fields of physics. Experiments often deal with topics that have not been treated in other courses. Some areas of experimentation include interferometry, microwaves, and nuclear physics. Prerequisite: PHYS 2000 or consent of instructor.

3300 Electronics for Scientists (4 sem. hours). The emphasis of this course is on analog electronics, including DC and AC circuit analysis, diode circuits, semiconductor devices, amplifier circuits, operational amplifiers, and oscillators. Includes laboratory. Prerequisite: PHYS 1013 or consent of instructor. Offered in alternate years.

3700–3703 Undergraduate Research (1–4 sem. hours). The student may continue to study topics of interest through readings and research. Prerequisite: consent of instructor.

3760–3763 Advanced Special Topics or Laboratories in Physics (1–4 sem. hours). Deals with areas not covered in other physics courses or laboratories. Aimed primarily at juniors and seniors at the intermediate or advanced level. Prerequisite: consent of instructor.

3800–3803 Directed Study (1–4 sem. hours). The student may begin to study topics of interest through readings and research. Prerequisite: consent of instructor.

3850–3853 Internship (1–4 sem. hours). Practical experience and training with selected research, educational, governmental, and business institutions. Prerequisite: consent of instructor.

4902 Similarities in Physics (2 sem. hours). Analysis of the similarities that occur in many diverse fields of physics by oral and written presentations. Also includes presenting information processed from physical literature. Prerequisite: consent of instructor.

4912 Senior Seminar (2 sem. hours). A continuation of the theme in Similarities in Physics. Emphasis is placed on a unified approach to problem solving. Prerequisite: consent of instructor.

Political Science

Associate Professor:

Iren Omo-Bare, Ph.D., Chair

Assistant Professors:

Michael Reinhard, Ph.D.

Ashleigh S. Powers, M.A.

Requirements for major: Students may complete a major in political science with a minimum of 10 courses from departmental offerings or courses of study approved by the department. These courses must include the following: Introduction to American Government (PLSC 1000), Comparative Government (PLSC 1300), Political Theory (PLSC 2500), International Relations (PLSC 2400), Research Methods in Political Science (PLSC 2550), Senior Seminar (PLSC 4900), and any other four courses.

Requirements for minor: Students may elect a minor in political science with five courses, including Introduction to American Government (PLSC 1000), Comparative Government (PLSC 1300) or International Relations (PLSC 2400), and any three other courses in the department.

General Information

No grade lower than a C will be accepted in any course to fulfill a major or minor in political science.

Internship, directed readings, and fieldwork courses may be used to fulfill no more than two of the four departmental electives (no more than one from each category).

Political science majors who choose to concentrate on foreign area studies may use courses taken in approved study abroad programs to fulfill up to a maximum of three of the required ten courses.

One Core 6 (Social and Behavioral Science) IDST course may be counted toward the major or the minor in political science with permission of the chair of the department. In general, Introduction to American Government (PLSC 1000) is a prerequisite for all other courses in American politics, namely American Public Policy (PLSC 2010), The U.S. Congress (PLSC 2100), The U.S. Presidency (PLSC 2120), The U.S. Judiciary (PLSC 2130), State and Local Politics (PLSC 2020), Constitutional Law (PLSC 3140), Civil Liberties (PLSC 3150), Political Parties and Interest Groups (PLSC 3200), and Public Administration (PLSC 3250). Comparative Government (PLSC 1300) is a prerequisite for all other courses in comparative politics and international relations, namely Western European Government and Politics (PLSC 3300), African Government and Politics (PLSC 3310), The Politics of Race and Ethnicity: A Comparative Perspective (PLSC 3350), U.S. Foreign Policy (PLSC 3400), International Organizations/Model United Nations (PLSC 3410), Developing Nations (PLSC 4300), Peace, Conflict Resolution, and International Security (PLSC 4400), and Political Sociology (PLSC 4500). Exceptions by permission of the instructor. Majors planning to pursue graduate studies in political science or related disciplines are encouraged to take Principles of Economics (ECON 2000).

Majors are strongly urged to fulfill the college mathematics requirement by taking Elementary Statistics (MATH 1150), not College Algebra (MATH 1100).

Courses

- 1000 Introduction to American Government (4 sem. hours).** A systems analysis of the American political environment and decision-making agencies, including study of federalism, state and local government, political parties, Congress, the presidency, and the judiciary.
- 1300 Comparative Government (4 sem. hours).** General comparative theory applied to developed and developing nations.
- 2010 American Public Policy (4 sem. hours).** Analysis of civil liberties, civil rights, and fiscal, regulatory, social, defense, and foreign policies. Prerequisite: PLSC 1000.
- 2020 State and Local Politics (4 sem. hours).** This course is a survey of the processes of government and politics within and across the states. This is not a course on Mississippi politics, though special consideration will be given to historical examples and current events in our state. The primary focus of the course is a comparative examination of the institutions and politics of state government. Significant time is also devoted to studying the structures and practices of local government. Students gain a special appreciation for the complex relationships between state, local, and national levels of governance. Prerequisite: PLSC 1000.
- 2030 Women and Politics (4 sem. hours).** This course considers the challenges that women face as they participate in the public political world. The current level of political power of women as both citizens and elites is examined. The historical and psychological origins of this power dynamic are also explored. Though special consideration will be given to the U.S. political context, time will also be spent discussing women and politics around the world.
- 2100 The U. S. Congress (4 sem. hours).** This course examines the roles and functions of Congress in American governance. Recruitment is analyzed, as are formal and informal structures and processes, interbranch relations, and legislative reform. Prerequisite: PLSC 1000. Offered in alternate years.
- 2120 The U.S. Presidency (4 sem. hours).** This course analyzes the institutional nature, roles, and functions of the American presidency. Questions of selection, the nature of leadership and executive power, formal and informal duties of office, evolution of the presidency, and performance evaluation are also explored. Prerequisite: PLSC 1000. Offered in alternate years.
- 2130 The U.S. Judiciary (4 sem. hours).** The nature and functioning of the judicial branch of American government is examined. This course analyzes judicial recruitment and selection, decision making, court organization, and management in courts from the U.S. Supreme Court to the municipal magistrate. Prerequisite: PLSC 1000. Offered occasionally.
- 2150 Urban/Metro Politics (4 sem. hours).** The nature of urban, suburban, and metropolitan governance is examined. Questions of urban policy, the future of cities, and quality of urban/metropolitan management are explored. Policy questions such as community and economic development, housing, growth management and planning, etc. are analyzed. Offered in alternate years.

- 2200 Economic Policy Issues (4 sem. hours).** The course investigates various aspects of the public policy regarding economic issues. Both macro and micro policy issues may be considered. This course is the same as ECON 2200. Prerequisites: ECON 2000 and sophomore standing.
- 2400 International Relations (4 sem. hours).** Consideration of issues, strategies, and theories of international politics, including the concepts of national interest, national defense, imperialism, balance of power, economics, and international cooperation and law.
- 2500 Political Theory (4 sem. hours).** An inquiry into the basic principles of social and political organization, with special emphasis on concepts of government, justice, punishment, family, property, work, and peace. This course is the same as PHIL 2010. Offered in alternate years.
- 2550 Research Methods in Political Science (4 sem. hours).** Examination of the fundamental issues involved in conceiving and executing a research project in the social sciences. Covers the fundamental logic of causal explanation in the social sciences with an emphasis on quantitative methods. Also includes a brief introduction to game theory and case study methods. Prerequisite: MATH 1150 (may be taken concurrently.)
- 2750-2752 Special Topics in Political Science (1, 2, and 4 sem. hours).** Areas of interest not covered in regular courses; unusual opportunities to study subjects of special interest.
- 3140 Constitutional Law (4 sem. hours).** An analysis, including historical background and philosophical evolution, of Supreme Court interpretations of constitutional provisions relating to the structure of the federal government and relationships between the different branches and with the states. Prerequisite: PLSC 1000 and junior standing.
- 3150 Civil Liberties (4 sem. hours).** This course examines individual constitutional rights of expression, religion, “fundamental rights” (such as privacy and travel), and equal protection as developed by the U.S. Supreme Court. Constitutional rights of the accused in the U.S. judicial system as developed through Supreme Court cases are studied, as well as the role of the Supreme Court in American government.
- 3200 Political Parties and Interest Groups (4 sem. hours).** Examination of history and current structure and functions of American political parties and interest groups in American politics. Prerequisite: PLSC 1000. Offered occasionally.
- 3210 Mass Media and Political Communication (4 sem. hours).** This course examines the legal environment, history, and content of the press in America. The course covers several aspects of media law including patterns of media ownership and antitrust policy, prior restraint, libel, privacy, and hate speech. Media coverage of various topics such as U.S. elections, crime, foreign affairs, crises, and state and local issues are analyzed.
- 3220 Political Behavior (4 sem. hours).** This course examines political behavior in the American context. It is offered in election years (even years in the fall term) and devotes significant time to considering voting behavior in the current election cycle. Other topics covered in the course include political socialization, political activism and volunteerism, protest behavior, discursive politics, and other forms of political participation. Prerequisite: PLSC 1000.

- 3230 The Psychology of Public Opinion Research (4 sem. hours).** This course examines the measurement and influence of public opinion data in the U.S. context. Students will learn appropriate methods for population sampling, survey construction, and basic analysis of survey data. The course focuses especially on what can be learned from psychology about how to gather and interpret information accurately using survey designs. The course is designed with students of political science and psychology in mind, but it might also be of interest to students of sociology and other social sciences that use survey research. Prerequisite: PLSC 1000 or PSYC 1000.
- 3240 The Psychology of Political Decision Making (4 sem. hours).** This course applies concepts from psychology, economics, and political science to investigate how citizens and political leaders make decisions. Topics to be covered include introductory game theory, group decision making, and behavioral theory. Examples for the course are drawn from both foreign and domestic politics. Prerequisite: PLSC 1000 and PSYC 1000, or permission of the instructor.
- 3250 Public Administration (4 sem. hours).** Theory and application of planning, organizing, staffing, directing, coordinating, reporting, and budgeting in public agencies. Prerequisite: PLSC 1000. Offered occasionally.
- 3260 Political Psychology (4 sem. hours).** This course applies concepts from social and cognitive psychology to the study of mass and elite political behavior. Topics to be covered include the development of political attitudes, ideologies, and values; political persuasion, rhetoric, and communications; emotion and politics; mass and elite decision-making; political information processing; and the psychology of prejudice. Examples for the course are drawn from both foreign and domestic politics. Prerequisite: PLSC 1000 and either PSYC 1000 or permission of the instructor.
- 3300 Western European Government and Politics (4 sem. hours).** Examination of politics and government in Western Europe by means of country studies and comparisons. Sections of the course will be devoted to the general topic of European integration and related concepts such as regionalism, functionalism, and integration theory. Prerequisite: PLSC 1300. Offered in alternate years.
- 3310 African Government and Politics (4 sem. hours).** Examination of politics and government in Africa by means of country studies and comparisons. Sections of the course will be devoted to the examination of issues of development and underdevelopment. Prerequisite: PLSC 1300. Offered in alternate years.
- 3350 The Politics of Race and Ethnicity: A Comparative Perspective (4 sem. hours).** Examination of issues of race and ethnicity in selected countries. Sections of the course are devoted to the comparative study of the causes and consequences of ethnic and racial strife, as well as the examination of race- and ethnic-specific policies in selected countries. Prerequisite: PLSC 1300. Offered occasionally.
- 3400 U.S. Foreign Policy (4 sem. hours).** Diplomatic, military, and economic aspects of foreign policy considered within the context of current issues. Prerequisite: PLSC 1300. Offered in alternate years.

- 3410–3412 International Organizations/Model United Nations (2 or 4 sem. hours).** Examination of recent trends in the globalization and regionalization of political, social, and economic issues. A substantial part of the course will focus on the United Nations system. Through research and role-play (including participation in model UN situations), the course will examine several different areas of the UN's work.
- 3800–3802 Directed Readings in Political Science (1, 2, or 4 sem. hours).** Directed readings in political science. (No more than one directed reading course may be included in the list of courses for the major.)
- 3850–3852 Political Science Internship (1, 2, or 4 sem. hours).**
- 4300 Developing Nations (4 sem. hours).** Comparative theory applied to developing nations. Prerequisite: PLSC 1300. Offered in alternate years.
- 4400 Peace, Conflict Resolution, and International Security (4 sem. hours).** This course will focus on issues of peace and international security. The course will seek to stimulate a wider awareness and appreciation of the search for peaceful resolution to strife in all its forms. Prerequisite: PLSC 1300. Offered in alternate years.
- 4500 Political Sociology (4 sem. hours).** This course will employ the political-economy perspective to examine the various political ideologies and the diverse economic systems in the contemporary world. The course will also include an overview of theories of development and underdevelopment and a discussion of social change within both specific societies and the world system. Prerequisite: PLSC 1300. Offered occasionally.
- 4750–4752 Special Topics in Political Science (1, 2, or 4 sem. hours).** Areas of interest not covered in regular courses; unusual opportunities to study subjects of special interest.
- 4900 Senior Seminar (4 sem. hours).** Survey of historical development of the discipline, examination of contemporary issues in major subfields of the discipline, and examination of some examples of current uses of political science knowledge.
- 4910 Senior Seminar in Public Management (4 sem. hours).** This is the capstone course for the interdisciplinary major in Public Management. Students in the course apply the skills they have developed in the Public Management major to help solve existing community problems. Through individual internships or service-learning group project, students will work with public and private community leaders to identify and address a policy challenge. In addition to the internship or service learning fieldwork, the course will meet weekly so that students can discuss their experiences with each other and a supervising faculty member.

Psychology

Associate Professor:

A. Kurt Thaw, Ph.D., Chair

Assistant Professors:

Melissa K. Kelly, Ph.D.

Melissa A. Lea, Ph.D.

Requirements for major: Students may complete a major in psychology with 10 courses, including Introduction to Psychology (PSYC 1000), Experimental Psychology I (PSYC 2100) and II (PSYC 2110), Cognitive Psychology (PSYC 3100), History and Systems (PSYC 4900), and five electives. One elective must be taken from each of three areas: clinical/applied physiological/learning, and cognitive/developmental. The fourth and fifth elective may be selected from any area. Only grades of C- or higher will be accepted in all courses required for a psychology major or minor.

Clinical/Applied

- Abnormal Psychology (PYSC 3130)
- Love and Sexuality (PSYC 1100/IDST 1640)
- The Sinister Side of the 20th Century: A Social Processes Analysis of War, Terrorism, and Genocide (PSYC 1200/IDST 1620)
- Clinical Psychology: Theory and Method (PSYC 3160)
- Social Psychology (PSYC 3170)
- Industrial/Organizational Psychology (PSYC 3040)
- Forensic Psychology (PSYC 3030)
- Psychological Tests and Measurements (PSYC 3190)

Physiological/Learning

- Behavioral Neuroscience (PSYC 3180)
- Learning (PSYC 3120)
- Drugs and Behavior (PSYC 3090)
- Animal Behavior (PSYC 3080)
- Perception (PSYC 3110)

Cognitive/Developmental

- Developmental Psychology (PSYC 3150)
- Adulthood and Aging (PSYC 3070)
- Psychology of Language (PSYC 3060)
- Decision Making (PSYC 3050)
- Psychology of Women (PSYC 3020)
- Theories of Personality (PSYC 3140)
- Developmental Disabilities (Special Topics course)

Requirements for minor: Students may elect a minor in psychology with five courses in the department including Introduction to Psychology (PSYC 1000), but excluding undergraduate research, directed reading, and internships.

Courses

1000 Introduction to Psychology (4 sem. hours). This course emphasizes psychology as a scientific discipline and in particular as a behavioral science with subfields ranging from biological psychology to therapies to human development to intelligence and more. Psychology, like all disciplines, is both the study of certain phenomena and a particular way of thinking about the world. This class provides a broad overview of the discipline including vocabulary and theories, basic methods, and critical examination of the research that has been done, the research that should be done and the uses of research results. Thinking critically and creatively about problems is a hallmark of good psychological study and experimentation. Emphasis will be placed on analyzing and critiquing the research on which current knowledge is based and on critically examining the presentation of psychological and other scientific findings in non-academic contexts.

1021 Live Well (1 sem. hours). Examines various aspects of wellness by employing the Wellness Wheel concept to study physical intellectual, emotional, social, career, and spiritual wellness. Opportunities will be given to reflect on and develop personal wellness plans through reading, journaling, and experiential assignments. This one-credit-hour course is offered for credit or not credit only.

1100/IDST 1640 Love and Sexuality (4 sem. hours). An examination of the biological, psychological, and social components of human sexuality. The course will explore the issues of love, intimacy, normal and abnormal sexual function, marriage, and alternative sexual lifestyles. Offered in alternate years.

1200/IDST 1620 The Sinister Side of the 20th Century: A Social Processes Analysis of War, Terrorism, and Genocide (4 sem. hours). The violent events of the 20th century are presented not as insane aberrations in the record of human behavior but as the result of understandable psychological and social processes. Through the study of these events, we explore the analytical methods and theoretical orientations of three social science disciplines: anthropology, psychology, and sociology. Offered occasionally.

2100–2110 Experimental Psychology I and II (4 sem. hours each). A two-semester sequence examining the empirical base of psychology, including introduction to philosophy of science; research design, analysis, and interpretation; and statistics, both descriptive and inferential. Development of skills in technical writing, reviewing professional literature, and use of computer software will also be included. Required laboratory. Prerequisite: PYSC 1000. Successful completion of PSYC 2100 is a prerequisite for PSYC 2110.

3020 Psychology of Women (4 sem. hours). A survey of the empirical evidence on gender differences and issues specific to women. Gender differences are examined from biological, developmental, social, and cognitive perspectives. Issues specific to women, such as discrimination and stereotyping, are also examined. Prerequisite: PYSC 1000. Offered in alternate years.

3030 Forensic Psychology (4 sem. hours). Examines the application of psychological theory, method, and research to issues in the legal system. Topics covered include eyewitness testimony, jury selection, determination of dangerousness, assessment of competence, and treatment of offender populations. Prerequisite: PYSC 1000. Recommended: PYSC 3170. Offered in alternate years.

- 3040 Industrial/Organizational Psychology (4 sem. hours).** Examines the applications of psychological theory, method, and research to issues in business, industry, and organizational settings. Topics addressed include: performance appraisal, personnel section and management, work motivation, organizational communication, leadership, group dynamics, and ergonomics. Prerequisite: PYSC 1000. Recommended: PYSC 3170. Offered in alternate years.
- 3050 Decision Making (4 sem. hours).** This course emphasizes the psychological processes utilized in making decisions. Topics covered include judgment, estimation, prediction and diagnosis, choice under certainty, heuristics and biases, risky decision making, and problem solving, as well as methods that have been developed to improve these processes. Prerequisite: PYSC 1000. Offered in alternate years.
- 3060 Psychology of Language (4 sem. hours).** Examines the perception, comprehension, and production of language. Topics covered include psychological and linguistic aspects of phonology, syntax, and semantics; the biological bases of language; reading; bilingualism; language acquisition; and disorders. Prerequisite: PYSC 1000. Recommended: PYSC 3100. Offered in alternate years.
- 3070 Adulthood and Aging (4 sem. hours).** This course describes the physical, sensory, cognitive, personality, and social changes that occur in normal aging. Examines the dominant theories of developmental psychology from young adulthood through old age. Prerequisite: PYSC 1000. Offered in alternate years.
- 3090 Drugs and Behavior (4 sem. hours).** Study of the behavioral effects of the most common legal and illegal drugs. The various actions of each drug on the central nervous system are emphasized, with a concentration on how these actions lead to behavioral changes. Prerequisite: PYSC 1000. Recommended: PYSC 3180. Offered in alternate years.
- 3100 Cognitive Psychology (4 sem. hours).** Cognitive processes underlying memory, problem solving, and consciousness. Systematic exploration of processes, mechanisms, and putative structures involved in encoding, storage, retrieval, and use of information. Prerequisite: PYSC 1000.
- 3110 Perception (4 sem. hours).** Mechanisms underlying immediate experience produced by stimuli, and the organization of these sensations into meaningful, interpretable experience. Prerequisite: PYSC 1000. Offered in alternate years.
- 3120 Learning (4 sem. hours).** Adaptive behavior, with an emphasis on processes, principles, and theories related to behavioral change. Areas of reflexive adjustment, respondent conditioning, and operant conditioning, as well as their interactions, are examined. Laboratory component. Prerequisite: PYSC 1000. Offered in alternate years.
- 3130 Abnormal Psychology (4 sem. hours).** Presents a psychological understanding and view of abnormal behavior. The presently prevailing system for the clinical classification of abnormal behavior is highlighted. Prerequisite: PYSC 1000.
- 3140 Theories of Personality (4 sem. hours).** Consideration of the whole spectrum of personality theories, including Freudian, humanistic, existential, and behaviorist models. Prerequisite: PYSC 1000. Offered in alternate years.

- 3150 Developmental Psychology (4 sem. hours).** Examines the general sequence of psychological development in the individual through adolescence and the dominant theories of developmental psychology. Special attention is devoted to the domains of physical, cognitive, linguistic, and social development. Prerequisite: PYSC 1000.
- 3160 Clinical Psychology: Theory and Method (4 sem. hours).** Addresses the history, theory, and methods of clinical psychology. Major psychotherapeutic theories are considered. Prerequisites: PYSC 2100 and 3130. Offered in alternate years.
- 3170 Social Psychology (4 sem. hours).** Integrates current social psychological theory regarding communication, group dynamics, aggression, and human relations, with its application in real-world settings. Laboratory component. This course is the same as SOAN 3710. Prerequisite: PYSC 1000.
- 3180 Behavioral Neuroscience (4 sem. hours).** Neurophysiologic and neuroanatomic correlates and substrates of behavior, emotion, and cognition. Prerequisite: PYSC 1000. Offered in alternate years.
- 3190 Psychological Tests and Measurements (4 sem. hours).** Examines the history, methods, problems, and social concerns associated with measuring and assessing human behavior and abilities. Common tests of ability and psychopathology are considered. The laboratory includes administration and scoring of the WAIS. Prerequisite: PYSC 2110. Offered in alternate years.
- 4700–4703 Undergraduate Research (1–4 sem. hours).** Direct involvement of student in empirical research. Prerequisite: PYSC 1000.
- 4750 Special Topics (4 sem. hours).** Specialty courses from a wide variety of topics in psychology. Prerequisite: PYSC 1000.
- 4800 Directed Study (1–4 sem. hours).** Independent pursuit of content area selected by student. Prerequisite: PYSC 1000.
- 4850–4853 Internship (1–4 sem. hours).** Practical experience/training in professional settings. Prerequisite: PYSC 1000.
- 4900 History and Systems (4 sem. hours).** The capstone course for senior majors, requiring written position papers and class discussion related to enduring themes in the history of psychology and contemporary controversies and issues within the discipline. Prerequisite: PYSC 2110 and approval of department chair.

Sociology/Anthropology

Chisholm Foundation Chair of Arts and Sciences

Professor:

George J. Bey III, Ph.D., Associate Dean of International Education

Associate Professors:

Michael L. Galaty, Ph.D.

Ming Tsui, Ph.D., Chair

Assistant Professor:

Julian M. Murchison, M.A., Ph.D.

Millsaps Scholar of Maya Studies:

Tomás Gallereta

Requirements for major: Students may complete a major in sociology/anthropology with a concentration in either anthropology or sociology. To graduate, students must earn a C or higher in each of the courses required for the major, and a minimum GPA of 2.00 in all required and elective courses is required for the major. Ten courses are required for the major with either concentration, including the following:

Anthropology concentration: Introduction to Anthropology (SOAN 1100); Introduction to Archaeology and World Prehistory (SOAN 1110); Methods and Statistics (SOAN 2100); Non-Western Societies (SOAN 3120) or Archaeology of Selected Culture Areas (SOAN 3110); Social and Cultural Theory (SOAN 4200); Directed Research (SOAN 4700-4703), Undergraduate Research Seminar (SOAN 4770), Internship (SOAN 4850-4852), Honors (SOAN HI), or departmental field schools/international programs; Senior Seminar in Anthropology (SOAN 4900), and three electives from the departmental offerings.

Sociology concentration: Introduction to Sociology (SOAN 1000); Methods and Statistics (SOAN 2100); Class, Gender, Race: Social Stratification (SOAN 3220); Social and Cultural Theory (SOAN 4200); Directed Research (SOAN 4700-4703), Undergraduate Research Seminar (SOAN 4770), Internship (SOAN 4850-4852), Honors (SOAN HI/HII), or departmental international programs; Senior Seminar in Sociology (SOAN 4910); and four electives from the departmental offerings.

Students may complete both concentrations with 13 courses that must include: Introduction to Anthropology (SOAN 1100); Introduction to Archaeology and World Prehistory (SOAN 1110); Introduction to Sociology (SOAN 1000); Methods and Statistics (SOAN 2100); Non-Western Societies (SOAN 3120) or Archaeology of Selected Culture Areas (SOAN 3110); Class, Gender, Race: Social Stratification (SOAN 3220); Social and Cultural Theory (SOAN 4200); Directed Research (SOAN 4700-4703), Undergraduate Research Seminar (SOAN 4770), Internship (SOAN 4850-4852), or Honors (SOAN HI/HII); both sections of Senior Seminar (SOAN 4900/4910); and three electives from the departmental offerings.

Requirement for transfer students: Transfer students may complete a major in sociology/anthropology by taking the required courses in sociology/anthropology at Millsaps. However, at the discretion of the department chair, Introduction to Sociology (SOAN 1000), Introduction to Anthropology (SOAN 1100), and Introduction to Archaeology (SOAN 1110) taken at

another institution of higher learning can substitute for one of the introductory courses at Millsaps.

Religious Studies–Sociology/Anthropology Major

Requirements for major: Students may complete a major in religious studies–sociology/anthropology with Religion, Society, and Culture (SOAN 3200/RLST 3170), five additional courses in religious studies, and five additional courses in sociology/anthropology. The religious studies courses must include Introduction to Religious Studies (RLST 2000), two courses representing the areas of TRADITIONS and COMPARISONS (see designations under religious studies course descriptions for how courses ordinarily count), and the Religious Studies Seminar (RLST 3900 or RLST 4900); the sociology/anthropology courses must include an introductory level class; Introduction to Sociology (SOAN 1000), Introduction to Anthropology (SOAN 1100) or Introduction to Archaeology and World Prehistory (SOAN 1110), Social/Cultural Theory (SOAN 4200), Senior Seminar in either Sociology or Anthropology (SOAN 4900 or 4910), and two elective courses in sociology/anthropology above the introductory level. Students pursuing this major will be given a specially adapted comprehensive examination by a committee of faculty from the two departments. Neither Heritage nor core topics courses count toward the combined major.

Requirements for minor: Students may complete a minor in either anthropology or sociology by taking four courses, two of which must be taken at Millsaps, including:

Anthropology: Introduction to Anthropology (SOAN 1110) or Introduction to Archaeology and World Prehistory (1100, which is cross-listed with BIOL 1700); one of the following 2000 level courses: SOAN 2100, SOAN 2130, SOAN 2400, SOAN 2410, or SOAN 2500; one of the following 3000 level courses: SOAN 3110, SOAN 3120, SOAN 3200, SOAN 3310, SOAN 3400, SOAN 3410, and one elective from the anthropology concentration.

Sociology: Introduction to Sociology; (SOAN 1000) one of the following 2000 level courses: SOAN 2010, SOAN 2100, SOAN 2130, SOAN 2200, SOAN 2250, or SOAN 2500; one of the following 3000 level courses: SOAN 3006, SOAN 3200, SOAN 3210, SOAN 3220, SOAN 3300, SOAN 3310, or SOAN 3710; and one elective from the sociology concentration.

Courses

1000 Introduction to Sociology (4 sem. hours). An introductory survey of social structure and human interaction. The course offers an overview of all major sociological concepts, theories, and research methods; explores issues such as socialization, inequality, social order, and social change; and examines the roles the family, religion, mass media, and education play in our lives.

1100 Introduction to Anthropology (4 sem. hours). An introduction to the basic concepts and approaches of the study of cultural and social patterns of human societies around the world.

1110 Introduction to Archaeology and World Prehistory (4 sem. hours). An introductory archaeological survey of the world's prehistoric cultures, including those in both the old and new world.

1710 Human Origins (4 sem. hours). The various lines of evidence about human ancestry will be examined, including population genetics, paleontology, DNA and protein sequencing, “Mitochondrial Eve,” chromosome structure, behavior, and linguistics. Current literature will be reviewed. This course includes a laboratory. Fulfills Core 7 or 9.

2100 Methods and Statistics (4 sem. hours). A critical introduction to issues in research design. Types of data analysis and collection covered include fieldwork, interviewing, coding qualitative data, survey design/execution/analysis, and statistical analysis of numeric/coded data. Attention is also given to what inferences can legitimately be made from data.

2130 Marriage and Family (4 sem. hours). The anthropological and sociological study of human families from a cross-cultural perspective. Examines the origin of the human family and the nature of family life in a number of non-Western societies and in the United States.

2210 Archaeological Method and Theory (4 sem. hours). An introduction to the practice of archaeology. Provides a basic understanding of the ways in which archaeologists study and seek to understand past human behaviors.

2400 Women and Men in Prehistory (4 sem. hours). An examination of cultural evolution from the appearance of Homo sapiens until the rise of the first urban civilizations, with an emphasis on exploring the contributions made both by women and men to the process of human development, as well as on the nature of gender in the prehistoric past.

2410 Human Ecology (4 sem. hours). The anthropology of human ecosystems examines the relationship between culture and environment. The course includes research and theory on how preindustrial societies adapt to their environments and on the ecological problems created by industrial societies. Prerequisite: SOAN 1000, SOAN 1100, or SOAN 1110, or permission of the instructor. Offered occasionally.

2500 Sociolinguistics (4 sem. hours). A comprehensive study of language, society, and the social context of linguistic diversity. It brings together the perspectives of linguistics, anthropology, and sociology to examine multilingualism, social dialects, conversational interaction, language attitudes, and language change. Prerequisite: SOAN 1000, SOAN 1100, or SOAN 1110, or permission of instructor. Offered occasionally.

2850 Special Topics in Anthropology (4 sem. hours).

3000 An Ethnographic Vista on Tanzanian Life and Culture (4 sem. hours). This course will offer the students the opportunity to gain a deep and rich firsthand understanding of life, history, economics, and culture in East Africa. This course will begin on the Millsaps College campus with a three-day introduction to Tanzanian history and culture as well as the Swahili language. However, the main component of the course will comprise a four-week study trip to Tanzania that will allow students to engage the contemporary realities of Tanzanian culture and economics. These experiences will be accentuated by various trips and ethnographic activities designed to further students' understanding of the rich and complex history of East Africa.

- 3006 Summer in China (6 sem. hours).** This course offers a brief yet comprehensive survey of Chinese culture and society through readings and site visits. The class is a four-week summer program (one week in Jackson and three weeks in China) that introduces students to both traditional and contemporary Chinese culture and society.
- 3110 Archaeology of Selected Culture Areas (4 sem. hours).** Explores the archaeological record of a selected prehistoric culture area. Emphasis is on reconstructing ancient lifeways and understanding the processes that create the archaeological record.
- 3120 Non-Western Societies (4 sem. hours).** The course examines both the culture of selected non-Western societies and the range of methodological and theoretical approaches used to understand them.
- 3200 Religion, Society, and Culture (4 sem. hours).** An anthropological and sociological investigation through primary texts and field experiences of the relationships among religious institutions and society and culture.
- 3210 Urban Life (4 sem. hours).** A critical anthropological and sociological examination of the theoretical and empirical literature on the social structure and culture of urban life: the development of cities, the life processes within cities, the relations between cities, and other social and cultural factors making cities more livable. Offered occasionally.
- 3220 Class, Gender, Race: Social Stratification (4 sem. hours).** A sociological examination of the theoretical and empirical literature on the impact of social class, gender, and race on the life course and life chances of people in selected societies. Prerequisite: SOAN 1000, SOAN 1100, or SOAN 1110, junior standing or permission of the instructor.
- 3300 Health and Illness (4 sem. hours).** A sociological investigation of the social and cultural factors and those formal and informal organizations shaping health and illness. Prerequisite: SOAN 1000, SOAN 1100, or SOAN 1110, or permission of the instructor. Offered occasionally.
- 3400 Native North America (4 sem. hours).** This course examines the archaeology and history of the North American Indians, with a special focus on contemporary issues. Various chronological periods and culture areas are explored through the analysis of artifacts, historical documents, and Native American myth, literature, and poetry.
- 3410 Archaeological Field School (4 sem. hours).** This course instructs students in archaeological field methods. Taught at locations off campus, generally for three to five weeks. Students participate in the scientific investigation of an archaeological site through application of various survey and excavation techniques.
- 3710 Social Psychology (4 sem. hours).** Integrates current social and psychological theory regarding communication, group dynamics, aggression, and human relations, with its application to real-world settings. Laboratory component. This course is the same as PSYC 3170. Prerequisite: SOAN 1000, SOAN 1100, or SOAN 1110, or permission of the instructor.
- 3800–3802 Directed Study in Anthropology or Sociology (1, 2, or 4 sem. hours).**

4200 Social and Cultural Theory (4 sem. hours). Critical, comparative, and synthetic examinations of historical and contemporary sociological theory, including functionalism, conflict theory, phenomenology, and symbolic interactionism. Prerequisite: junior standing.

4700–4703 Undergraduate Research (1–4 sem. hours). Research project proposed and conducted independently by a junior or senior, with a report due at end of semester.

4730 Geographic Information Systems and Archaeology (4 sem. hours). A seminar associated with CGMA, a collaborator for GIS (geographic information systems) and Mediterranean archaeology. This course introduces students to the application of GIS to archaeological problems and questions. The class is taught on a rotating basis at one of four ACM/ACS institutions: instruction is conducted over the web. Prerequisite: permission of the instructor.

4750–4753 Special Topics in Anthropology (1 – 4 sem. hours). Areas not normally covered in other courses.

4760 Special Topics in Sociology (4 sem. hours). Areas not normally covered in other courses.

4770 Undergraduate Research Seminar (4 sem. hours). A seminar in sociological and anthropological research for majors, in which students learn advanced research methods and develop and complete a research project in sociology, anthropology, or archaeology. Prerequisite: SOAN 2100: junior or senior standing only.

178 | **4800–4802 Directed Study (1, 2, or 4 sem. hours).** Inquiry by a junior or senior capable of independent work with a minimum of supervision, with a report due at end of semester.

4850–4852 Internship (1, 2, or 4 sem. hours). Practical experience and field-based training for majors working with selected organizations engaged in social research, human services, or community services.

4900 Senior Seminar in Anthropology (4 sem. hours). A seminar in anthropological practice and theory in which students read key texts and reflect on their course of study, as well as their concentration.

4910 Senior Seminar in Sociology (4 sem. hours). A seminar in sociological practice and theory in which students read key texts and reflect on their course of study, as well as their concentration.

Interdisciplinary Programs

African-American Studies

Requirements for the minor: The minor in African-American Studies is comprised of five four hour courses:

- HIST 3170 African-American History is required and any four of the following courses for a total of 20 semester hours. The five courses may be taken in any sequence.
- ENGL 3200 African-American Fiction and Autobiography
- ENGL 2110 Multicultural Literature

- ENGL 3350 Authorial Studies: Toni Morrison
- HIST 2400 African History and Society
- HIST 3140 Civil War & Reconstruction
- HIST 3110 Colonial America
- HIST 4001 Living History: A Journey through the Civil Rights Movement
- IDST 1000 Intro to Thinking and Writing The Problem and Promise of Race
- IDST 2400 Topics: Modern World The Atlantic World
- IDST 2400 Topics: Modern World The African Continent
- IDST 2500 Topics: Contemporary World Modernism and the Harlem Renaissance
- IDST 2500 Topics: Contemporary African-American Religious History
- IDST 2500 Topics: Contemporary World Music
- MUSC 2102 Jazz History (2 hr)
- POLI 3350 Politics of Race and Ethnicity
- PSYC 4750 Psychology of Race
- RLST 2300 African-American Religions
- SOAN 3220 Class, Gender, & Race
- SOAN 4750 African Anthropology
- SOAN 4760 Sociology of Popular Culture: The Blues
- AFAM 3750-3 Internship in African-American Studies (1, 2, 3, or 4 sem. hours)
- AFAM 3700- 3 Directed Readings in African-American Studies (1, 2, 3, or 4 sem. hours)

American Studies

American Studies is an interdisciplinary program focused upon the multifaceted culture and civilization of the United States. The program integrates the study of fields such as history, literature, politics, art, philosophy, and religion in an effort to create a better understanding of the nation we call united.

Requirements for the minor: A student may elect a minor in American studies (along with his or her major) by completing the following requirements with a minimum grade of C: HIST 2100 History of the U.S. to 1877 and HIST 2200 History of the U.S. from 1877. Any English course in American literature. Different ones are offered each semester. Two electives approved for American studies credit (8 sem. hours). Any two courses in any participating department(s), including IDST courses. A list of approved courses is sent out through e-mail each semester.

Christian Education

The minor in Christian education helps prepare students to plan, organize, lead, and teach in religious education programs. For further information, contact the chair of the Religious Studies Department or the College chaplain.

Requirements for minor:

- RLST 2000 Introduction to Religious Studies
- RLST 2210 Hebrew Scriptures or RLST 2220 New Testament and Early Christianity
- RLST 3110 History of Christian Thought or
- RLST 3120 Modern and Contemporary Theology
- RLST 4850–4852 Religious Studies Internship
- IDST 1610 The Human Experience: A Cross-Cultural Perspective
- EDUC 3200/3210 Classroom Methods and Management

Environmental Studies

The minor in Environmental Studies is an interdisciplinary program that may be pursued by students majoring in any discipline. The required course work provides students the opportunity to consider the relationship between people and the environment from social, cultural, economic, political, ethical, and scientific perspectives.

Requirements for area of minor: Seven courses are required: GEOL 1100 Environmental Issues; one of the field courses listed below or an internship course or research course approved by the director of the minor; two of the humanities and social sciences courses listed below; two of the natural sciences courses listed below; ENVS 4911 Environmental Studies Seminar

Field Courses:

- SOAN 3410 Field Archaeology
- GEOL 3400 Special Problems in Geology: Yellowstone Field Study
- STDA 2020 Living in Yucatán I
- STDA 2030 Living in Yucatán II
- GEOL 4906 Field Geology
- GEOL 3210 Field Biology

Humanities and Social Sciences:

- IDST 2500 Topics: Modern World Globalization and Technology
- PHIL 3750 Special Topics: Environmental Ethics
- RLST 3150 Religion, Science, and Nature
- RLST 3750 Special Topics: Religion and the Environment
- HIST 3710 Environment, Technology, and Power
- HIST 4750 Modern Environmental History
- PLSC 1000 American Government
- PLSC 2010 American Public Policy
- ECON 2000 Principles of Economics
- SOAN 1100 Introduction to Anthropology
- SOAN 1110 Introduction to Archaeology

4911 Environmental Studies Seminar (1 sem. hour). An interdisciplinary colloquium in which students share the results of the environmental research, internship, or field course work they have undertaken as a requirement of the environmental studies minor. Ordinarily taken in the senior year. Prerequisite or corequisite: field course, research course, or internship course approved by the director of the minor. Taken by permission of the instructor.

European Studies

The B.A. program in European Studies is designed for those students who are keenly interested in European affairs. The major or minor in European Studies cuts across traditional departmental and divisional boundaries and allows the student to work with faculty to design a program of study that integrates those aspects of European affairs that best meet the student's interests. European art, business, history, environment, languages, literatures, music, philosophy, and political science are among the areas of study available to students in European Studies.

The European Studies program features study abroad at its center. International study typically takes place between the completion of a student's first and third year of study at Millsaps

College. A student may arrange to study abroad for a semester, year, or summer. The timing of study is determined, in part, by a student's academic program and progress toward completion of degree requirements. Students should contact the Office of International Education as much as a year in advance of their intended term of departure, for assistance in planning and program selection. Programs are located in every corner of Europe, and cover virtually all interest areas. The OIE provides information on programs sponsored by Millsaps, in addition to those sponsored by other institutions or providers.

Some form of financial aid may be available for European Studies programs. Students interested in financial aid for any of these programs should contact the Office of International Education and the financial aid office for more information.

Requirements for major:

Students complete a major in European studies with a total of 40 semester hours, including the following five components:

- 1. Introductory course (4 sem. hours).** European Studies 1000: The Idea of Europe. An interdisciplinary, collaborative course taught by faculty from across the divisions.
- 2. Language component.** Students are required to study one European language. In addition to satisfying the B.A. requirement in that language, the European studies major must complete at least 12 semester hours beyond the B.A. requirement in that language. For those students focusing on an English-speaking country in Europe, only the B.A. language requirement must be met. Students focusing on English-speaking countries must take 12 hours in English related topics. The language requirement can be met at Millsaps or as study abroad. These courses do not count as electives; rather, they meet the language component requirement of the European Studies major/minor.
- 3. Multidisciplinary component (20 sem. hours).** Students will take 20 semester hours (32 in the case of students focusing on an English-speaking country), beyond those described above, from a list of elective courses provided by the director of the European studies program. No more than 12 semester hours may be in the same department. No more than four semester hours may be from the Core. European Studies majors may include one appropriate Core course among the five electives required for the major. They should consult the director of the program to determine which Core courses are appropriate. Core courses may not be counted among the two electives required for the European Studies minor. No more than eight semester hours of language courses, beyond those that are required for the European studies major, may be counted as elective courses toward the major. Students must take courses from at least two of the College's academic divisions. Note: with the approval of the director of the European Studies Program, appropriate Special Topics courses in the academic departments listed above may also count as electives toward the European Studies major or minor.
- 4. Study abroad (4 sem. hours of those outlined in components 2 and 3).** Students are required to study abroad for a minimum of four semester hours.
- 5. Senior seminar and comprehensive exams (4 sem. hours).** European Studies 4000: European Studies Senior Seminar. A research forum in which students pursue an individual, directed reading and writing project within their areas of concentration. This project will lead to the completion, during the fall semester of the student's senior year, of a senior thesis. Students Colloquium and comprehensive exams (4 sem. hours). Students will take written and oral examinations administered by the European Studies Committee.

Requirements for minor: Students may complete a minor in European studies with a total of 20 semester hours, including the following three components. First, students are required to study one European language. In addition to satisfying the B.A. requirement in that language, the European studies minor must complete at least eight semester hours beyond the B.A. requirement in that language. Second, minors must complete the introductory course for European studies (HIST 2350: European Civilization Since 1789; 4 sem. hours). Third, minors must take eight semester hours, beyond those described above, from a list of elective courses provided by the director of the European studies program. Those two elective courses may not be in the same department, and none of them may be from the Core. Note: with the approval of the director of the European Studies Program, appropriate Special Topics courses in the academic departments listed above may also count as electives toward the European Studies major or minor.

Language component. Students are required to study one European language. In addition to satisfying the B.A. requirement in that language, the European studies major must complete at least eight semester hours beyond the B.A. requirement in that language. For those students focusing on an English-speaking country in Europe, only the B.A. language requirement must be met. Students focusing on English-speaking countries must take 12 hours in English related topics. These courses do not count as electives; rather, they meet the language component requirement of the European Studies major/minor. The language requirement can be met at Millsaps or as study abroad.

4000 European Studies Colloquium (4 sem. hours). An interdisciplinary research forum in which students pursue an individual, directed reading and writing project within their areas of concentration. This project will lead to the completion, during the spring semester of the student's senior year, of an interdisciplinary senior thesis. Some form of financial aid may be available for certain European studies programs. Students interested in financial aid for any of these programs should contact the financial aid office for more information.

Departmental Electives:

- ADMN 4750 Tragedy of the Commons: Anthropology, Development, and World Capitalism
- ADMN 4750 Capitalism, Socialism, Communism: Have We Made the Right Choice?
- ARTS 2500 Survey of Ancient and Medieval Art
- ARTS 2520 Northern Renaissance
- ARTS 2530 Italian Renaissance
- ARTS 2540 Baroque Art
- ARTS 2550 Eighteenth and Nineteenth Century Art
- ARTS 2560 Modern Art
- ARTS 2580 Women Artists
- ARTS 2590 Topics in World Art as appropriate
- ARTS 2750 Poetry, Painting, and Paris (Paris summer 2009).
- CLST 2000 Roman Legacy
- CLST 2050 Greek Legacy
- CLST 3000 Myth
- CLST 3100 Greek Tragedy
- CLST 3200 The Classical Epic
- CLST 3300 Classical Art and Archaeology
- CLST 3400 Women in Antiquity
- CLST 3500 Ancient and Medieval Philosophy
- CLST 3600 Ancient History

- CLST 3700 Greek and Roman Religion
- ECON 3040 International Economics (prerequisite ECON 2000)
- ECON 4750 International Trade Issues
- ENGL 2010 British Literary History I
- ENGL 2020 British Literary History II
- ENGL 2440 Poetry, Painting, and Paris (Paris summer 2009).
- ENGL 3100 Studies in Medieval Literature
- ENGL 3110 Studies in Renaissance Literature
- ENGL 3120 Studies in Restoration and Eighteenth-Century Literature
- ENGL 3130 Studies in Nineteenth-Century British Literature
- ENGL 3200 Special Topics in Literary History as appropriate
- ENGL 3300 Chaucer
- ENGL 3310 Shakespeare and the Play of Genre
- ENGL 3320 Milton
- ENGL 3330 Shakespeare and the Play of Culture
- ENGL 3340 Special Studies in Shakespeare: Shakespeare, and the Play of History
- ENGL 3350 Authorial Studies as appropriate
- HIST 2310 Ancient European History
- HIST 2350 European Civilization Since 1789
- HIST 3300 Topics in European Culture and History
- HIST 3210 Britain and the World 1688 to 1914
- HIST 3220 Britain and the World 1914 to the Present
- HIST 3340 The French Revolution and Napoleon
- HIST 3350 History of Modern France
- HIST 3360 European Women's and Gender History
- HIST 3370 Art and Power in Europe
- HIST 3530 Renaissance and Reformation
- HIST 3540 Early Modern Europe
- HIST 4800 – 4802 Directed Study as appropriate
- IDST 2400 Revolution and Romanticism: The Cult of Genius and the Virtuoso as Hero in Nineteenth-Century Musical Europe
- MGMT 3040 International Management
- MGMT 4010 International Business
- MGMT 4750 International Lessons in Leadership
- MGMT 4750 Business and Culture
- MGMT 4750 Global Issues in Management
- MUSC 2122 The Musical World of the Age of Enlightenment
- MUSC 2132 Women and Music
- MUSC 3112 Romanticism
- MUSC 3142 History of Opera
- PHIL 2750 Special Topics as appropriate
- PHIL 2750 Radical 19th Century Thought
- PHIL 3010 History of Philosophy I: Ancient and Medieval Philosophy
- PHIL 3020 History of Philosophy II: Modern Philosophy
- PHIL 3040 Ancient Philosophy
- PHIL 3060 Twentieth-Century Philosophy: Existentialism
- PHIL 3750 Special Topics as appropriate
- PHIL 4750 Special Topics as appropriate
- PLSC 2400 International Relations
- PLSC 2500 Political Theory
- PLSC 3300 Western European Government and Politics
- PLSC 3410 International Organizations/Model United Nations
- PLSC 3701-02 Directed Readings in Political Science as appropriate

- PLSC 4750-01 Capitalism, Socialism, Communism: Have We Made the Right Choice
- RLST 3000
- RLST 3110 History of Christian Thought
- RLST 3120 Modern and Contemporary Theology
- SOAN 1100 Introduction to Anthropology
- SOAN 1110 Introduction to Archaeology and World Prehistory
- SOAN 3110-Classics 3850 Archaeology of Greece
- SOAN 2850 Anthropology of War
- SOAN 3110 Archaeology of Bronze Age Greece
- SOAN 3410 Archaeological Field School
- SOAN 4750 The Archaeology of Empires and Conquest
- SOAN 4760 GIS and Mediterranean Archaeology
- THEA 3000 History and Literature of the Theater I
- THEA 3010 History and Literature of the Theater II

Modern Languages

European Studies majors must take three courses beyond the B.A. language requirement in a modern European language in which they satisfy that requirement. European Studies minors must take two courses beyond the B.A. language requirement in one of the two modern European languages in which they satisfy that requirement. These courses do not count as electives; rather, they meet the language component requirement of the European Studies major/minor. The following courses will be of particular interest to European Studies majors and minors in satisfying that requirement:

- 2110 Contemporary (French, Hispanic) Culture
- 3220 (French, Hispanic) Civilization
- Any other 3000-level course in French or Spanish
- Any other 4000-level course in French or Spanish

Faith & Work Initiative

The Faith & Work Initiative challenges students to build lives of long-term meaning and service. It includes both curricular and extracurricular programs aimed at helping students to discern their vocation or call in life and to pursue that call with passion, integrity, and an eye to the needs of the world.

Requirements for Lilly Interns program:

- FWRK 2400 The Meaning of Work (cross-listed as RLST 2400 and PHIL 2750)
- FWRK 3850 Lilly Internship I

Requirements for Lilly Fellows program:

- FWRK 2400 The Meaning of Work (cross-listed as RLST 2400 and PHIL 2750)
- FWRK 3850 Lilly Internship I
- FWRK 4850 Lilly Internship II or a sustained service commitment (consult with associate director)
- A four-hour ethics course
- A leadership development project (consult with associate director)

Film Studies

The minor in film studies draws together several dimensions of film studies to give the student an overview of the main cultural and practical issues in film art.

Requirements for minor: Five courses are required, all to be approved by the director of the concentration, including: an introduction to film history and theory, normally ENGL 3540 as History of Film or PHIL 2300; a more specialized study of particular film genres, directors, or issues, such as ENGL 3540 as Film and Fiction; and a course in screenwriting or production, such as ENGL 3760 Special Projects in Writing. Various Millsaps courses may be adapted to meet these requirements.

Latin American Studies Program

The Latin American Studies Program builds upon the college's substantial presence in the region offering a uniquely integrated approach to the study of Latin America's human and ecological diversity, thereby providing a broader perspective than would be possible by taking classes within a single department. Drawing on already developed resources in Yucatan and Costa Rica, as well as those coordinated through the newly constituted International Education Office (such as Institute for Study Abroad programs in Argentina, Chile and Mexico), students from all three divisions of the college have the opportunity to design a multi-disciplinary course of study tailored to their own interests, whether they lie in Mexico or the Caribbean, Central or South America.

Study abroad and field-based learning are central to the mission of the LAS program. Linguistic competency is essential to cultural understanding, therefore all students majoring in Latin American Studies complete a substantial language core. In most cases, this will mean the study of Spanish at the intermediate to advanced level (though a student may petition to substitute French, Portuguese, or one of the region's native languages if appropriate).

***The Millsaps Office of International Education assists students in identifying and selecting programs and course offerings. Some of the better options are listed below, under distribution requirements. Financial aid is now available for study abroad courses, and the Office of International Education will work with students who are interested in applying for loans or identifying outside scholarships.*

Latin American Studies

Requirements for major: Students may complete a major in Latin American Studies by completing a total of 42 semester hours (eleven courses and an internship) beyond the B.A. foreign language requirement. At least four semester hours must be completed abroad.* Coursework will be concentrated as follows:

Introductory component: All students must take Millsaps' Introduction to Latin American Studies Seminar (4 sem.hours). **Language component:** All students will be required to study Spanish, or may petition to substitute another language of the region when appropriate. In addition to satisfying the minimum language requirement for the B.A, the Latin American Studies major must complete Spanish 2110 and at least two additional courses, one of which must be a literature course (12 sem.hours). **Multidisciplinary component:** Students will take five courses (20 sem. hours) from a list of approved electives provided by the director of the Latin American studies program. Twelve semester hours should be concentrated in a specified area of interest, with at least eight semester hours undertaken in two different areas of study. No more than eight semester hours may come from language courses beyond those that are required for the Latin American studies major. Senior Colloquium, LAS 4000

and Comprehensive Exams (4 sem. hours). Students will take written and oral examinations administered by the Latin American Studies Committee. The Latin American Studies Major should also complete an internship oriented toward service in the local Latin American community (2 sem. hours).

Requirements for a minor: Students may complete a minor in Latin American studies with a total of 22 semester hours concentrated in the following areas (study abroad is optional*): Minors must complete the Introductory Seminar in Latin American Studies (4 semester hours). Language component: Spanish language study is required. In addition to satisfying the B.A. language requirement, the Latin American studies minor must complete a minimum of two additional Spanish courses (8 sem. hours). Multidisciplinary component: Minors must take a minimum of two additional courses (8 sem. hours) from a list of elective courses provided by the Latin American Studies program committee. These electives should not be taken in the same department, nor may they be courses offered in the Core curriculum.

- ARTS 2200 or 2300 Drawing the Yucatan (Drawing I and II):
- BIOL 3210 – Tropical Field Biology
- BIOL 3310 – Ornithology Field Biology
- BIOL 3210 – Tropical Field Entomology Course
- MGMT 2000 – Global Business in Latin America
- ADMN 4050 – International Business Law
- ECON 3040 – International Economics
- ENGL 3200: The New World, 1500-1800
- HIST 2600 Colonial Latin America
- HIST 2610 Modern Latin America
- HIST 3610 Latin America on Film
- HIST 3620 Revolutionary
- IDST 1300 “The Invention of America”
- IDST 1300 “1492”
- IDST 2400 “The Atlantic World”
- IDST 2500 “Utopian Visions: Ideas and Popular Movements in the Caribbean”

Latin American Studies

LAST 1000: Introduction to Latin American Studies. This introduction to the region will emphasize its diversity, while devoting segments to history; politics and politicians; wealth and poverty; the media; and Latin America’s relationship with the USA. It will encourage critical analysis of how Latin America is projected in the media and comparative analysis between countries.

LAST 4000: Senior Colloquium in Latin American Studies.

Modern Languages

- 2110 Contemporary Hispanic Culture
- 2152 Learning Spanish Through Service Learning (2 sem. hours)
- 2750-2753 Special Topics (1-4 sem. hours)
- 2751 Spanish across the Curriculum (1 sem. hour)
- 3110 Ways of Thinking, Ways of Writing
- 3200 Survey of Peninsular Literature up to 1700
- 3210 Survey of Spanish-American Literature Through Modernism
- 3230 Spanish-American Civilization

- 3310 Survey of Spanish American Literature from Late Modernism to the Present
- 3750-3753 Special Topics (1-4 sem. hours)
- 3770 Modernism—Post Modernism
- 3780 19th Century Hispanic Literature
- 4750 Special Studies in Spanish

Performing Arts

A course suggested by theatre could include a substantial consideration of theatre in Latin America and the Caribbean.

- RLST 3850 Directed Study in Liberation Theology.
- SOAN 311 0 Maya Archaeology or Mesoamerican Archaeology
- SOAN 3010 Anthropology of Mexico
- STDA 2040: Culture, History and Literature in the Maya World (4 sem. hours).
- STDA 2020 Living in Yucatán I (4 sem. hours).
- STDA 2030 Living in Yucatán II (4 sem. hours).

Costa Rica:

- 2152 Learning Spanish Through Service Learning (2 sem. hours)
- 2750-2753 Special Topics (1-4 sem. hours)
- 3750-3753 Special Topics (1-4 sem. hours)

Peace Studies

Requirements for a minor: Students may complete a minor in Peace Studies with five courses (20 credit hours). PLSC 4400: Peace, Conflict Resolution, and International Security; two from the following: SOAN 2850: Anthropology of War; RLST 2790: Religion, Peace, and Justice; PHIL 2753: Philosophy of Violence, PLSC 3410-3412: International Organizations/ Model United Nations; and the remaining two from one of the above or a variety of approved “peace friendly” courses. Contact Dr. Lola Williamson in the Religious Studies Department.

Public Management

Requirements for major: Students may complete a major in public management with a minimum of ten courses: six required courses and four elective courses, including one in public policy, one in institutions, one in organizational management, and the public management senior seminar. The elective courses are drawn from fields of study as diverse as philosophy, sociology/anthropology, and geology that focus on a particular area of public policy.

General Information

The public management major is offered with the B.A. or B.S. degree. No grade lower than a C will be accepted to fulfill a course requirement in the major.

Internships, directed readings, and fieldwork courses may be used to fulfill no more than two of the four departmental electives (no more than one from each category).

Math Requirements

Policy debates are conducted in the language of mathematics and statistics. People expecting to influence policy will not be able to understand, much less contribute to, most policy debates without substantial comfort with statistical argument. The following courses are either required or highly recommended:

Elementary Statistics (MATH 1150) is required.

Survey of Calculus (MATH 1210) or Calculus I (MATH 1220) is highly recommended.

Internships and Mentoring

All public management majors are required to participate in the mentoring program before graduation. Students spend a semester working with a leader in the field he or she intends to work in after graduation.

Required Courses

- PLSC 1000 Introduction to American Government
- ECON 2000 Principles of Economics
- MGMT 3000 Introduction to Management
- PLSC 3250 Public Administration
- PLSC 2550 Research Methods in Political Science
- PLSC 2010 American Public Policy
- PLSC 4910 Senior Seminar in Public Management

Departmental Electives

Policy Courses

- PLSC 2200 Economic Policy Issues
- PLSC 4330 Developing Nations
- PLSC 4750 -02 Special Topics in Political Science (1, 2, or 4 sem. hours).
- ECON 3040 International Economics
- ECON 3050 Health Economics
- PHIL 2120 Ethics: Theories and Applications
- PHIL 2130 Biomedical Ethics
- GEOL 1100 Environmental Issues of the 21st Century
- SOAN 2010 Human Services
- PLSC 2100 The U. S. Congress
- PLSC 2120 The U.S. Presidency
- PLSC 2130 The U.S. Judiciary
- PLSC 2150 Urban/Metropolitan Politics
- PLSC 3200 Political Parties and Interest Groups
- PLSC 3410–3412 International Organizations/Model United Nations Management
- ADMN 4000 The Legal Environment of Business
- MGMT 3040 Organizational Behavior
- ECON 3070 Industrial Organization

Self-Designed Majors

The self-designed major (SDM) is a customized major designed by a student working closely with appropriate faculty. The curricular, instructional, and administrative framework for the pursuit of an SDM is not, by contrast with that of standard majors, already in place. It must be constructed by a special effort. Although members of the faculty and administration of the College stand ready to help the student at many points along the way, the initiative for this

special effort lies with the student. Consequently, a higher degree of self-motivation may be demanded of a person desiring an SDM than those traveling the more established routes to graduation.

The following requirements apply to all self-designed majors:

1. To qualify for consideration, the student must have at least a 3.00 GPA and must file an SDM petition and application in the spring semester of the sophomore year.
2. The proposed SDM will normally include at least 12 courses from two or three departments. To ensure analytical rigor and depth in the SDM, the student must complete the courses equivalent to a minor and one additional upper-division course (3000 or higher) within at least one of the core disciplines. No credit will be awarded toward a minor in a discipline included as part of an SDM. One appropriate IDST Core course may count toward the major. Ordinarily, courses taken for a self-designed major will not count toward a second major.
3. The proposed SDM must focus on a coherent theme or issue and demonstrate an integration of the contributing disciplines.
4. Every student declaring an SDM must also meet all core and degree requirements of the College to graduate, including the Core 10 requirement (IDST 4000 Reflections on Liberal Studies). Students will normally satisfy the Core 10 requirement by successfully completing the senior seminar in one of the disciplines. In exceptional cases where the faculty committee and the student agree that the academic goals of the SDM are not met by a senior seminar, an upper-division seminar designated by the committee or a senior thesis with an appropriate Core 10 component may satisfy the Core 10 requirement.

The following procedures must be followed for all self-designed majors applications:

1. The student is responsible for investigating the feasibility of the proposed SDM with appropriate faculty and consulting with the coordinator of SDMs about requirements and procedures.
2. The student must ask one faculty member from each participating department to support the SDM application. These members will form an advisory committee that serves as the “department” for that particular SDM until all the requirements are completed. One member of the committee will serve as the adviser of record and the coordinator of SDMs will serve as chair for all SDMs.
3. The student will develop a petition, supported by the members of the advisory committee, explaining the rationale for this SDM; why the academic goals could not be met by existing majors or concentrations; and how this SDM advances particular career goals.
4. This petition will be part of the formal application, which should include the names of the faculty committee; a list and schedule of proposed courses, field research, directed studies, and internships; and a plan for meeting the senior comprehensive examination requirements. Under normal circumstances, the faculty committee will develop and administer these exams. Finally, the applicant should also indicate how the Core 10 requirement will be met. Normally, this would be satisfied by completing the senior seminar in one of the disciplines. If a senior thesis or designated upper-division seminar will be used to meet the Core 10 requirement, the applicant must demonstrate in the application why this option best serves the academic goals of the SDM.
5. The petition and completed application, approved and endorsed by the faculty committee members and the coordinator of SDMs, will be submitted to the College curriculum committee for final review and approval. In order for the SDM

to be officially approved, it must have the signature of each faculty committee member, the coordinator of SDMs, the chair of the curriculum committee, and the interim vice president and dean of academic affairs.

6. The coordinator of SDMs will track the progress of each major and work with the coordinator of records of the College to certify the completion of each SDM.

Women's and Gender Studies

Women's and gender studies is an interdisciplinary program designed to promote the study of gender, women's experiences, and various feminist theories across the College curriculum.

Requirements for the minor in Women's and Gender Studies: A student may elect a minor in women's and gender studies by completing the following requirements: Introduction to Women's and Gender Studies (WOST 2000), Senior Project (WOST 4000), and three approved women's and gender studies courses with multidisciplinary breadth. A minimum grade of C in these courses is required.

2000 Introduction to Women's and Gender Studies (4 sem. hours). This course is an interdisciplinary introduction to the field of women's and gender studies; to the questions raised by the study of women's experiences; to the intellectual debates surrounding the issue of gender; and to the role of these fields in the various liberal arts disciplines.

4000 Senior Project (4 sem. hours). This project consists either of an independent study with an instructor in the student's major or a teaching practicum in the Introduction to Women's and Gender Studies course.

Interdisciplinary Core

1000 Core 1 (4 sem. hours). This course is designed to introduce students to the academic community, to provide opportunities for intellectual growth through critical thinking and writing on subjects of general interest, and to initiate a process of self-reflection that will continue to graduation. It is a writing-intensive course that takes the place of English composition.

1050 Core 1 (4 sem. hours) (transfers and adults). IDST 1050 is a seminar designed for students who are entering Millsaps College as transfers from other institutions. Students are assisted in developing their writing and critical thinking skills and introduced to the terrain of a liberal arts curriculum.

1118–1128 Heritage of the West in World Perspective (8 sem. hours each semester). Beginning with antiquity and continuing to the present, this program brings together history, literature, philosophy, religion, and the arts in an integrated approach to the study of Western culture within a global context. It is the equivalent of eight semester hours each semester extending throughout the year. This course meets the requirements of Core 2–5 and the fine arts requirement.

1200 Topics of the Ancient World (4 sem. hours). Courses with different topics address developments in the period from prehistory to 600 C.E. from a variety of perspectives, including history, literature, philosophy, religion, and the fine arts. This course meets the requirements of Core 2.

1300 Topics of the Pre Modern World (4 sem. hours). Courses with different topics address developments from 600 C.E. to 1600 C.E. from a variety of perspectives, including history, literature, philosophy, religion, and the fine arts. This course meets the requirements of Core 3.

1600 Topics in the Social and Behavioral Sciences (4 sem. hours). Courses with different topics address issues relating to society and the individual by applying the methods of psychology, sociology, anthropology, politics, and economics. This course meets the requirements of Core 6.

1700 Topics in the Natural Sciences with Lab (4 sem. hours). Courses with different topics address issues relating to the natural world by applying the methods of biology, chemistry, geology, and physics. This course includes a laboratory and meets the requirements of Core 7 and/or 9.

1710 Human & Natural Disasters (4 sem. hours). Human & Natural Disasters is part of an integrated two-semester course sequence (with IDST 1720) encompassing geology and biology and emphasizing applications to real-world situations. Modules will include human evolution, plagues, biological and chemical warfare, and climatic and geologic disasters such as earthquakes and tsunamis. The course sequence fulfills Core 7 and Core 9, and is designed for freshman and sophomore nonscience majors.

1720 How Things Work (4 sem. hours). How Things Work is part of an integrated two-semester course sequence (with IDST 1710) that encompasses chemistry and physics and emphasizes applications to real-world situations. Modules will include forensic science, kitchen chemistry, sports physics, dissection of small electrical gadgets, and how the universe works. The course sequence fulfills Core 7 and Core 9, and is designed for freshman and sophomore non-science majors.

1900 Topics in Science, Mathematics, and Computer Science (4 sem. hours). Courses with different topics address issues relating to science, mathematics, and computer science. This course does not include a laboratory and therefore does not meet the Core 7 requirement, but it does fulfill the Core 9 requirement.

2400 Topics of the Modern World (4 sem. hours). Courses with different topics address developments from 1600 to 1900 from a variety of perspectives, including history, literature, philosophy, religion, and the arts. This course meets the requirements of Core 4.

2500 Topics of the Contemporary World (4 sem. hours). Courses with different topics address developments after 1900 from a variety of perspectives, including history, literature, philosophy, religion, and fine arts. This course meets the requirements of Core 5.

4002 Reflections on Liberal Studies (2 sem. hours). This course is designed to provide students with an opportunity to draw together the various strands of their education, to make connections among disciplines, and to reflect upon the meaning of liberal arts. Required for students in the honors program, this course meets the requirements of Core 10. Prerequisite: senior status and completion of all other Core requirements, including the writing portfolio requirement.

Writing Program

1000 Thinking and Writing (4 sem. hours). This course is designed to provide additional writing experience to students who have already taken Introduction to Writing and Thinking. It may also be used by transfer students to meet Core 1 requirements. Prerequisite: IDST1000 and recommendation of instructor.

2001 Introduction to Teaching Writing (1 sem. hour). This course is designed to prepare prospective peer tutors to work in the Writing Center. It will introduce them to the writing process on a theoretical as well as practical level, and to theoretical and practical components of Writing Center work. Specific topics will include the role of the peer tutor, the rhetorical situation, types of academic writing, cultural perspectives, and approaches to talking about writing at various stages of the writing process. Faculty recommendation required.

3001 Advanced Teaching Writing (1 sem. hour). This course examines the theoretical and practical components of Writing Center work, paying particular attention to their reflective nature, that is, to the ways in which theories of collaborative learning challenge and extend Writing Center practice and the ways in which Writing Center practice interrogates and shapes Writing Center theory. The course will also further introduce students to aspects of Writing Center administration, particularly the task of marketing the Writing Center on the Millsaps campus. Specific topics will include recent critiques of collaborative learning, approaches to consultation, consultant roles, the role of grammar instruction in the Writing Center, consulting strategies for ESL students, and the use of computers in the Writing Center. Prerequisite: WRIT 2001.

Other Interdisciplinary Courses

IDST 2000 Topics in Southern Studies (4 sem. hours). A course for the general student to be offered by the Eudora Welty Professor of Southern Studies. It may be cross-listed with one or more departments and may be repeated for credit with different topics.

STDA 2000 The Traveler in the Text. This course focuses on the literature, history, and art of British and European cultures. Relative to the location of this study abroad course—London or Munich and Florence—the course examines the culture's importance historically and contemporarily, with an emphasis on the country's artistic contributions. Combining reading from literature, history and art with visits to important British and European sites, the course allows students to connect various subjects in the humanities with cultural artifacts about which they are written or that are important to their understanding. For this course, mornings will be reserved for class & field excursions. Occasional field trips will require full day participation. Weekends are reserved for student travel. Ordinarily, students will be given credit for this course as an elective in the disciplinary specialization of the professor teaching the course.

STDA 2010 Summer Study Abroad. Offered by the Sociology/Anthropology department.

STDA 2020 Living in Yucatán I (4 sem. hours). Course focuses on Maya history, archaeology, ancient culture, and modern cultural anthropology. Issues that relate to the rise and eventful collapse of the classic Maya civilization, the evolution of a colonial system of human and environmental exploitation, and the impact of modern commercial development are investigated. Field excursions to numerous Maya ruins and historical places provide background information for

understanding the rise of this powerful and influential culture. The impact of the Maya empire's decline and conquest by the Spanish and the effect on descendants are intensively studied. Living among and interacting with residents provides students with opportunities to understand the values, hardships, dreams, and reality of life in a culture very different from their own. With prior approval, students may direct credits to English and history requirements. Writing assignments will focus on developing skills and style critical to composing successful historical and travel writing. Evening lectures and discussion augment the field activities. This course must be taken in sequence with Living in Yucatán II (STDA 2030).

STDA 2030 Living in Yucatán II (4 sem. hours). Course integrates study of Yucatán's biology and geology with economic and cultural issues. A predominant theme in this portion of the course relates to the impact of tourism and development of the Riviera Maya. An understanding of the physical environment aids the student in understanding the limits to development. Biological and geological field excursions provide multiple opportunities to study the peninsula's forest ecology, coastal ecology, reef ecology, and hydrology as they relate to important environmental issues. The historical impact of natural systems on the rise and eventful collapse of the classic Maya civilization is also intertwined with that of current issues. Daily activities include botanical studies in herbariums, local family gardens, and field studies in forest environments. Geological and coastal studies are conducted by boat, snorkeling, in caves, and land-based field stops. Evening lectures and discussions augment field excursions. This course must be taken in sequence with Living in Yucatán I (STDA 2020).

STDA 2040 Culture, History, and Literature in the Maya World. Culture, History and Literature in the Maya World is an interdisciplinary course that blends the study of literature, history, cultural anthropology, and archaeology while immersing students in the unique culture of Yucatan. Traveling among the peninsula's most important archaeological, geographical, and historical sites, we will consider the development of the Yucatecan world from pre-Columbian times, through the Conquest and Colonial period and into Age of Revolution and Independence. As we experience Yucatan in its local, Mesoamerican, trans-Atlantic, and global contexts, we will sample key historical, anthropological, and literary texts. Our primary sources will include documents by sixteenth- and seventeenth-century discoverers such as Hernán Cortez, Bernal Díaz, and Diego De Landa, travel writing by nineteenth-century re-discoverers John Lloyd Stephens and Frederick Catherwood, as well as poetry and prose from native Yucatec voices. And while we travel throughout the peninsula, we will produce our own writing (whether creative, ethnographic, historical, or literary-critical) from the travel journals and field notes we produce along the way. The course satisfies the Core 4, IDST 2400 requirement, with foci in literature and history.

Charles W. and Eloise T. Else School of Management

Kelly Gene Cook Sr. Chair of Business Administration
Hyman F. McCarty Jr. Chair of Business Administration
J. Army Brown Chair of Business Administration
Selby and Richard D. McRae Chair of Business Administration

Professors:

Jesse D. Beeler, Ph.D., C.P.A.
Carl G. Brooking, Ph.D. Emeritus
Kimberly G. Burke, Ph.D., C.P.A.
David H. Culpepper, Ph.D., C.P.A., C.V.A.
M. Ray Grubbs, Ph.D.
Howard L. McMillan Jr., B.B.A., Dean
Walter P. Neely, Ph.D., C.F.A.
Penelope J. Prenshaw, Ph.D.
Susan W. Taylor, Ph.D.

Associate Professors:

Ajay K. Aggarwal, Ph.D.
Diane F. Baker, Ph.D.
M. Blakely Fox Fender, Ph.D.
Harvey L. Fiser, B.A., J.D.
Raymond A. Phelps, D.B.A.
Patrick A. Taylor, Ph.D.

Assistant Professors:

Bill M. Brister, Ph.D.

Instructor:

Jane Collins, L.L.M.

Mission Statement

The Else School of Management produces business leaders who also become community, national, and world leaders. This mission is accomplished through teacher-scholars who provide students an academically rigorous business education strengthened by critical thinking, quantitative reasoning, ethical awareness, and communication skills. Quality of delivery is reflected through maintenance of Association to Advance Collegiate Schools of Business International accreditation. Leadership development is enhanced by international experiences, experiential learning opportunities, and individual attention to the student in and out of the classroom. The Else School serves the business community and the community at large through community service and executive education.

Values

- Promoting the academic objectives of the College through a general management perspective and advancement of professional accounting education
- Providing a student-centered, participative learning environment

- Maintaining and expanding partnerships between the College and the regional business community
- Creating diversity within the Else community and developing diverse perspectives from which to evaluate problems, issues, and challenges, and
- Attracting and retaining educators who are outstanding teachers, scholars, and writers

Else School of Management Programs

The Else School of Management offers undergraduate degree programs that lead to a B.B.A. degree with majors in accounting or in business administration and a program that leads to B.A. or B.S. degrees with a major in economics. The Else School also offers two graduate degrees: master of business administration (M.B.A.) and master of accountancy (M.Acc.). The M.B.A. degree may be completed in one year beyond the bachelor's degree for students who have completed the B.B.A. program at Millsaps or at any other AACSB International accredited institution, as well as for nonbusiness students who complete the Major Plus program. The master of accountancy degree generally requires one additional year of study beyond the B.B.A. for students who have majored in accounting and wish to complete the educational requirements to take the CPA examination. For details of the M.B.A., Major Plus, and M.Acc., see other sections of this catalog and other College publications. The business programs offered by the Else School of Management at Millsaps College are accredited by AACSB International.

Bachelor of Business Administration (B.B.A.) (Majors in Business Administration and Accounting)

Degree requirements: To earn a B.B.A. degree, students major in either accounting or business administration. The B.B.A. academic program is a three-year, integrated body of study ordinarily beginning in the fall of the sophomore year. Courses are sequenced so that each course is taught with the assumption that students in a class have a common academic background. To ensure educational diversity, ordinarily at least 50 percent of courses (usually 64 or more semester hours) must be nonbusiness or international study abroad courses. Up to nine semester hours of economics courses may be considered nonbusiness courses.

Foundation prerequisites: Students pursuing a B.B.A. degree must complete Survey of Calculus (MATH 1210) or Analytical Geometry and Calculus I (MATH 1220), or higher level mathematics, preferably during their freshman year. The mathematics requirement should be satisfied before commencing junior-level courses. Elementary Statistics (MATH 1150) should be completed prior to the fall semester of the junior year. Sophomore-level B.B.A. core courses will be completed before commencing junior-level B.B.A. courses.

Curriculum: Eight core courses totaling 32 semester hours are required of all B.B.A. students in addition to the courses required for the particular major (business administration or accounting). The business administration major includes the B.B.A. core courses plus MGMT 4900 Business Strategy and 12 semester hours (typically three courses) of Else School electives totaling 48 semester hours. Students planning to complete degree requirements and leave the College at the end of a fall semester must take Management 4900, Business Strategy, in the spring of the preceding academic year. The accounting major includes the B.B.A. core courses and 28 additional semester hours (seven courses) totaling 60 semester hours. Courses should be taken in the sequence prescribed. The B.B.A. core courses are:

Sophomore Year

Fall semester:

- ECON 2000 Principles of Economics
- ACCT 2000 Principles of Financial Accounting

Spring semester:

- ACCT 2010 Managerial Accounting, Budgeting, and Systems Control

Junior Year

Fall semester:

- MGMT 3000 Introduction to Management
- FINC 3000 Principles of Corporate Finance

Spring semester:

- QMGT 3000 Operations Management
- MKTG 3000 Fundamentals of Marketing

Senior Year

Fall semester:

- ADMN 4000 Legal Environment of Business

Requirements for the Business Administration Major: Beyond the foundation pre-requisites, a minimum of 48 semester hours (12 courses) are required to earn a B.B.A. degree. In addition to the B.B.A. Core, students pursuing a major in business administration must complete MGMT 4900 Business Strategy, to be taken in the senior year, and three Else School elective courses. Students pursuing a B.B.A degree may not use the three Else School elective courses to satisfy economics major or minor requirements.

Requirements for the Accounting Major: Students pursuing the B.B.A. with a major in accounting must complete a minimum of 60 semester hours, including the B.B.A. core, Intermediate Accounting I and II (ACCT 3000, 3010), Federal Taxation of Income (ACCT 4000), Advanced Financial Accounting (ACCT 4020), Auditing (ACCT 4010), Business Law (ADMN 4020), and Senior Seminar in Accounting (ACCT 4900).

The B.B.A core courses are common to both business administration and accounting major B.B.A students. The following table identifies the additional required courses for the junior and senior years for accounting majors. The fifth year of study leading to the master of accountancy degree (M.Acc.), which provides the additional course work necessary to qualify to sit for the CPA exam, is described in other College publications (www.millsaps.edu/esom/).

Junior Year

Fall semester:

- ACCT 3000 Intermediate Accounting I

Spring semester:

- ACCT 3010 Intermediate Accounting II
- ACCT 4000 Federal Taxation of Income

Senior Year

Fall semester:

- ACCT 4010 Auditing I
- ACCT 4020 Advanced Financial Accounting

Spring semester:

- ACCT 4900 Senior Seminar (Core 10)
- ADMN 4010 Business Law

Students majoring in accounting must earn a C- or better in all of the 3000 – 4000 level accounting classes (those with the ACCT prefix). Students majoring in accounting and earning less than a C- in any 300 – 4000 level accounting course must re-take that course before they will be approved to enroll in other accounting courses.

Accounting majors have the option of participating in an eight-semester-hour, full-time residency program during the spring semester of the senior year.

The Accounting Residency program allows selected undergraduate students to work full time for a Big 4, regional, or local accounting firm in the spring of their senior year. In the fall, accounting firms interview Millsaps accounting seniors for spring residency positions. Selected students work full-time, receiving full pay in positions that foster professional growth and maturity.

The Else School also offers the Master of Accountancy degree, which is designed for students who intend to pursue professional careers in public accounting, business, and the government/nonprofit sector. A M.Acc. degree fulfills the educational requirements to sit for the CPA examination in states that have adopted the AICPA's 150-credit-hour requirement. In general, the M.Acc. program involves a fifth year of study beyond the accounting major. Students who plan to seek an M.Acc. degree should pursue the basic accounting major as outlined above. For more details about the M.Acc. program, see any member of the accounting faculty and other College publications (www.millsaps.edu/esom/).

Bachelor of Arts (B.A.) or Bachelor of Science (B.S.) Major in Economics

In addition to other stated degree requirements for B.A. or B.S. degrees, the student majoring in economics will complete 24 semester hours in the core economics courses: Principles of Economics (ECON 2000), Intermediate Macroeconomics (ECON 3000), Intermediate Microeconomics (ECON 3010), Econometrics (ECON 3030), International Economics (3040), Senior Thesis I (ECON 4901), Senior Thesis II (ECON 4911), and the Senior Seminar in Economics (ECON 4902). In addition, the student must pursue one of three specialized tracks: business economics, quantitative economics, or policy economics. Additional economics courses and other courses required of the economics major depend upon the track chosen. All three tracks require an additional 24 semester hours in order to satisfy their minimum requirements for a total of 48 semester hours.

Requirements for the business economics track: The student choosing this track will take the economics core courses, Introduction to Finance (FINC 3000) and one other business economics course at the 3000 level or higher (Money and Financial Systems (ECON 3020) or Industrial Organization (ECON 3070)). In addition to these economics courses, students pursuing this track will also take either Survey of Calculus (MATH 1210) or Calculus I (MATH 1220), Elementary Statistics (MATH 1150), Principles of Financial Accounting (ACCT 2000), and any other Else School course of 3000 or higher level.

Requirements for the quantitative economics track: The student choosing this track will take the economics core courses, Quantitative Economics (ECON 3060), and one other economics course at the 3000 level or higher or Principles of Corporate Finance (FINC 3000). In addition to these economics courses, students pursuing this track will also take Calculus I (MATH 1220), Calculus II (MATH 2230), Elementary Statistics (MATH 1150), and Linear Algebra (MATH 3650).

Requirements for the policy economics track: The student choosing this track will take the economics core courses and any one policy economics course (Labor Economics (ECON

3120), Heath Economics (ECON 3050), and/or Money and Financial Systems (ECON 3020) and any other economics course at the 3000 level or higher or Principles of Corporate Finance (FINC 3000). In addition to these economics courses, students pursuing this track will also take either Survey of Calculus (MATH 1210) or Calculus I (MATH 1220), Elementary Statistics (MATH 1150) and any two courses from Economics Policy Analysis (Econ 2200); Legal Environment of Business (ADMN 4000); Introduction to Government (PLSC 1000); American Public Policy (PLSC 3400); The Great Depression (HIST 3170); U.S. History (HIST 2100); or History of the United States Since 1877 (HIST 2110).

Financial Services Concentration

Description of concentration: The financial services concentration allows business students to demonstrate to potential employers or graduate schools particular competence in finance within the broader context of the student's degree program.

Curriculum: Else School majors may elect a concentration in financial services by taking the following courses: Seminar in Portfolio Management (FINC 3900), Money and Financial Systems (ECON 3020), Intermediate Financial Accounting I (ACCT 3000), and Advanced Finance (FINC 4000). These courses total sixteen semester hours.

In the event that one of the four advanced courses is unavailable or when students suffer an unavoidable scheduling conflict, other courses may serve as substitutes. These courses include Student Managed Fund I (FINC 4002) and Student Managed Fund II (FINC 4012), International Finance (FINC 4750), Directed Study (FINC 4800), Intermediate Financial Accounting II (ACCT 3010), and Intermediate Macroeconomics (ECON 3000). Substitutions to the recommended curriculum are made only with the permission of the business administration program director.

Global Business Studies Concentration

Description of concentration: The global business studies concentration allows business students to demonstrate to potential employers or graduate schools particular competence in international business within the broader context of the students' degree program.

Curriculum: Else School majors (Business Administration, Accounting or Economics) may elect a concentration in global studies by taking 16 semester hours in the following courses: International travel with the Else School (or in business)

One of the following: International Economics (ECON 3040), International Business (MGMT 2000, MGMT 4010) or International Accounting (ACCT 4750)

One of the following: International travel with the Else School (or in business), or a course approved by the director of International Programs for the Else School in either international business, political science with an international focus, history with an international focus, advanced language of 3000 level or above, or a directed study or internship with an international focus. (Political Science electives: International Relations (2400), Western European Government and Politics (3300), African Government and Politics (3310), Special Topics courses with an international focus (2750 or 4750), Directed Readings if topic appropriate with an international focus (3800))(History electives: European Civilization Since 1789 (2210), African History and Society (2310), Middle Eastern History and Society (2400), Britain and the World, 1914 to the Present (3220), Topics in European Culture and History (3240), History of Modern France (3620), Special Topics in History with an international focus (3750) (Modern Languages electives: 3000 level classes or above)

Minors in the Else School of Management

Minor in Business Administration

A student may elect a minor in business administration by completing Principles of Economics, Principles of Financial Accounting, Introduction to Management, and two of the following Else School courses: Principles of Corporate Finance, Fundamentals of Marketing, or Operations Management. This is 20 semester hours for the minor in business administration. Minors in accounting are not offered.

Minor in Economics

A student may elect a minor in economics with Principles of Economics (ECON 2000), Intermediate Microeconomics (ECON 3010) or Intermediate Macroeconomics (ECON 3000), and any other two economics courses at or above the 3000 level. The economics minor requires a minimum of 16 semester hours. Students pursuing a B.B.A. degree and seeking the economics minor may not apply the courses beyond Principles of Economics (ECON 2000) to satisfy B.B.A. elective requirements.

Other Curricular Policies

Transfer Policy

Students may transfer from other schools and pursue a B.B.A. at the Else School, but at least 50 percent of the B.B.A. course work must be taken at Millsaps. For the business administration major, this means at least 24 semester hours of B.B.A. course work must be completed at Millsaps. For the accounting major, 32 semester hours (generally six courses) of B.B.A. course work must be completed at Millsaps. Transfer students may receive credit for Principles of Accounting or Managerial Accounting, Budgeting and Systems Control if they passed comparable courses, completing three semester hours each, with a C or better at their previous institution. Students may receive credit for Principles of Economics if they passed six semester hours in Principles of Economics with a grade of C or better at their previous institution. Ordinarily, students must take the four junior-level B.B.A. core courses at Millsaps. Credit for junior- and senior-level courses taken at other four-year colleges will be evaluated on an individual basis by the Else School. For business administration majors, Business Strategy (MGMT 4900) must be taken at Millsaps; for accounting majors, at least 12 semester hours in accounting (three courses) required in the major must be taken at Millsaps. Ordinarily, course work taken more than six years prior to admission or readmission to the Else School and academic work in which the student receives a grade below C must be repeated. The directors of the respective programs of the Else School will evaluate extenuating circumstances for exceptions to these standards.

Millsaps students who wish to take B.B.A. courses at the 3000 level or above at an institution other than Millsaps must do so at an AACSB International accredited institution and have prior approval from the dean of the Else School of Management. All students are required to complete at least 50 percent of their B.B.A. courses at Millsaps.

Double Majors

Students completing the requirements for the B.B.A. degree must have a primary major in business administration or accounting. A second major may be selected in any other field. Requirements for the second major must be met as outlined elsewhere in the catalog.

Else School Course Offerings

Accounting

- 2000 Principles of Financial Accounting (4 sem. hours).** The basic concepts, systems, and terminology of accounting data in modern accounting leading to the interpretation for decision making by external users. The course emphasizes understanding of general purpose financial statements. Prerequisite: sophomore standing.
- 2010 Managerial Accounting, Budgeting, and Systems Control (4 sem. hours).** This course is a survey of principles of managerial accounting and controllership issues, including cost behavior, cost-volume-profit analysis, absorption and variable costing methods, budgeting, performance analysis, and internal control systems. Prerequisite: ACCT 2000.
- 3000 Intermediate Financial Accounting I (4 sem. hours).** A focus on the conceptual framework of financial reporting that emphasizes the accounting model, the rationale underlying generally accepted accounting principles, and the external disclosure consequences of corporate decisions. Prerequisite: ACCT 2000 and ACCT 2010. Offered during the fall semester.
- 3010 Intermediate Financial Accounting II (4 sem. hours).** A continuation of Intermediate Financial Accounting with a focus on issues relating to the financial reporting by public corporations, stockholders equity, long-term liabilities, cash flow, and income reporting. Prerequisite: ACCT 3000. Offered during the spring semester.
- 200 | **4000 Federal Taxation of Income (4 sem. hours).** This course prepares students to examine the sources of tax law relating to individual taxpayers and to gain orientation and practical experience in preparing tax forms and meeting filing requirements. Prerequisite: ACCT 2000 and ACCT 2010. Offered during the spring semester.
- 4010 Auditing I (4 sem. hours).** This course includes the environment of the auditing sector in business and the role of auditing in society. Topics include the legal and ethical responsibilities of accountants; professional auditing standards; the acquisition, evaluation, and documentation of audit evidence; and reports on the results of the auditing engagement. Prerequisite: ACCT 3010. Offered during the fall semester.
- 4020 Advanced Financial Accounting (4 sem. hours).** Financial accounting and reporting for selected noncorporate entities, such as partnerships and governmental units, and for multicorporate or consolidated business enterprises. Selected accounting topics concerning multinational enterprises will be introduced. Prerequisite: ACCT 3010. Offered during the fall semester.
- 4030 Accounting Information Systems (4 sem. hours).** Exposes students to analysis, design, and evaluation of accounting systems with emphasis on transaction processing and the related internal controls for the major accounting cycles. Also included is development of systems, flow-charting skills, and exposure to advanced computerized accounting systems. Prerequisite: ACCT 3010. Offered occasionally.
- 4040 Advanced Taxation (4 sem. hours).** A study of the taxation of corporations, partnerships, estates, and trusts. Prerequisite: ACCT 4000.

4060 Governmental/Nonprofit Accounting (4 sem. hours). Principles and applications appropriate to governmental and other nonprofit institutions. Emphasis is on budgeting and fund accounting. Prerequisite: ACCT 3010.

4900 Senior Seminar: Contemporary Issues and Global Accounting (4 sem. hours). A seminar course exploring the current accounting environment and the major issues facing the accounting profession. The course also addresses the role accounting plays in the global economy. Includes group projects and oral presentations by students. Prerequisite: completion of junior-level accounting courses and enrollment in ACCT 4000 and ACCT 4010. This course is offered during the spring semester.

Special Purpose Course Numbers

- 4750–4753 Special Topics (1–4 sem. hours).
- 4800–4803 Directed Studies (1–4 sem. hours).
- 4850–4853 Internship (1–4 sem. hours).

Business Administration

4000 The Legal Environment of Business (4 sem. hours). An introduction to legal systems and the business-related provisions of the U.S. Constitution; to the common law of torts and business organizations; to administrative law and procedures; to regulatory programs involving labor, antitrust, and securities; and to the impact of foreign and domestic laws on international business. Prerequisite or corequisite: junior-level B.B.A. core courses. Offered during the fall semester.

4020 Business Law (4 sem. hours). Emphasis on common law contracts and Uniform Commercial Code sections dealing with sales, commercial paper, and secured transactions. Prerequisite: ADMN 4000. (Available to non accounting majors with permission of instructor.) Offered during the spring semester.

4050 International Business Law (4 sem. hours). This course introduces the international legal structures designed to regulate international trade and commerce. The student will examine the legal aspects of business with a particular emphasis on the effect of international law, treaties and governmental policies on immigration, labor, contracts, imports and exports, intellectual property, and international investments. The course will offer a comparative approach to the study of international law to demonstrate how various societal and cultural environments affect the approaches to legal systems and the enforcement of those systems.

Special Purpose Course Numbers

- 4750–4753 Special Topics (1–4 sem. hours).
- 4800–4803 Directed Studies (1–4 sem. hours).
- 4850–4853 Internship (1–4 sem. hours).

Economics

2000 Principles of Economics (4 sem. hours). This course investigates examination of basic micro and macro concepts of economics including the role of economics, supply and demand, price determination, demand and production theory, costs, competition, monopoly, the role of government in the economy, national income determination, the monetary system, and fiscal and monetary policy. Prerequisites: sophomore standing is required. MATH 1210 or MATH 1220 is recommended.

- 2200 Economic Policy Issues (4 sem. hours).** This course investigates various aspects of public policy regarding economic issues. Both macro and micro policy issues may be considered. This course is the same as PLSC 2200. Prerequisites: ECON 2000 and sophomore standing.
- 3000 Intermediate Macroeconomic Theory (4 sem. hours).** This course studies the measurement of and determination of the level of national income and output, aggregate demand and supply, inflation, unemployment, the theory of money and interest rates, the causes of economic cycles, and national economic policy analysis. Prerequisite: ECON 2000 and at least junior standing.
- 3010 Intermediate Microeconomic Theory (4 sem. hours).** This course examines price and output determination in markets, equilibrium, market intervention, externalities, the theory of value, production and cost theory, resource markets, and welfare and policy implications. Prerequisite: ECON 2000 and at least junior standing or consent of instructor.
- 3020 Money and Financial Systems (4 sem. hours).** This course is a survey of both the microeconomic and macroeconomic aspects of financial systems, including market structure, behavior, and regulation of commercial banks and other financial intermediaries; the creation of money; central bank organization and monetary control; and policy issues. Prerequisite: ECON 2000 and at least junior standing.
- 3030 Econometrics and Applied Statistics (4 sem. hours).** This course involves a study of the general linear regression model and the considerations associated with using that technique. Prerequisite: ECON 2000, MATH 1150, or consent of instructor, and at least junior standing.
- 3040 International Economics (4 sem. hours).** This course extends and applies economic theory to international issues with an examination of world money markets, exchange rates, adjustment mechanisms, and issues. Prerequisite: ECON 2000 and at least junior standing or permission of instructor.
- 3050 Health Economics (4 sem. hours).** This course provides an introduction to the microeconomics of health, healthcare, and health policy. Its main goals are to apply economic principles to health-related issues; to explain the social, political, and economic contexts of healthcare delivery; to explore the changing nature of health-care; and to analyze public policy from an economic perspective. Prerequisite: ECON 2000 and at least junior standing. Offered occasionally.
- 3060 Quantitative Methods (4 sem. hours).** This course examines analytical and statistical tools useful in economic decision making. Topics will include data collection, data analysis, advanced econometric models, and the communication of quantitative thinking. Additional topics may include constrained optimization and simulations. Prerequisite: ECON 3030 and MATH 1150.
- 3070 Competition Among Few: Industrial Organization (4 sem. hours).** This course addresses imperfectly competitive markets. Emphasis is on the structure, behavior, and performance of and public policy toward markets in which power is concentrated in the hands of a few firms. Prerequisite: ECON 2000 and junior standing. Offered occasionally.

3110 History of Economic Thought (4 sem. hours). This course traces the development of economic thought from the classical school to the present time. Prerequisite: ECON 2000 and junior standing. Offered occasionally.

3120 Labor Economics (4 sem. hours). This course examines the organization, functioning, and outcomes of labor markets. Topics include wage and employment determination, labor market discrimination, the economic impact of unions, the worker's investment in human capital, and the effects of regulation on firms and workers. Emphasis is placed on the compensation and incentives of workers. Prerequisite: ECON 2000 and junior standing.

3130 The Business of Sports (4 sem. hours). This course addresses various topics in the business of sports. Topics may include issues pertaining to stadium site selection and financing, the relationship between team and municipality, legal aspects of sports business, and other issues related to sports and society. Prerequisites: MGMT 3000, ACCT 2000, ECON 2000 and at least junior standing. Offered in alternate years.

4901 Senior Thesis I (1 sem. hour). This is a research course and is the initial preparation of a thesis on an approved topic in economics that will be used as a part of the comprehensive examination for economic majors. Prerequisite: senior standing, ECON 3000, and ECON 3010.

4902 Senior Seminar in Economics (2 sem. hours). This course includes discussion of selected topics in economics. Prerequisite: senior standing, ECON 3000, and ECON 3010.

4911 Senior Thesis II (1 sem. hour). This is a research course in which the student concludes research begun in ECON 4901. It involves the final preparation of a thesis on an approved topic in economics that will be used as a part of the comprehensive examination for economics majors. Prerequisite: senior standing and ECON 4901.

Special Purpose Course Numbers

4750–4753 Special Topics (1– 4 sem. hours).

4800–4803 Directed Study (1–4 sem. hours).

4850–4853 Internship (1– 4 sem. hours).

Finance

3000 Principles of Corporate Finance (4 sem. hours). This course introduces corporate finance concepts. Emphasis is placed on financial decision making within the corporation in such areas as capital investment, capital structure, working capital management, and financing the firm. The student is also introduced to bond and stock valuation and to the role of global financial markets including regulatory aspects. Prerequisite: ECON 2000 and ACCT 2000. Offered during the fall semester.

3900 Seminar in Portfolio Management (4 sem. hours). The course focuses on portfolio management with focus on management and investments. Emphasis is on analysis of equity securities, fixed income securities, and derivatives in the context of portfolio management. Equity portfolio management is emphasized in the context of support of management of the General Louis Wilson Fund, the student-managed fund. The course requires readings, cases, field trips, projects, student research, and presentation.

4000 Advanced Finance (4 sem. hours). An advanced course in corporate finance. Selected topics include working capital management, risk analysis in capital budgeting, financing, mergers and acquisitions, international financial markets, derivative financial instruments, and capital market theory. Cases and projects are used in the course. Prerequisite: FINC 3000.

4002 Student-Managed Fund I (2 sem. hours). A course in the practice of portfolio management with focus on management of the General Louis Wilson Fund, the student-managed portfolio. Provides an opportunity for managing the investment of College endowment funds by utilizing economic, industry, and company analysis in the context of security valuation models. Combines the study of sophisticated security analysis and portfolio theory, management, and performance measurement. To be taken during the fall semester. Prerequisite: FINC 3900 and permission of instructor.

4012 Student-Managed Fund II (2 sem. hours). A course in the practice of portfolio management with focus on management of the General Louis Wilson Fund, the student-managed portfolio. Provides an opportunity for managing the investment of College endowment funds by utilizing economic, industry, and company analysis in the context of security valuation models. Combines the study of sophisticated security analysis and portfolio management with the practical demands of hands-on money management. Extends the study of portfolio theory, management, and performance measurement. To be taken during the spring semester. Prerequisite: FINC 3900 and permission of instructor.

4750 Topics in Finance (4 sem. hours). Several topics in finance will be considered on a rotational basis. Topics may include international finance, mergers and acquisitions, fixed income markets, speculative markets, international financial markets, and the management of risk. Prerequisite: FINC 3000 or permission of the instructor.

Special Purpose Course Numbers

4750–4753 Special Topics (1–4 sem. hours).

4800–4803 Directed Studies (1–4 sem. hours).

4850–4853 Internship (1–4 sem. hours).

Management

2000 International Business—Latin America (4 sem. hours). This is an intense course that requires students to travel and live in Latin America for at least a two-week period. Students are required to assess and understand geographic, environmental, economic, social-cultural, political, and legal factors that impact the business environment of Latin America. The course includes six hours of formal classroom instruction at Millsaps College before departure for the region and an additional 38 hours of classroom instruction once in the region. In addition to the classroom instruction, the course provides experiential learning opportunities by requiring students to participate in field trips that expose them to the history and culture of the region, as well as to various leaders of business, industry, and government.

3000 Introduction to Management (4 sem. hours). Provides an introduction to the arts and sciences of management. Theories of organization structure, communication, and managerial decision making are addressed. Particular emphasis is given to organizational behavior. Additionally, a detailed analysis is made of the planning,

organizing, leading, and controlling functions. Prerequisite: junior standing. Offered during the fall semester.

3010 Entrepreneurship (4 sem. hours). Students incorporate concepts from accounting, marketing, finance, and management to develop a vision for a new business plan. Prerequisites: ACCT 2000, ACCT 2010, MGMT 3000, and FINC 3000.

3020 Managerial Ethics (4 sem. hours). This course is intended to help students recognize the ethical dilemmas that employees and managers typically face in day-to-day dealings with colleagues, subordinates, bosses, customers, the public, and other stakeholders and to provide ethical frameworks for evaluating alternative courses of action. The emphasis of the course will be on managerial decisions, including those that students are likely to encounter in the early stages of their careers. Offered occasionally.

3030 International Management (4 sem. hours). Introduction to behavioral and human resources issues facing managers of multinational corporations. Students will evaluate the effectiveness of various management practices and techniques when applied across the globe. Topics include culture, leadership, decision making, communication, motivation, and employee development, selection, and repatriation. Prerequisite: MGMT 3000.

3040 Organizational Behavior (4 sem. hours). This course explores human behavior in organizational settings using theories from multiple disciplines including psychology, social psychology, and management. Examines how theories can be applied to create a positive work environment and improve worker morale and productivity. Prerequisite: junior standing. Offered occasionally.

4010 International Business (4 sem. hours). Focuses on issues and problems facing managers whose firms do business abroad. The strategic issues, operational practices, and external relations of multinational companies are analyzed through cases that bridge individual functional areas. Prerequisite: junior-level B.B.A. core courses.

4020 Human Resource Management (4 sem. hours). This course addresses contemporary human resource challenges arising out of the social, economic, and governmental environments in which organizations operate. Topics include the changing role of the human resource department in organizations, building and developing a competent workforce, issues in international human resource management, cultural diversity in the workplace, and the changing nature of labor relations. Prerequisite: junior standing.

4900 Business Strategy (4 sem. hours). Takes a searching look at the major components of strategy from an upper-level management perspective. Using case studies and simulations, this course provides a learning laboratory that integrates the knowledge and skills learned in the core courses of each function. Prerequisite: ADMN 4000 and all four junior-level B.B.A. core courses. Offered during the spring semester.

Special Purpose Course Numbers

4750–4753 Special Topics (1–4 sem. hours).

4800–4803 Directed Studies (1–4 sem. hours).

4850–4853 Internship (1–4 sem. hours).

Management Information Systems

3010 Management Information Systems (4 sem. hours). This course focuses on breadth of coverage rather than depth in any particular area. The topics covered include the strategic role of IT, discussion of MIS-specific computer hardware and applications, managing IT-related organizational change, systems development and outsourcing, and the Internet and electronic commerce. Prerequisites: junior standing or permission of the instructor.

3020 E-Commerce (4 sem. hours). Course will explore the e-commerce concept in the computer lab with focus on its business processes, opportunities, limitations, issues, and risks. Modules on creating web pages, working with XML, and web programming with Java will be included. Prerequisites: CSCI 1010 or equivalent and at least junior standing.

3110 Business Networks and the Internet (4 sem. hours). Provides those responsible for technology management, strategic planning, and various aspects of organizational management with an understanding of networking, electronic communications, and the Internet. Topics will be covered from the management perspective and will include LAN, WAN, hubs, servers, various systems configurations, and Internet technologies with emphasis on implications for management. Prerequisites: junior standing.

Special Purpose Course Numbers

4750–4753 Special Topics (1–4 sem. hours).

4800–4803 Directed Studies (1–4 sem. hours).

4850–4853 Internship (1–4 sem. hours).

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Marketing

3000 Fundamentals of Marketing (4 sem. hours). Consideration of pricing, promoting, and distributing products and services to satisfy buyers' needs in an ethical and socially responsible manner, with particular attention to the impact of demographic, economic, social, environmental, political, legal, regulatory, and technological forces on domestic and global organizational marketing systems. Prerequisite: ECON 2000 and at least junior standing. Offered during the spring semester.

4010 Consumer Behavior (4 sem. hours). This course focuses on the process involved when individuals or groups select, purchase, use, or dispose of products, services, ideas, or experiences to satisfy needs and desires. To consider the scope of consumer behavior, the course emphasizes the complex and interdependent relationships between marketing stimuli and the day-to-day lives of consumers. Prerequisite: MRKT 3000.

4020 Marketing Research (4 sem. hours). The course imparts an understanding of and the skills to apply the methods and techniques required for gathering, recording, and analyzing information for making marketing decisions. Prerequisites: MRKT 3000.

Special Purpose Course Numbers

4750–4753 Special Topics (1–4 sem. hours).

4800–4803 Directed Studies (1–4 sem. hours).

4850–4853 Internship (1–4 sem. hours).

Quantitative Management

3000 Operations Management (4 sem. hours). The course introduces managerial decision-making tools for manufacturing and service organizations from a managerial perspective. Suggested coverage includes decision making, quality management, statistical quality control, product and service design, supply chain management, project management, forecasting, capacity and aggregate planning, inventory management, simulation, materials requirements planning, and application design. The course makes significant use of Excel spreadsheets. Prerequisite: MATH 1150 and junior standing. Offered during the spring semester.

4010 Applications of Artificial Intelligence (4 sem. hours). The course focuses on the basics of expert systems and neural networks, with emphasis on developing useful business applications. Expert system shells and neural network development software is used extensively in the course. Offered occasionally.

4020 Quantitative Management in Spreadsheets (4 sem. hours). The course uses Excel spreadsheets as the medium for teaching quantitative management concepts. Coverage includes modeling, simulation, forecasting, decision-analysis, and optimization. This course meets in the computer lab for its entire duration.

Special Purpose Course Numbers

4750–4753 Special Topics (1–4 sem. hours).

4800–4803 Directed Study (1–4 sem. hours).

4850–4853 Internship (1–4 sem. hours).