

**MUSIC COURSES****MUSC 111. MUSIC APPRECIATION**

Open to all students. An introduction to perceptive music listening through study of melody, harmony, rhythm, texture, etc. Extensive listening to characteristic selections and major forms from different periods of music. *One semester; three credits*

**MUSC 112. WORLD MUSIC**

This course is open to all students. It is an introduction to perceptive music listening through the study of music from various cultures and music traditions from around the world. *One semester; three credits*

**MUSC 113. FUNDAMENTALS OF MUSIC THEORY**

Open to all students. A study of the basic elements of music including scales, intervals, triads, meter, note values, simple ear training, harmony, sight singing. *One semester; three credits*

**MUSC 115-116; 125-126; 135-136; 145-146. CHORALE**

Performance-oriented class. Choral music of various periods and styles studied, rehearsed and performed. Admission by audition. One credit each semester. Offered in the Fall and Spring. *Eight semesters; one credit each*

**MUSC 117-118; 127-128; 137-138; 147-148. CB SINGERS**

Special performing ensemble selected from Chorale membership. This group provides numerous programs for campus, civic, and area activities during the academic year. Two hours credit granted per semester. Includes chorale participation. Offered in the Fall and Spring. *Eight semesters; two credits each*

**MUSC 131-132; 231-232; 331-332; 431-432. PRIVATE PIANO INSTRUCTION**

Arranged only by audition. One half-hour lesson per week is given for which daily practice is required. Offered in the Fall and Spring. *Eight semesters; one credit each*

**MUSC 133-134; 233-234; 333-334; 433-434. PRIVATE VOICE INSTRUCTION**

Arranged only by audition. One half-hour lesson per week is given for which daily practice is required. Offered in the Fall and Spring. *Eight semesters; one credit each*

**MUSC 141. CLASS VOICE I**

Class instruction in basic techniques of breathing, tone production, diction, and phrasing by using a simple song repertoire. Daily practice required. Offered in the Fall and Spring. *One semester; one credit*

**MUSC 142. CLASS VOICE II**

Continuation of Class Voice I with group and individual instruction in basic techniques of breathing, tone production, diction and phrasing by using a simple song repertoire. Daily practice required. Offered in the Fall and Spring. *One semester; one credit*

**MUSC 151. CLASS PIANO I**

A combination of group/private instruction in basic piano techniques for students with very little or no prior training. Daily practice required. Offered Fall and Spring. *One semester; one credit*

**MUSC 152. CLASS PIANO II**

Continuation of Class Piano I with group/private instruction in basic piano techniques for students with very little or no prior training. Daily practice required. Offered in the Fall and Spring. *One semester; one credit*

**MUSC 290-299. SPECIAL TOPICS IN MUSIC**

Selected topics of special interest at an introductory level. *One semester; three credits*

**MUSC 475. SENIOR RECITAL**

A public recital using a culmination of music literature studied within the department. Program will be evaluated and approved by instructor prior to public performance. *One semester; three credits*

**MUSC 480-485. SPECIAL STUDIES IN MUSIC**

Content and credit variable with interest and instructor. Prerequisite: Approval by Department Chair. *One semester; one to three credits*

**NATURAL SCIENCE COURSES**

*Requirements for the degree are found on Page 106.*

**NSCI 111. INTRODUCTION TO ASTRONOMY**

The course introduces non-science students to astronomy. It includes naked-eye astronomy and a brief history of astronomy, the present-day tools of the astronomer, the solar system, the sun and stars, and finally the galaxy, the universe, and extraterrestrial life. Three lectures per week. Prerequisite: MATH 105 or higher. Corequisite: NSCI 111L. Offered in the Fall semester. *One semester; three credits*

**NSCI 111L. INTRODUCTION TO ASTRONOMY LAB**

Laboratory to accompany NSCI 111. Corequisite: NSCI 111. Offered in the Fall semester. *One semester; one credit*

**NSCI 114. CHEMISTRY IN CONTEXT**

This course is intended to impart a greater understanding of science to students who will be future legislators, philosophers, poets, lawyers, and business men and women. Some issues addressed are: air quality; the ozone layer; nutrition; alternative energy sources. Chemical concepts are introduced as needed. Students' own experiences will be used in class. Prerequisite: MATH 105 or higher. Corequisite: NSCI 114L. *One semester; three credits*

**NSCI 114L. CHEMISTRY IN CONTEXT LAB**

Laboratory to accompany NSCI 114. Corequisite: NSCI 114. *One semester; one credit*

**NSCI 115. SURVEY OF SCIENCE: HISTORY AND EXPERIMENTS**

This course is intended mainly for liberal arts and business students. It will combine readings and experiments using selections from the classical writings from the Greeks to the 20th century. Authors who will be read in part include Hippocrates, Copernicus, Newton, and Darwin. Prerequisite: MATH 105 or higher. Corequisite: NSCI 115L. Offered in the Spring semester. *One semester; three credits*

**NSCI 115L. SURVEY OF SCIENCE: HISTORY AND EXPERIMENTS LAB**

Laboratory to accompany NSCI 115. Corequisite: NSCI 115. Offered in the Spring semester. *One semester; one credit*

**NSCI 118. FUNDAMENTALS OF PHYSICAL SCIENCE**

This course provides an introduction to physics, chemistry, astronomy, meteorology, and geology. It also provides elements of the history and philosophy of science as well as the interrelationships among the sciences and the interrelationships of science and other disciplines. The course is designed to cover many of the general/physical science knowledge and skill areas required for secondary school science teaching. May be taken by arts and business students to

meet the science requirement but on a space available basis. Prerequisite: MATH 105 or higher. Corequisite: NSCI 118L. *One semester; three credits*

### **NSCI 118L. FUNDAMENTALS OF PHYSICAL SCIENCE LAB**

Laboratory to accompany NSCI 118. Corequisite: NSCI 118. *One semester; one credit*

### **NSCI 122. THE NATURE OF LIGHT**

An introduction to the field of optics for non-science majors. The question for the course is “What is light?” Different theories that model light as rays, waves, and photons are discussed to explain phenomena ranging from the formation of rainbows and mirages to the operation of lenses, lasers, holograms, and optical fibers. Prerequisite: MATH 105 or higher. Corequisite: NSCI 122L. *One semester; three credits*

### **NSCI 122L. THE NATURE OF LIGHT LAB**

Laboratory to accompany NSCI 122. Corequisite: NSCI 122. *One semester; one credit*

### **NSCI 126. FORENSIC ANTHROPOLOGY**

The subspeciality of Physical Anthropology that involves identification and law enforcement. Students are exposed to the human skeleton and taught to examine bones for sex, age, ancestry, and stature differences. Interpretation of skeletal crime trauma is stressed. The most recent techniques and analyses in the forensic sciences, along with current and controversial trends in anthropology, are discussed. Authentic case studies are used to illustrate the applied field of anthropology. This course is intended for applied psychology and science students. It assumes a basic familiarity with human biology. Prerequisite: MATH 105 or higher. Corequisite: NSCI 126L (Same as CJ 126 and ANTH 126) *One semester; three credits*

### **NSCI 126L. FORENSIC ANTHROPOLOGY LAB**

Laboratory to accompany NSCI 126. Corequisite: NSCI 126 (Same as CJ 126L and ANTH 126L) *One semester; one credit*

### **NSCI 128. PHYSICAL ANTHROPOLOGY**

This course is designed to introduce the student to the field of physical/biological anthropology, with an emphasis on human evolution. The larger themes investigated are the fundamentals of biological anthropology, major principles underlying our evolutionary history, and a review of the fossil evidence in an attempt to understand the development of the human species. Prerequisite: MATH 105 or higher. Corequisite: NSCI 128L. (Same as ANTH 128). *One semester; three credits*

### **NSCI 128L. PHYSICAL ANTHROPOLOGY LAB**

Laboratory to accompany NSCI 128. It includes working with hominid casts, and primate and modern human skeletal material. Corequisite: NSCI 128. (Same as ANTH 128L). *One semester; three credits*

### **NSCI 190-199. SPECIAL TOPICS IN NATURAL SCIENCE**

Courses in different areas of the natural sciences that are not offered on a regular basis. These include courses taught by visiting faculty members with special or unique qualifications or new courses taught by existing faculty members. Prerequisite: MATH 105 or higher. Corequisite: Corresponding lab course. *One semester; three credits*

### **NSCI 190L-199L. SPECIAL TOPICS IN NATURAL SCIENCE LABORATORIES**

Laboratories to accompany NSCI 190-199. Corequisite: Corresponding NSCI 190-199 course. *One semester; one credit*

**NSCI 410. SENIOR THESIS I**

An independent investigation in some area of the natural sciences. A choice of topic for research is made, and a written description of the proposed research including bibliographical references is submitted. Required of Natural Science majors. Prerequisite: Senior standing. *One semester; one credit*

**NSCI 411. SENIOR THESIS II**

The research proposed in NSCI 410 is carried out. A formal written report and an oral presentation are required. Required of Natural Science majors. Prerequisite: NSCI 410. *One semester; one credit*

**NAVY ROTC CLASSES**

Navy ROTC courses are offered through The University of Memphis under the instruction of The University of Memphis faculty.

**ORIENTATION COURSE****ORIN 100. ORIENTATION**

Orientation is normally held in the Fall semester for all first year students. The purpose of the course is to bring about the best possible transition from high school to C.B.U. It is conducted in small groups by a special corps of paraprofessional upperclass persons who have successfully completed intensive summer training. ORIN 100 is under the supervision of the Director of Counseling. *Pass/Fail Grading. One semester; zero credit*

**PHILOSOPHY COURSES**

*Requirements for the Religion and Philosophy degree are found on Page 53.*

**PHIL 201. INTRODUCTION TO LOGIC**

A study of valid and fallacious reasoning, deductive and inductive. Formal logical structures such as the syllogism will be examined, as well as the logic of ordinary discourse and the avoidance of "informal" fallacies. Offered in the Fall semester. *One semester; three credits.*

**PHIL 213. FUNDAMENTAL ISSUES IN PHILOSOPHY**

A course designed to introduce students to philosophical methods and the range of philosophical inquiry. The course focuses on the philosophical understanding of ethical, social, and religious values and deals with topics such as the nature of reality and the basis of knowledge primarily as these contribute to the analysis and understanding of values. *One semester; three credits*

**PHIL 219. SOCIAL AND POLITICAL PHILOSOPHY**

A philosophical investigation into basic questions of politics and society and the moral foundations of human social existence. Topics may include human rights, equality, distributive justice, authority, punishment and coercion, and the nature of the good or just society. (Same as CJ 219) *One semester; three credits*

**PHIL 220. CONTEMPORARY MORAL ISSUES**

A philosophical examination of a number of significant and controversial contemporary moral problems. Topics will vary but may include abortion, capital punishment, sexual morality, animal rights, environmental ethics, freedom of speech, discrimination, and affirmative action. The treatment of these topics will develop in the context of the tradition of philosophical ethics. Offered in the Spring semester. *One semester; three credits*

**PHIL 224. THEORIES OF HUMAN NATURE**

An examination of several major theories of human nature with special emphasis on the ethi-

cal implications of these theories. A consideration of such questions as whether humans are by nature either good or evil, individual or social, free or determined in their actions, and whether they have some natural purpose or end. Offered in the Fall semester. *One semester; three credits*

### **PHIL 234. HONORS THEORIES OF HUMAN NATURE**

An intensive study of classical, modern, and postmodern theories of human nature through the reading of original texts. There will be an emphasis on the philosophical concepts and the ethical implications of the theories. Prerequisite: Membership in Honors Program. *One semester; three credits*

### **PHIL 317. ANCIENT PHILOSOPHY**

An in-depth treatment of selected philosophers from the ancient and medieval periods including Plato and Aristotle. Prerequisites: HUM 150 or one previous Philosophy course. *One semester; three credits*

### **PHIL 318. MODERN PHILOSOPHY**

An in-depth treatment of selected philosophers from the 17th to the 19th centuries, beginning with Descartes. Does not presuppose PHIL 317. Prerequisites: HUM 150 or one previous Philosophy course. *One semester; three credits*

### **PHIL 320. CONTEMPORARY PHILOSOPHY**

An introduction to the major currents of 20th Century philosophical thought in America and Europe. The focus will be on the question of the meaning of subjective existence. Answers to this question will be examined from the perspectives of analytic philosophy, pragmatism, existentialism, and contemporary continental thought. Prerequisites: HUM 150 or one previous Philosophy course. *One semester; three credits*

### **PHIL 321. SCIENCE AND HUMAN VALUES**

A study of ethical and value issues relating to science. The course will consider both the historical significance of the development of science for the values of Western culture and the ethical and social implications of contemporary scientific developments and practices. Prerequisite: Junior standing. *One semester; three credits*

### **PHIL 322. MEDICAL ETHICS** (Formerly PHIL 422)

A review and evaluation of various theories of moral philosophy and an investigation into some of the current moral issues in the fields of biology and medicine. *One semester; three credits*

### **PHIL 323. BUSINESS ETHICS**

An analysis of business ethics, the responsibilities of business firms to employees, owners, consumers, and society. Prerequisite: Junior standing. Offered in the Fall and Spring. *One semester; three credits*

### **PHIL 324. TECHNOLOGY AND HUMAN VALUES**

A philosophical examination of social and ethical issues relating to technology. Topics include the ethical responsibilities of engineers; ethical and social issues associated with risk assessment, environment and resources, and technology in a global context; and the impact of modern technology on human values. Prerequisite: Junior standing. *One semester; three credits*

### **PHIL 325. ENVIRONMENTAL ETHICS**

A study of ethical and social issues concerning the relation of humans to the natural environment. Topics include the history of environmental ethics, the application of various ethical theories and concepts to environmental concerns, and the relevance of the scientific, technological, economic, legal, and socio-political considerations in the analysis of current issues in

environmental ethics. *One semester; three credits*

### **PHIL 335. PHILOSOPHY OF RELIGION**

An examination of philosophical issues relating to religion, the concept of God, arguments for and against God's existence, the nature of religious experience, knowledge, faith, the problem of evil and free will. (Same as RS 335) *One semester; three credits*

### **PHIL 340. ETHICAL THEORY**

An examination of various philosophical theories, including those of Aristotle, Kant, and Mill, concerning moral values. Questions discussed include the following: whether morality is best defined in terms of rights, duties, consequences, authenticity of commitment, or models of virtue, and whether morality can be judged by some absolute standard or is always relative (and if so, to what?). Prerequisites: HUM 150 or one previous Philosophy course. Offered in the Fall semester. *One semester; three credits*

### **PHIL 350. PHILOSOPHY OF THE ARTS**

A study of various philosophical responses to questions concerning art. Topics include the nature of art, the relation between different arts, the nature of artistic creation, and the problem of evaluating works of art. Examples from literature, music, and the visual arts. *One semester; three credits*

### **PHIL 391-396. SPECIAL TOPICS IN ETHICS**

Selected philosophical topics in the area of meta-ethics, normative ethics, or applied ethics; content variable with instructor. Satisfies the moral values General Education Requirement. *One semester; three credits*

### **PHIL 491-496. SPECIAL TOPICS IN PHILOSOPHY**

Selected philosophical topics; content variable with instructor. *One semester each; one to three credits each*

### **PHIL 499. SENIOR SEMINAR**

The seminar, for Religion and Philosophy majors in their Senior year, includes an independent study project on a topic related to their previous years of study toward the major. *One semester; three credits*

## **PHYSICAL EDUCATION COURSE**

### **PE 201. RHYTHMIC ACTIVITIES AND GAMES**

Activities and games designed for teaching of elementary students. Offered in the Spring semester. *One semester; two credits*

## **PHYSICS COURSES**

*Requirements for the degree are found on Page 107.*

### **PHYS 150. PHYSICS I**

A beginning course in physics covering the topics of kinematics, dynamics, gravitation, work, energy, momentum, rotational kinematics and dynamics. Prerequisite: MATH 131. Corequisite: PHYS 150L. Offered in the Fall and Spring. *One semester; three credits*

### **PHYS 150L. PHYSICS I LABORATORY**

Laboratory to accompany PHYS 150. Corequisite: PHYS 150. Offered in the Fall and Spring. *One semester; one credit*

### **PHYS 201. INTRODUCTORY PHYSICS I**

A general physics course covering the topics of mechanics, heat, and sound. Designed primar-

ily for biology majors. Prerequisite: High school algebra and trigonometry or MATH 117. Corequisite: PHYS 201L. Offered in the Fall semester. A student can receive credit for only one of PHYS 150 and PHYS 201. *One semester; three credits*

### **PHYS 201L. INTRODUCTORY PHYSICS I LABORATORY**

Laboratory to accompany PHYS 201. Corequisite: PHYS 201. Offered in the Fall semester. *One semester; one credit*

### **PHYS 202. INTRODUCTORY PHYSICS II**

A continuation of PHYS 201 covering the topics of electricity and magnetism, light, and modern physics. Prerequisite: PHYS 201. Corequisite: PHYS 202L. Offered in the Spring semester. *One semester; three credits*

### **PHYS 202L. INTRODUCTORY PHYSICS II LABORATORY**

Laboratory to accompany PHYS 202. Corequisite: PHYS 202. Offered in the Spring semester. *One semester; one credit*

### **PHYS 251. PHYSICS II**

A second course in physics covering electric forces, electric fields, voltage, capacitance, current, resistance, magnetic forces, magnetic fields, induction, oscillations, and waves. Prerequisite: PHYS 150. Corequisite: PHYS 251L. Offered in the Fall and Spring. *One semester; three credits*

### **PHYS 251L. PHYSICS II LABORATORY**

Laboratory to accompany PHYS 251. Corequisite: PHYS 251. Offered in the Fall and Spring. *One semester; one credit*

### **PHYS 252. PHYSICS III**

A third course in physics covering geometrical optics, interference, diffraction, quantum theory, waves and particles, atomic physics, special relativity, radioactivity, and nuclear physics. Prerequisite: PHYS 251. Offered in the Fall and Spring. *One semester; three credits*

### **PHYS 252L. PHYSICS III LABORATORY**

Laboratory to accompany PHYS 252. Prerequisite or corequisite: PHYS 252. Offered once per year. *One semester; one credit*

### **PHYS 337. ELECTRICITY AND MAGNETISM**

(Same as ECE 406) Offered in the Fall semester. *One semester; four credits*

### **PHYS 347. SPECIAL RELATIVITY**

A study of the theory of special relativity including the experimental background of special relativity, relativistic kinematics including the doppler effect, and relativistic dynamics including the equation  $E=mc^2$ . Prerequisite: PHYS 252. Offered once every two years. *One semester; one credit*

### **PHYS 353. SOLID STATE PHYSICS**

An introductory study of the physics of solids including crystal lattice vibrations and waves, the free electron model, electron energy bands, semiconductor electrical properties, junctions, and optical properties. Prerequisites: PHYS 252 and MATH 232. Offered in the Fall semester. *One semester; three credits*

### **PHYS 380. ADVANCED MECHANICS**

Primarily an advanced study of the kinetics and dynamics of single particles; Newton's laws; concepts of momentum, work, energy; and conservation principles. Prerequisites: PHYS 251 and MATH 232. Offered in the Fall semester of odd numbered years. *One semester; three credits*

**PHYS 400. INTERNSHIP IN PHYSICS**

Students majoring in physics, engineering physics, or natural science receive on-the-job training in the offices or laboratories of cooperating firms. To receive credit, the student must submit periodic reports and a detailed final report of the work done. The authorized supervisor of the firm must verify these reports. Prerequisites: Junior standing and approval of the Physics faculty. *Pass/Fail Grading. One semester; one to three credits*

**PHYS 415. PHYSICAL OPTICS I**

A study of electromagnetic radiation, with emphasis on the visible portion of the spectrum, based primarily on the wave model of radiation. Topics include a review of elementary concepts in geometrical optics, detectors, superposition of waves, interference, holography, far-field diffraction, polarization, and laser theory. Prerequisites: PHYS 252 and MATH 232. Offered in the Fall semester of even numbered years. *One semester; three credits*

**PHYS 415L. PHYSICAL OPTICS I LABORATORY**

Laboratory to accompany PHYS 415. Corequisite: PHYS 415. Offered in the Fall semester of even numbered years. *One semester; one credit*

**PHYS 416. PHYSICAL OPTICS II**

A continuation of the study of electromagnetic radiation including topics such as laser and laser beam properties, near-field diffraction, waveguides and fiber optics, Fourier optics, and nonlinear optics. Prerequisite: PHYS 415. Offered in the Spring semester of odd numbered years. *One semester; three credits*

**PHYS 416L. PHYSICAL OPTICS II LAB**

Laboratory to accompany PHYS 416. Prerequisite: PHYS 415L. Corequisite: PHYS 416. Offered in the Spring semester of odd numbered years. *One semester; one credit*

**PHYS 447. MODERN PHYSICS**

A detailed introduction to quantum mechanics including black body radiation, the photoelectric effect, DeBroglie's postulate, the Bohr model of the atom, Schrodinger's equation, one-electron atoms, spin and transition rates. Prerequisites: PHYS 252 and MATH 232. Offered in the Fall semester of odd numbered years. *One semester; three credits*

**PHYS 452. ADVANCED PHYSICS LABORATORY**

A laboratory course in advanced selected experiments. A written report on each experiment plus an oral report to the class and the departmental faculty on one of the experiments is required. Prerequisites: PHYS 380 and PHYS 447. Offered in the Spring semester. *One semester; one credit*

**PHYS 460. THEORETICAL PHYSICS**

A continuation of the study of Advanced Mechanics and of Modern Physics. Topics include the study of accelerated reference frames, Lagrangian and Hamiltonian mechanics, operator theory, perturbation theory, and different distribution functions. Prerequisites: PHYS 380, 447. Offered in the Spring semester of even numbered years. *One semester; three credits*

**PHYS 491. RESEARCH I**

An independent investigation in some field of physics. A choice of topic for research is made, and a written description of the proposed research including bibliographical references is required. Prerequisite: Departmental approval or Senior standing. Offered in the Fall semester. *One semester; zero credit*

**PHYS 492. RESEARCH II**

The research proposed in PHYS 491 is carried out. A formal written report plus an oral

presentation to the class and the departmental faculty is required. Prerequisite: PHYS 491. Offered in the Spring semester. *One semester; two credits*

### **PHYS 495. SPECIAL TOPICS IN PHYSICS**

Directed work on a special topic in physics approved by the department. Up to three hours credit. *One semester; one to three credit*

### **PHYS 499. SENIOR COMPREHENSIVES**

Second semester seniors are required to take a comprehensive examination on selected fields of physics as prepared and administered by the department faculty. A passing score is required for graduation. Offered in the Spring semester. *One semester; zero credit*

## **POLITICAL SCIENCE COURSES**

### **POLS 112. AMERICAN GOVERNMENT**

A survey of the American political system, including constitutionalism; federalism; the legislative, executive, and judicial branches of government; political dynamics; civil liberties and rights; and public policy. Offered in the Fall and Spring. *One semester; three credits*

### **POLS 113. WORLD POLITICS**

A survey of the basic concepts and theories in political science; the formation of nation-states; political attitudes and ideologies; comparative political systems and governments; political participation; organizations, and policies; comparative political institutions; international relations, law, conflict, order, and organizations. Offered in the Fall and Spring. *One semester; three credits*

*UPPER DIVISION COURSES ARE OPEN TO STUDENTS WHO HAVE SOPHOMORE STANDING AND MEET SPECIFIC COURSE PREREQUISITES, IF ANY.*

### **POLS 320. POLITICAL IDEAS**

Theories of the origin of the state and political ideologies, including Nationalism, Democracy, Democratic Socialism, Anarchism, Classical Liberalism and Conservatism, Authoritarianism, Totalitarianism, Marxism, Leninism, Maoism, Fascism, National Socialism, race, gender, and third-world ideologies. Prerequisite: POLS 113 or permission of the instructor. *One semester; three credits*

### **POLS 340. NAZI GERMANY**

(Same as HIST 340) Prerequisites: HIST 104, POLS 113, 320, or permission of the instructor. *One semester; three credits*

### **POLS 360. AMERICAN POLITICAL THOUGHT**

From the Colonial Period to the present with emphasis on the European origins, the American Revolution, the Constitution, the slavery issue, 20th Century reform, and contemporary liberal and conservative ideas and movements. Prerequisite: POLS 112 or HIST151 or permission of instructor. (Same as HIST 360) Offered in the Fall semester. *One semester; three credits*

### **POLS 401. U.S. CONSTITUTIONAL LAW**

An examination of the structure of U.S. government and the limits on governmental power through detailed analysis of the U.S. Constitution and Supreme Court decisions interpreting it. The course will also examine the appropriate scope of judicial review in a democratic society. Prerequisite: POLS 112 or HIST 151 or permission of the department head. *One semester; three credits*

**POLS 470-479. TOPICS IN POLITICAL SCIENCE**

Topics vary with instructor. Prerequisite: Permission of instructor. *One semester each; one to three credits each*

**POLS 480-489. TOPICS IN LAW**

Topics vary with instructors, e.g. Criminal Justice, Legal Research, etc. Prerequisite: Permission of the department head. *One semester each; one to three credits each*

**POL 490-499. INTERNSHIPS**

Content varies with specific internship program. Prerequisite: Permission of Political Science Internship Director. *One semester each; one to three credits.*

**PSYCHOLOGY COURSES**

*Requirements for the degree are found on Page 52.*

**PSYC 105. GENERAL PSYCHOLOGY**

An introduction to the discipline of psychology as a science of behavior. Areas of study include biological aspects of psychology, learning, sensation, perception, personality, abnormal behavior, psychological testing and research, social and developmental psychology. Psychology majors must earn a letter grade of "C" or better in this course. *One semester; three credits*

**PSYC 106. FRESHMAN SEMINAR**

An introduction to the psychology major, this course will focus on how to make the most of a psychology degree. Topics will include careers, skill development, resumes, research, graduate school, internships, and options within the major. Students will meet once a week for eight weeks. Each session will be led by a Behavioral Sciences faculty member. Offered in the Spring semester. *One semester; three credits*

**PSYC 218. HUMAN DEVELOPMENT**

An examination of developmental trends, principles, and processes through the lifespan. This course investigates human development at all stages and ages with attention to biological, social, and cognitive development. Prerequisite: PSYC 105. *One semester; three credits*

**PSYC 219. PERSONALITY**

A survey of major personality theories in terms of conceptions, applications, and research. Emphasis is placed on the psychodynamic, dispositional, and humanistic approaches. Prerequisite: PSYC 105. *One semester; three credits*

**PSYC 225. BIOLOGICAL PSYCHOLOGY**

Views the study of human and animal behavior within the context of biological principles. Areas covered include brain-behavior relationships, sensory processes, and biological bases for emotional behavior, sexual behavior, and psychological disorders. Prerequisite: PSYC 105. *One semester; three credits*

**PSYC 226. PSYCHOLOGY IN THE CINEMA**

This course will focus on the psychology of movies with an emphasis on the psychology of movie viewers. The course will consider movie viewing as a collective experience, the use of psychological techniques in movie-making, and the influential role of movies in society. The class will do an in-depth analysis of several movies that deal with psychological concepts. Prerequisite: PSYC 105. *One semester; three credits*

**PSYC 227. SPORT PSYCHOLOGY**

Examines psychological theories and research related to sport and exercise behavior. The course

is designed to introduce students to the field of sport and exercise psychology and to provide an overview of basic research and practical implementations in this applied specialization of psychology. Prerequisite: PSYC 105. *One semester; three credits*

### **PSYC 228. REALITY, FANTASY, AND MEDIA**

This course investigates the media construction of reality by examining media representations such as mental illness, women, the elderly, fandom. Students examine how reality is created from a cognitive psychological and social-cognitive approach, constructive memory, inference-making, advertising, priming, perspective. Prerequisite: PSYC 105 or special permission of the instructor. (Same as SOC 228) *One semester; three credits*

### **PSYC 229. HONORS REALITY, FANTASY, AND MEDIA**

This course investigates the media construction of reality by examining media representations such as mental illness, women, the elderly, fandom. Students examine how reality is created from a cognitive psychological and social-cognitive approach, constructive memory, inference-making, advertising, priming, perspective. Prerequisite: Membership in the Honors Program, PSYC 105, or special permission of the instructor. (Same as SOC 228) *One semester; three credits*

### **PSYC 230. PSYCHOPATHOLOGY (Formerly PSYC 220)**

A survey of various types of mental disorders including their causes, symptoms, diagnosis, and treatment. Emphasis is placed on anxiety, sexual, dissociative, personality, cognitive and mood disorders, and schizophrenia. Prerequisite: PSYC 105. *One semester; three credits*

### **PSYC 231. HONORS PSYCHOPATHOLOGY**

This course will critically examine current and historical view of mental illness. Emphasis will be placed on understanding the social stigma of mental illness and placing mental illness in economic, historical, and socio-political frameworks. Prerequisite: Membership in the Honors Program. *One semester; three credits*

### **PSYC 235. FUNDAMENTALS OF APA WRITING STYLE AND ETHICS**

Students will learn to write an APA-style research paper. They will write an APA-style Research proposal with the potential of completing the research in either the Statistical And Research Methods or Experimental Research courses. Students will also learn other Research reporting methods including Power Point and poster presentations. Students will complete certification in APA ethics. Required for all Psychology and Applied Psychology majors. Open to other students by instructor permission only. *One semester; three credits*

### **PSYC 240. ANIMAL COGNITION**

A study of the mental processes of animals with a comparative emphasis on human-animal cognitive processes viewed within an evolutionary context. Topics include language learning and communication, concept formation, problem solving, intelligence, emotion, and construction of artifacts. Similarities in animal-human developmental processes will be examined as well as current research on animal cognition. Prerequisite: PSYC 105. *One semester; three credits*

### **PSYC 245. CHILD SEXUAL ABUSE**

(Same as CJ 245 and SOC 245) *One semester; three credits*

### **PSYC 250. SERIAL KILLERS**

(Same as CJ 250 and SOC 250) *One semester; three credits*

### **PSYC 270. DYNAMICS OF GENDER**

This class will critically examine how norms, beliefs, ideologies, language, culture and institu-

tions influence gender behavior, traditional conceptions of masculinity and femininity, and socialization for masculine and feminine roles. (Same as SOC 270) Prerequisite: PSYC 105 or SOC 101. *One semester; three credits*

### **PSYC 275. GRADUATE SCHOOL AND PROFESSIONAL CAREERS IN PSYCHOLOGY**

A survey of various professional careers in psychology and a thorough examination of the graduate school application and admissions process. Careers examined may include but are not limited to clinical/counseling, forensic, consumer, sports, educational, industrial/ organizational, and academics. This course is intended primarily for those students who plan to pursue a graduate education in psychology. Prerequisite: Sophomore standing. *One semester; three credits*

### **PSYC 280-287. SELECTED TOPICS IN PSYCHOLOGY**

Directed work on a special topic or project in psychology. *One semester; one to three credits*

### **PSYC 290-299. HONORS SPECIAL TOPICS**

Special topics in psychology open to members of the Honors Program or by permission of instructor. *One semester; one to four credits*

### **PSYC 300. DYNAMICS OF DEPRESSION**

Understanding depression involves learning how it can affect daily experiences and the very course of people's lives. This course will investigate biological factors and predispositions, the relationship of depression to other disorders, mechanisms of antidepressant drugs, and coping and treatment strategies. Prerequisite: PSYC 105. *One semester; three credits*

### **PSYC 301. ENGINEERING PSYCHOLOGY**

Engineering psychology, also called human factors, ergonomics or usability engineering, deals with the importance of designing for human use. Equipment that is not ergonomically sound will be operated a little more slowly and be a little more prone to error. There are certain basic limitations to human performance. Our goal in this class is to provide a solid foundation in the principles of human performance and a broad overview of the field of human factors. This class provides the student with an understanding of the variables that influence human performance and the ways in which the human factors expert draws on this knowledge. The organization of the class is based on viewing the human as an information-processing system. The information-processing approach provides a common referent for studying both humans and machines. Human factors research and design decisions must be based on a thorough understanding of basic principles of human performance. The theoretical analysis of human performance requires frequent contact with real-world situations in which people actually perform. This course provides an integrated approach to the study of human factors, embedding the principles of human factors within a foundation based on contemporary views of human performance. Topics include the following: perception, cognition, movement, and environment. Prerequisite: PSYC 105. *One semester; three credits*

### **PSYC 302. HONORS DYNAMICS OF DEPRESSION**

Understanding depression involves learning how it can affect daily experiences and the very course of people's lives. This course will investigate biological factors and predispositions, the relationship of depression to other disorders, mechanisms of antidepressant drugs, and coping and treatment strategies. Prerequisites: PSYC 105 and Membership in the Honors Program. *One semester; three credits*

### **PSYC 310. DEATH AND DYING**

A course considering relevant topics relating to death and the dying process from a multidisciplinary perspective. Course content includes the meaning of death, the dying process in

historical context and in contemporary culture, bereavement, grief, and mourning, approaches to terminal care, death and childhood, violent death, suicide, death industries, the right to die, and surviving death. (Same as SOC 310) *One semester; three credits*

### **PSYC 315. EDUCATIONAL PSYCHOLOGY**

This course focuses on the application of psychology to the school setting. It is intended to assist students in mastering an organized sampling of scientific knowledge about human development, learning, motivation, individual differences, and evaluation. *One semester; three credits*

### **PSYC 320. HONORS SEMINAR DEATH AND DYING**

This seminar focuses on critically examining and understanding death, the dying process, grief, the ethics of life/death, and a variety of related issues. It integrates a number of multidisciplinary perspectives and resources, emphasizes the exercise of critical thinking and implements the philosophy of writing as an integral means of learning. Prerequisite: Membership in the Honors Program or special permission of the instructor. (Same as SOC 320) *One semester; three credits*

### **PSYC 325. TOPICS IN AGING**

This course focuses on the following issues in aging: the impact of aging on the individual, the family, and society; the quality of later life; societal attitudes toward old age; problems and potentials of aging; retirement; living environments in later life; societal policies, programs and services for older Americans. The diversity in the aging process due to differences in gender, race, and social class is emphasized. (Same as SOC 325) Prerequisite: PSYC 105 or SOC 101. *One semester; three credits*

### **PSYC 340. FUNDAMENTALS OF COUNSELING**

This course presents counseling in a broad manner covering its history, theories, processes, issues, specialties, and trends. In addition, this course concentrates on the importance of the personhood of counselors and of the multicultural, ethical, and legal environments in which counselors operate. Prerequisites: PSYC 219, 230. *One semester; three credits*

### **PSYC 343. APPLIED CRISIS INTERVENTION STRATEGIES**

(Same as CJ 343). *One semester; three credits*

### **PSYC 345. HUMAN SEXUALITY**

A survey study of topics in human sexuality. Topics included are basic reproductive anatomy, hormonal influences on behaviors, attraction, relationships, sexual variations, birth control, and sexually transmitted diseases. Self-assessment surveys on sexual attitudes are discussed in class. (Same as SOC 345) Prerequisite: PSYC 105. *One semester; three credits*

### **PSYC 351. ADOLESCENT PSYCHOLOGY (Formerly PSYC 350)**

This course is an exploration of theory and research relevant to the physical, psychological, and social transitions associated with early, middle, and late adolescence. Developmental issues examined include the formulation of identity establishing autonomy, moral development, social interaction, and the transformations associated with puberty, as well as the identification and understanding of problems and psychopathology in adolescence. Prerequisite: PSYC 105. *One semester; three credits*

### **PSYC 352. INDUSTRIAL AND ORGANIZATIONAL PSYCHOLOGY**

This course examines the contributions of psychology to effective human resources develop-

ment and management. The course content is designed for Psychology and Business majors and focuses on the practical applications of psychology in the business world. Topics include the psychology of organizations, motivations and supervision, employee selection and development, legal considerations, evaluation, and organizational development. Prerequisite: PSYC 105. (Same as MGMT 352) *One semester; three credits*

### **PSYC 353. SOCIAL PSYCHOLOGY**

A study of the social-psychological aspects of human interactions. Areas of study include: affiliation, social perception, attribution processes, interpersonal attraction, aggression, attitude formation, attitude change, conformity, compliance, cooperation, competition, group structure, and group dynamics. (Same as SOC 353) Prerequisite: PSYC 105 or SOC 101. *One semester; three credits*

### **PSYC 354. CORRELATIONAL RESEARCH METHODS**

An introduction to the fundamentals of research methods and statistical analysis in the Behavioral Sciences. Students will learn and apply basics of research methodology and basic statistical techniques. Students will conduct a research project. Psychology and Applied Psychology majors must complete the course with a grade of "C" or better. Prerequisite: ITM 153 and PSYC 235. Required for all Psychology and Applied Psychology majors. Open to other students by instructor permission only. *One semester; three credits*

### **PSYC 355. EXPERIMENTAL METHODS AND STATISTICS FOR BEHAVIORAL SCIENCES**

An introduction to basic experimental research design and related statistical analyses. Students will be required to design and conduct an experimental research project which will be presented to other students and faculty. Prerequisite: PSYC 354. Required for all Psychology majors. Open to other students by instructor permission only. *One semester; three credits*

### **PSYC 360, 361. STATISTICAL AND RESEARCH METHODS IN THE BEHAVIORAL SCIENCES** (Formerly PSYC 356)

An introduction to the fundamentals of research methods and statistical analysis in the behavioral sciences. Students will learn and apply basics of research methodology and basic statistical techniques. Students will learn how to write a research manuscript and will conduct a research project. Psychology majors must complete each course with a grade of "C" or better. Prerequisite: ITM 153. PSYC 360 is a prerequisite or corequisite for PSYC 361. *One semester; two credits each*

### **PSYC 362, 363. EXPERIMENTAL RESEARCH IN PSYCHOLOGY** (Formerly PSYC 358)

An introduction to basic experimental research design and related statistical analyses. Students will be required to design and conduct an experimental research project which will be presented to other students and faculty. Prerequisites: PSYC 360, 361. PSYC 362 is a prerequisite or a corequisite for PSYC 363. *One semester; two credits each*

### **PSYC 365. DEVIANT BEHAVIOR**

(Same as CJ 365 and SOC 365) *One semester; three credits*

### **PSYC 370. APPLICATIONS OF MEMORY**

(Same as CJ 370 and SOC 370) *One semester; three credits*

**PSYC 380-387. SELECTED TOPICS IN PSYCHOLOGY**

Directed work on a special topic or project in psychology. *One semester; one to three credits*

**PSYC 390. HISTORY OF WOMEN IN PSYCHOLOGY**

This course examines the history of women psychologists from the field's inception in the 19th century to the present. Contributions of women to the field of psychology will be discussed as well as the cultural, educational and economic barriers faced throughout the field's history. *One semester; three credits*

**PSYC 393. HISTORY AND SYSTEMS OF PSYCHOLOGY**

This course deals with the history of ideas that laid the foundation for the present science of psychology. Emphasis is placed on the origins of modern and contemporary psychology within the context of nineteenth and twentieth century thought. The philosophical origins of the study of psychology are also explored. Prerequisite: 15 completed hours of psychology. *One semester; three credits*

**PSYC 416. PSYCHOLOGY OF LEARNING**

An in-depth examination of concepts, theoretical issues, and research findings involving the psychology of learning. Areas of study include classical and instrumental conditioning, principles of reinforcement and punishment, and other factors affecting learning. Prerequisite: PSYC 105. *One semester; three credits*

**PSYC 440. COGNITIVE PSYCHOLOGY**

This course is designed to investigate the nature of the thinking mind. Cognitive psychology involves understanding how we gain information of the world, how it is transformed into knowledge, stored in memory, and accessed when needed. Prerequisite: PSYC 105. *One semester; three credits*

**PSYC 450, 451. INDEPENDENT RESEARCH IN BEHAVIORAL SCIENCES**

These courses are a two semester sequence intended for advanced (junior level status or higher) students who wish additional experience in research design and statistical analysis. In PSYC 450 the student will investigate in depth a specialized topic in psychology or sociology resulting in a proposal that will include a literature review, hypotheses and proposed research design. In PSYC 451 the student will further investigate the topic by engaging in empirical research that is then analyzed, interpreted, and presented in a manuscript. These courses are recommended for students intending to continue their education in a graduate program. Prerequisites: PSYC 362, 363 and Permission from the chair of behavioral sciences. *Two semesters; two credits each*

**PSYC 455. CORRECTIONAL COUNSELING**

(Same as CJ 455) *One semester; three credits*

**PSYC 460. PRACTICUM IN PSYCHOLOGY**

The practicum offered for majors with senior status includes several options. The first is a formal internship consisting of 100 hours of professional in-field experience. It is a well-structured program in which students will be required to meet a number of objectives related to their goals, their developing competence, and their interests in psychology and related fields. A 2.5 GPA is required to pursue this option. The second option involves a research assistantship in which seniors will assist practicing graduate-level and professional-level researchers in conducting their projects. Sound performance in the statistics and research courses is a prerequisite for this option. A third option involves the opportunity to be a teaching assistant to a full-time faculty member. This option may be particularly valuable to students

seeking careers in academic fields. The guidelines and requirements for this option have been developed and will be made available to interested students upon request. A final option is an individually-designed project suited to the needs, interests, and academic strengths of the student. The project will be conducted under the direction of a full-time faculty member. Guidelines for the formal proposals are available. Plans for any of these options should be developed and approved the semester before the course is taken. Prerequisite: Senior standing. *One semester; three credits*

### **PSYC 480-487. ADVANCED TOPICS IN PSYCHOLOGY**

Directed work on a special topic or project in psychology. *One semester; one to three credits*

### **PSYC 497. PSYCHOLOGY COMPREHENSIVES**

Seniors will be required to take a comprehensive examination on selected areas of psychology. Offered in the Spring semester. *Pass/Fail Grading. One semester; zero credit*

### **PSYC 499. ADVANCED INTERNSHIP**

This course is intended for students who have completed the requirements for PSYC 460 at an exemplary level and either (a) wish to pursue further opportunities or directed field research at their original field placement or (b) wish to pursue an additional field placement consistent with the goals of the internship program and the developing interests of the students. Permission of the Internship Director is required. *One semester; three credits*

## **RELIGIOUS STUDIES COURSES**

*Requirements for the Religion and Philosophy degree are found on Page 53.*

Students are required to take one course at the 200 level before taking courses at the 300 level or above.

### **RS 200. UNDERSTANDING RELIGION**

An inquiry into the nature of religious experience guided by the observation that the religious consciousness of individuals and cultures is reflected in story, myth, and symbol. Questions of meaning and value will be raised and examined. This course culminates with the student describing his/her own religious journey in a term paper. *One semester; three credits*

### **RS 217. OLD TESTAMENT (HEBREW SCRIPTURES)**

Using the Old Testament as a text and a guide, the course explores the origins and early history of the Jewish people to the destruction of the Second Temple (70 C.E.) and encompasses concepts such as Covenant, Prophecy, Messiah. *One semester; three credits*

### **RS 218. NEW TESTAMENT**

A discussion of the Christian scriptures from literary, historical, and theological points of view concentrating on the life and teachings of Christ and the spread of Christianity after His death and resurrection. Offered in the Fall semester. *One semester; three credits*

### **RS 220. CLASSICAL CHRISTIAN THOUGHT (Formerly RS 222)**

An examination of major themes and issues in Christian theology from the time of the early Church through the Reformation. Major theologians such as Augustine, Aquinas, Luther, and Calvin will be studied among others. *One semester; three credits*

### **RS 221. MODERN CHRISTIAN THOUGHT**

An examination of major themes and issues in Christian theology after the Reformation to the early twentieth century. The focus will be on responses within Christian theology to modern