

- 1020. WORLD RELIGIONS.** (3-3-0). Doctrines, philosophies, and rituals of Hinduism, Buddhism, Taoism, Confucianism, Shinto, Judaism, Christianity, and Islam.
- 2020. ETHICS.** (3-3-0). Comparison and contrast of leading ethical theories and their relation to practical morality.
- 2030. LOGIC.** (3-3-0). Standards of reasoning, inductive and deductive, which allow well-ordered schemes of knowledge in the various sciences.
- 4030. AESTHETICS.** (3-3-0). Philosophy of aesthetic experience; relation between integrity in self and in art; exploration of boundaries of art and science. Prerequisite: Three hours of philosophy or consent of instructor.
- 4060. BASIC PROBLEMS IN PHILOSOPHY.** (3-3-0). Directed study and research on special topics in philosophy; selected philosophers and areas of specialization in philosophy. Prerequisite: Six semester hours of philosophy.

PHYSICS (PHYS)

For Undergraduates Only

- 1010. PHYSICS ORIENTATION.** (1-1-0). Specific information concerning scholastic resources, study skills, academic requirements, academic and intellectual content, job opportunities, academic advising, scholarship, and employment opportunities.
- 1120. ASTRONOMY.** (3-3-0). Celestial mechanics; gravitation and Kepler's Law; solar system; stars. Prerequisite: Six hours of science.
- 2030. GENERAL PHYSICS.** (3-3-0). Fundamental laws of mechanics, heat and sound. Prerequisites: Registration in or credit for 2031; Mathematics 1090.
- 2031. GENERAL PHYSICS LABORATORY.** (1-0-3). Prerequisite: registration in or credit for 2030.
- 2040. GENERAL PHYSICS.** (3-3-0). Fundamental laws of electricity, magnetism, and optics; introductory atomic and nuclear physics. Prerequisites: Registration in or credit for 2041, 2030-2031.
- 2041. GENERAL PHYSICS LABORATORY.** (1-0-3). Prerequisite: Registration in or credit for 2040.
- 2200. PRACTICUM FOR PHYSICS TEACHING.** (1 to 3-0-0). Supervised experiences in teaching the physics laboratory. Required for secondary education majors with physics as a primary or secondary teaching area and recommended for physics majors contemplating a teaching career. One hour credit for each laboratory teaching experience. Field experiences required. May be repeated for up to a total of 3 credit hours. Prerequisite: Consent of department head.
- 2510. GENERAL ANALYTICAL PHYSICS.** (4-4-0). Fundamental laws of mechanics, wave motion, heat and thermodynamics using differential and integral calculus. Prerequisites: Registration in or credit for 2511; Mathematics 2100.
- 2511. GENERAL ANALYTICAL PHYSICS LABORATORY.** (1-0-3). Prerequisite: Registration in or credit for 2510.
- 2520. GENERAL ANALYTICAL PHYSICS.** (4-4-0). Continuation of 2510. Electricity, magnetism, optics, atomic and nuclear physics. Prerequisites: Registration in or credit for 2521; 2510-2511.
- 2521. GENERAL ANALYTICAL PHYSICS LABORATORY.** (1-0-3). Prerequisite: Registration or credit for 2520.
- 3010. ELECTRONICS.** (3-3-0). Basic electronics for scientists; DC and AC circuits; network theorems; basic electron tube circuits; basics of transistors; instrumentation. Prerequisite: 2520-2521 or 2040-2041.
- 3011. ELECTRONICS LABORATORY.** (1-0-3). Prerequisite: Registration in or credit for 3010.
- 3120. INTRODUCTION TO ASTROPHYSICS.** (3-3-0). Celestial mechanics, stellar structure, and galactic phenomena. Prerequisites: Two semesters of general physics, and Mathematics 2100.
- 3291. ADVANCED LABORATORY I.** (3-0-6). Mechanics, electrical measurements, heat, physical optics, atomic physics, nuclear physics. Prerequisites: 2520-2521; Mathematics 2110.
- 3301. ADVANCED LABORATORY II.** (3-0-6). Continuation of 3291. May be taken independently.
- 3400. MINICOMPUTER INTERFACING WITH SCIENTIFIC INSTRUMENTATION.** (3-3-0). Practical course dealing with the use of minicomputers in real-time data acquisition and control of scientific instruments. Prerequisite: A basic computer course or consent of instructor. (Same as Chemistry 3400.)
- 3710. THERMODYNAMICS.** (3-3-0). Laws of thermodynamics, kinetic theory of gases, transport properties, elements of statistical mechanics. Prerequisites: 2520-2521; Mathematics 2110.
- 3900. SPECIAL TOPICS IN PHYSICS.** (1 to 3-1 to 3-0). In depth study of various upper-level elective topics in physics; in particular, those not included explicitly among the catalog listings. Prerequisites: Two semesters of general physics, Mathematics 2100 or consent of instructor.
- 4100. MODERN PHYSICS.** (3-3-0). Topics in special theory of relativity, wave and particle description of matter, atomic, and nuclear physics. Prerequisites: Two semesters of general physics; Mathematics 2100.
- 4510. MECHANICS.** (4-4-0). Dynamics of a particle in one, two, and three dimensions; damped oscillator with arbitrary forcing; two-body problem; many-body problem; rigid body dynamics; small oscillations. Prerequisites: 2520-2521; credit for or registration in Mathematics 3130.
- 4900. UNDERGRADUATE SEMINAR.** (1-1-0). Student must present a seminar on a topic in physics approved by the instructor. No more than 2 hours may count toward the baccalaureate degree.
- 4920. INDIVIDUAL STUDY.** (2-0-6). Study in experimental or theoretical physics under supervision of a faculty member. Open to juniors and seniors; may be repeated any number of times; not more than four hours may be applied toward graduation. Prerequisite: Consent of department head.
- 4950. RESEARCH PROBLEMS.** (1 to 4-0-4). Individual research on problems not ordinarily included within the scope of regularly scheduled courses. Prerequisite: Consent of department head.
- 4980. SENIOR THESIS.** (2-0-6). Investigation of a problem in experimental or theoretical physics under supervision of a faculty member; results presented in formal report at scientific meeting or seminar. May be repeated any number of times. Prerequisite: Consent of department head.

For Graduates Only

- 5000. GENERAL PHYSICS PRINCIPLES FOR TEACHERS.** (3-3-0). Principles of physics with emphasis on fundamental results and pedagogy. For teachers who need an overview of the basic ideas regarding forces, motion, conservation, and wave-particle duality.
- 5010. PHYSICS FOR SECONDARY TEACHERS.** (3-3-0). Principles of physics with application to secondary school physics. Current trends and literature in physics. Prerequisite: Twelve hours of physics.
- 5020. EXPERIMENTAL PHYSICS FOR TEACHERS.** (3-1-3). Development of laboratory techniques useful for a modern secondary laboratory in an internship setting. Design and implementation of original pedagogical experiments. Survey of laboratory experiments and demonstrations.
- 5090. PHYSICAL SCIENCE FOR ELEMENTARY AND SECONDARY TEACHERS.** (3-3-0). Teaching basic principles of physical science at the elementary and secondary level employing the inquiry method.

5950. RESEARCH PROBLEMS IN PHYSICS. (1 to 6-0-0). Introduction to research and physics literature; investigation of an elementary research problem; laboratory and conferences as required. Results presented both in formal written report and orally, either in a departmental seminar or at a professional meeting. Prerequisite: Consent of department head.

¹ Credit may not be obtained in both Chemistry 5090 and Physics 5090.

POLITICAL SCIENCE (PSCI)

For Undergraduates Only

- 2010. GOVERNMENT OF THE UNITED STATES.** (3-3-0). Federal government in the U.S.; government machinery and present tendencies toward modification; political parties and party governments.
- 2020. STATE AND URBAN GOVERNMENT.** (3-3-0). State and urban government in the 50 states; southern and Louisiana government and politics.
- 2090. INTRODUCTION TO GLOBAL POLITICS.** (3-3-0). Survey of the fundamental concepts, theories, and research approaches in the study of international relations.
- 3060. PUBLIC ADMINISTRATION.** (3-3-0). Principles and processes of administering public policies; problems of personnel, finance, organization, extent of bureaucratic responsibility. Prerequisite: 2010.
- 3090. CONSTITUTIONAL LAW.** (3-3-0). Major Supreme Court decisions interpreting the U.S. Constitution. Prerequisite: 2010.
- 4010. PARLIAMENTARY GOVERNMENT.** (3-3-0). Principal examples of parliamentary government.
- 4060. INTERNATIONAL LAW.** (3-3-0). Theories and contemporary issues pertaining to international law.
- 4070. INTERNATIONAL ORGANIZATIONS.** (3-3-0). Theories, concepts, and contemporary issues pertaining to international organizations.
- 4080. AMERICAN FOREIGN POLICY.** (3-3-0). Historical and institutional study of post-World War II American Foreign Policy; issues of post-Cold War era.
- 4090. INTERNATIONAL RELATIONS.** (3-3-0). Major theories on international relations; post-World War II and current periods.
- 4150. POLITICAL THEORY.** (3-3-0). Principal developments in political theory from antiquity to the present. Prerequisites: Junior standing or consent of instructor.
- 4390. GLOBALIZATION.** (3-3-0). Technological changes have made it possible to create a world that is increasingly interconnected and aware. This phenomenon has had a multitude of effects on the ideas of sovereignty, nation, state borders, and security. This class will explore those effects and the changing role of state and non-state actors in global security.

PRE-LAW AND PARALEGAL STUDIES (PLPS)

For Undergraduates Only

- 3010. INTRODUCTION TO LAW.** (3-3-0). Development of common and civil law traditions in the U.S.; trends in the legal profession; role of the attorney and paralegal in legal environments.
- 3020. LEGAL RESEARCH.** (3-3-0). Methods and tools of legal research; primary and secondary sources of law.
- 3030. LITIGATION.** (3-3-0). Differences in civil and criminal litigation; preparation and examination of forms and documents relating to litigation; responsibilities and ethics for attorneys and paralegals.

3040. ESTATES, TRUSTS, WILLS. (3-3-0). Study of estate planning tools; preparation of legal documents; responsibilities, ethics, and restrictions for attorneys and paralegals; hearing and trial preparation associated with planning estates and other related matters.

3050. CORPORATIONS. (3-3-0). Preparation of initial and amended articles of incorporation and other documents and transactions pertaining to corporations.

3060. REAL ESTATE AND MORTGAGES. (3-3-0). Preparation and information regarding basic real estate transfers and associated documents; title searches, preparation of preliminary abstracts of titles, and other legal documents; responsibilities of the attorney and paralegal.

3070. FAMILY RELATIONS LAW. (3-3-0). Preparation of documents, knowledge of procedures and other matters related to domestic relations law.

3080. LAW OFFICE ADMINISTRATION. (3-3-0). Approaches to the organization and efficient operation of the law office; responsibilities of the attorney and the paralegal.

PSYCHOLOGY (PSYC)

For Undergraduates Only

1010. GENERAL PSYCHOLOGY. (3-3-0). Principles of psychology; human behavior; shaping of behavior and personality by interaction between individual and environment.

2040. PSYCHOLOGY AS A PROFESSION. (3-3-0). This course focuses on assisting psychology majors with their career planning and professional development issues. Students will be provided information designed to assist in the clarification, selection, and pursuit of academic and career goals in psychology or a related field. Topics will include an overview of the undergraduate curriculum in psychology, career options in psychology, preparation for employment with a bachelor's degree and graduate school, and applying for a job or to a graduate school. Prerequisite: 1010.

2050. DEVELOPMENTAL PSYCHOLOGY. (3-3-0). Physical, mental, social and emotional development of the individual; understanding human dynamics with respect to self and others.

2250. PSYCHOLOGY OF GENDER. (3-3-0). Surveys the psychological and social impact of sex differences, sex roles, and development of gender identity on behavior. Historical antecedents of gender differences, development of gender identity, and sex differences in performance, attribution, achievement, cognition, interpersonal behavior, psychopathology, and therapy response will be examined. Prerequisite: 1010.

2430. INTRODUCTION TO EXPERIMENTAL METHODOLOGY. (3-3-0). Introduction to basic experimental principles and methods of research design in psychology. Report writing in APA style and format. Prerequisite: 1010.

2450. PERSONAL ADJUSTMENT AND DEVELOPMENT. (3-3-0). Understanding and dealing with frustration, adjustment mechanisms, personal motivation, feelings and emotions; interpersonal adjustments; identifying and resolving common problems of conflict and adjustment in stages of life; self-understanding, self-acceptance, and maximum utilization of personal capacities and traits.

3010. PHYSIOLOGICAL PSYCHOLOGY. (3-3-0). Functional organic and biochemical factors as determinants of personality and behavior; emphasis on the nervous and endocrine systems.

3020. EXPERIMENTAL PSYCHOLOGY: LEARNING. (3-3-0). Principles and basic experimental techniques in the study of human and animal learning. Experiments and report writing in APA style and format. Prerequisites: 1010, 2430.

3050. DIVERSITY ISSUES IN PSYCHOLOGY. (3-3-0). Current theory regarding the many types of diversity and relationship to mental health practice. Prerequisite: 1010.