

professions with any undergraduate major, provided they have taken the courses required by the professional schools.

Psychology

CHAIR: YUEPING ZHANG

Psychology is the science of behavior and mental processes. The department's goals are to give students both a strong, scientifically rigorous base in the major subdisciplines of psychology and an exposure to applications of psychology. The curriculum and related activities acquaint students with the conceptual issues, theoretical models, empirical observations, and ethical decisions that form the basis of psychological knowledge. The department strives to develop students' competencies in conducting and evaluating psychological research, and many students have had the opportunity to publish papers and give presentations in conjunction with faculty. In addition, students can gain experience in applied psychology through the internship program.

THE MAJOR PROGRAM

The major begins with the foundation courses: Introduction to Psychology, Statistics I, and Psychology Methodology. Seven other courses, chosen in conference with the major advisor, fulfill the major requirements. Of these seven courses, two are at the intermediate (200) level, one must be an advanced (300-level) psychology lab, and one must be a capstone (400-level) course. The remaining three courses are electives, two of which must be at the advanced or capstone level. Students may arrange to take independent study courses in consultation with the supervising faculty member.

Capstone courses are challenging seminars that offer majors an integrative experience toward the end of their college careers. A capstone course may involve any of the following: integration of various subareas within psychology, integration of psychology and other disciplines, or application of psychological principles and methods to real-world problems and/or basic scientific questions. Capstone courses typically include a major project and in-class presentation.

Transfer students must consult the department chair to determine what courses they need to take to fulfill the major requirements.

MAJOR REQUIREMENTS

A minimum of 40 semester credits (10 courses) in psychology, distributed as follows:

- Program core courses: 100, 200, and 300.
- One course in development, abnormal psychology, or social psychology: 230, 240, or 260.
- One course in cognition or the brain and behavior: 220 or 280.
- One advanced lab: 310, 350, or 355.
- One capstone course: 400, 410, 425, 440, 445, 460, 465, or 490.
- Three elective courses, two of which must be at the 300 level or higher, including a maximum of 4 semester credits for 299 and 499.

INTERNSHIP PROGRAM

The department's active internship program provides supervised experience and training in psychological activities at a variety of social service agencies in Portland and abroad. This field experience provides an important supplement to the student's academic program.

HONORS

At the end of the second semester of the junior year, students may apply to participate in the psychology honors program. Selection is based on an evaluation of academic performance (a GPA of 3.500 in the major and overall) and the

quality of a research proposal prepared in cooperation with a faculty member. Students work closely with a thesis committee. If the resulting honors thesis and its defense are deemed worthy of distinction by the psychology faculty, the student is awarded honors on graduation. Interested students should consult the department chair, a potential faculty sponsor, or both during the junior year. A full description of the application process is available from the department.

RESOURCES FOR NONMAJORS

Introduction to Psychology is a useful course for most Lewis & Clark majors, since very few disciplines can be divorced from an understanding of human behavior. Statistics courses provide useful tools that are recommended by several majors and satisfy the General Education requirement in quantitative reasoning for nonmajors and majors alike. In addition, 200-level courses are open to nonmajors who wish to pursue an interest in psychology beyond the introductory level of Psychology 100. These courses are appropriate for students interested in pursuing careers in education, business, and social services who also wish to have a foundation in the understanding of human learning, thinking, development, social interaction, and psychopathology.

FACULTY

Janet E. Davidson, associate professor. Infant and child development, developmental psychopathology, internships.

Brian Detweiler-Bedell, associate professor. Social psychology, statistics.

Jerusha Detweiler-Bedell, associate professor. Clinical and community psychology, health psychology, psychology of gender, internships.

Jennifer LaBounty, assistant professor. Child, adolescent, and adult development; methodology; internships.

Erik L. Nilsen, associate professor. Cognition, methodology, human-computer interaction.

Thomas J. Schoeneman, professor. Personality, abnormal psychology, internships.

Todd Watson, assistant professor. Cognitive neuroscience, brain and behavior, statistics.

Yueping Zhang, associate professor. Behavioral neuroscience, brain and behavior, drugs and behavior, cross-cultural psychology.

PSY 100 INTRODUCTION TO PSYCHOLOGY

Davidson, J. Detweiler-Bedell, LaBounty, Nilsen, Schoeneman, Zhang

Content: Principles underlying behavioral development and change, physiological processes that mediate psychological functioning, processes of human perception and cognition, approaches to understanding functional and dysfunctional personality characteristics of individuals, counseling and psychotherapy techniques, application of psychological principles to social phenomena.

Prerequisite and/or restriction: None.

Taught: Each semester, 4 semester credits.

PSY 190 CULTURE, FILM, AND PSYCHOLOGY

Zhang

Content: The relationships between culture and human behavior through the lens of film. How cultural forces and transitions shape worldview, individual identity and personality, child development, family structure and dynamics, personal relationships, social perception, other aspects of behavior relevant to psychology. Variety of cultures and cultural influences, theories and methods in cultural psychology, ways in which culture shapes film and film reflects and shapes culture. Does not count toward major.

Prerequisite and/or restriction: None.

Taught: Annual, summer only, 4 semester credits.

PSY 200 STATISTICS I

B. Detweiler-Bedell, Watson

Content: The theory of statistics and designing experiments. Use of distributions, measures of central tendency, variability, correlation, t-tests, simple analysis of variance and nonparametric techniques. Computer applications using SPSS statistical analysis programs and other software.

Prerequisite and/or restriction: Mathematics 055.

Taught: Each semester, 4 semester credits.

PSY 220 THINKING, MEMORY, AND PROBLEM SOLVING

Davidson, Nilsen

Content: Application of cognitive theory to decision making and problem solving. Selective perception, memory, contextual effects on decision making, paradoxes in rationality, biases created from problem-solving heuristics, probability and risk assessment, perception of randomness, attribution of causality, group judgments and decisions.

Prerequisite and/or restriction: Psychology 100.

Taught: Each semester, 4 semester credits.

PSY 230 INFANT AND CHILD DEVELOPMENT

Davidson, LaBounty

Content: Psychological development in domains including perception, cognition, language, personality, social behavior. How psychological processes evolve and change. Emphasis on infancy and childhood.

Prerequisite and/or restriction: Psychology 100.

Taught: Each semester, 4 semester credits.

PSY 240 ABNORMAL PSYCHOLOGY

Schoeneman

Content: Issues in defining abnormality; classification and description of abnormal behaviors; societal reactions to abnormal behavior; theory and research on causes, treatments, and prevention of pathology; major psychopathologies including physical symptoms and stress reactions; anxiety, somatoform, and dissociative disorders; sexual dysfunctions; addictions; sociopathy and other personality disorders; schizophrenia; mood disorders.

Prerequisite and/or restriction: Psychology 100.

Taught: Each semester, 4 semester credits.

PSY 252 INTRODUCTION TO NEUROSCIENCE

Reiness, Watson, Zhang

Content: Study of the biological basis of behavior. Gross anatomy of the brain, structure and function of neurons, synaptic transmission. Exploration of learning and memory, vision, neurological and psychiatric diseases, addiction, and reproductive behavior. Students may not receive credit for both Biology 252 and Psychology 280. Psychology majors may not receive credit for both Psychology 252 and 280.

Prerequisite and/or restriction: Biology 151 and Psychology 100, or one of these and permission of instructor.

Taught: Annually, 4 semester credits.

PSY 260 SOCIAL PSYCHOLOGY

B. Detweiler-Bedell

Content: The effects of social and cognitive processes on the ways individuals perceive, influence, and relate to others. Person perception, the self, prejudice and stereotyping, social identity, attitudes and attitude change, conformity, interpersonal attraction, altruism, aggression, group processes, intergroup conflict.

Prerequisite and/or restriction: Psychology 100.

Taught: Each semester, 4 semester credits.

PSY 280 BRAIN AND BEHAVIOR

Watson, Zhang

Content: How the brain controls and regulates behavior. Basic properties of neurons, neurotransmitters, and the basic anatomy of the nervous system. Emphasis on the brain's role in such functions as sensation, emotion, language, learning and memory, sexual behavior, sleep, motivation. The biological bases of abnormal conditions, such as affective disorders, amnesia, learning disorders.

Prerequisite and/or restriction: Psychology 100. Not open to students with previous credit in Psychology 350 or 355.

Taught: Annually, 4 semester credits.

PSY 299 INDEPENDENT STUDY

Staff

Content: Topics not covered in depth in other department courses, or faculty-supervised research projects. Details determined by the student in conference with the supervising faculty member. First-year or sophomore level.

Prerequisite and/or restriction: Consent of instructor.

Taught: As needed, 1-4 semester credits.

PSY 300 PSYCHOLOGY METHODOLOGY

LaBounty, Nilsen

Content: Research methodologies and experimental design techniques applied to laboratory investigation of psychological phenomena. Data collected from laboratory studies analyzed statistically and reported in technical lab reports.

Prerequisite and/or restriction: Psychology 100 and 200.

Taught: Each semester, 4 semester credits.

PSY 310 COGNITION

Nilsen

Content: Classical and contemporary research topics in cognition. Discussion of scientific methods used to investigate cognition. Emphasis on memory, reasoning, decision making, cognitive science. Laboratory sections supplement lectures and readings with computer-based experiments and demonstrations.

Prerequisite and/or restriction: Psychology 100, 200, 220, and 300.

Taught: Annually, 4 semester credits.

PSY 311 STATISTICS II

B. Detweiler-Bedell

Content: Continuation of Psychology 200; emphasis on theory and experimental design. Variance, covariance, regression analyses, nonparametrics, and exploratory data analyses using the computer as a tool in psychological research (SPSS statistical analysis programs and PC/Mac packages).

Prerequisite and/or restriction: Psychology 100, 200, and 300, or consent of instructor based on statistical experience.

Taught: Alternate years, 4 semester credits.

PSY 330 ADOLESCENT AND ADULT DEVELOPMENT

Davidson, LaBounty

Content: Emerging adulthood and adult development in areas including physiology, perception, cognition, personality, social behavior. How psychological processes evolve and change with age. Emphasis on late adolescence through late adulthood and death.

Prerequisite and/or restriction: Psychology 100, 200, 230, and 300, or consent of instructor.

Taught: Annually, 4 semester credits.

PSY 340 PERSONALITY THEORY

Schoeneman

Content: Theory and research about human nature, individuality, and the causes and meaning of important psychological differences among individuals. Major theories of personality including psychoanalytic, humanistic, trait, social learning, cognitive perspectives; current topics in personality research.

Prerequisite and/or restriction: Psychology 100, 200, and 300, or consent of instructor.

Taught: Annually, 4 semester credits.

PSY 345 OVERSEAS INTERNSHIP

Davidson, J. Detweiler-Bedell, Schneider, Schoeneman

Content: Applied field learning experience and exposure to psychologically oriented occupations in Brisbane, Australia. Building human relations skills; becoming acquainted with important human service institutions and their social impact in an environment of socialized health and human services. Theoretical, cross-cultural, and practical frameworks for interventions.

Prerequisite and/or restriction: Psychology 100, 200, and 300; or Psychology 100 and consent of instructor. Concurrent enrollment in International Studies 240, taught in Australia or England, summers only, or occasionally during semester-long off-campus programs.

Taught: Annually, 4 semester credits. May be taken twice for credit if participating in two programs.

PSY 350 BEHAVIORAL NEUROSCIENCE

Zhang

Content: The relationship between basic psychological processes and underlying functions of the nervous system. Biological bases of sensation, perception, motivation, emotion, learning, memory, psychopathology. Laboratory sections supplement lectures and readings with practical experience in neural anatomy, animal (rat) behavioral testing, and neuropsychological testing.

Prerequisite and/or restriction: Psychology 100, 200, 280, and 300, or consent of instructor.

Taught: Annually, 4 semester credits.

PSY 355 COGNITIVE NEUROSCIENCE

Watson

Content: Foundational and contemporary issues in cognitive neuroscience. Scientific methods used to investigate relationship between brain function and cognition. Emphasis on higher cognitive and emotional function and the neurobehavioral underpinnings of psychopathology. Laboratory sections supplement lecture and reading topics with demonstrations and practice applying cognitive neuroscience research techniques.

Prerequisite and/or restriction: Psychology 100, 200, 220 or 280, and 300, or consent of instructor.

Taught: Annually, 4 semester credits.

PSY 360 PSYCHOLOGY OF GENDER

J. Detweiler-Bedell

Content: Theory and data in the psychological development of females, their attitudes, values, behaviors, and self-image. Alternative models for increasing gender role flexibility and allowing all humans to explore their full potential. Research methodology, changing roles, androgyny, gender schema, extent and validity of gender differences. Influence of culture, socialization, and individual differences on women and men. Relationship between the psychology of gender and principles of feminism.

Prerequisite and/or restriction: Psychology 100, 200, and 300, or consent of instructor.

Taught: Annually, 4 semester credits.

PSY 370 CLINICAL PSYCHOLOGY

J. Detweiler-Bedell

Content: Overview of the science and practice of clinical psychology.

Application of psychological science to psychotherapeutic interventions and clinical assessment. Major theories and techniques of therapeutic assessment and behavior change, including psychodynamic, humanistic, behavioral, cognitive-behavioral, family, group, and time-limited approaches, with emphasis on empirically validated treatments. Logic and methodology of psychotherapy process and outcome research. Ethical issues in therapy and assessment.

Prerequisite and/or restriction: Psychology 100, 200, and 300; Psychology 240; or consent of instructor.

Taught: Alternate years, 4 semester credits.

PSY 375 HEALTH PSYCHOLOGY

J. Detweiler-Bedell

Content: The interactions of psychology and health, including how thoughts, emotions, and behavior influence health and the effects of health on psychological well-being. Emphasis on how psychological, social, and biological factors interact with and determine the success people have in maintaining their health, getting medical treatment, coping with stress and pain, recovering from serious illness.

Prerequisite and/or restriction: Psychology 100, 200, and 300, or consent of instructor.

Taught: Annually, 4 semester credits.

PSY 380 DRUGS AND BEHAVIOR

Zhang

Content: An introduction to the principles of psychopharmacology and the effects of psychoactive substances on behavior. The mechanisms of drug action with an emphasis on how drugs affect the brain. Discussion of the social and political aspects of drug abuse.

Prerequisite and/or restriction: Psychology 100, 200, and 300, or consent of instructor.

Taught: Annually, 4 semester credits.

PSY 390 CROSS-CULTURAL PSYCHOLOGY

Zhang

Content: Relations between culture and human behavior. Examination of topics in psychology from a multicultural, multiethnic perspective, with special emphasis on cultural influence on research methods, self-concept, communication, emotion, social behavior, development, mental health. Cultural variation, how culture shapes human behavior, and psychological theories and practices in different cultures.

Prerequisite and/or restriction: Psychology 100, 200, and 300, or consent of instructor.

Taught: Alternate years, 4 semester credits.

PSY 400 ADVANCED TOPICS IN PSYCHOLOGY

Staff

Content: In-depth study of current issues and topics in psychology. Central theoretical, empirical, practical issues of each topic.

Prerequisite and/or restriction: Psychology 100, 200, and 300, or consent of instructor. Psychology courses appropriate for the topic of study.

Taught: Annually, 4 semester credits. May be taken twice for credit if topics differ.

PSY 410 ADVANCED TOPICS IN NEUROSCIENCE

Watson, Zhang

Content: In-depth discussion of current theoretical, research, and practical issues in neuroscience. Topics may vary by semester and may include the biological basis of behavior, the neural substrates of cognitive processes, and biological basis of psychological disorders. Behavioral, electrophysiological, neuropsychological, and biochemical approaches considered.

Prerequisite and/or restriction: Psychology 100, 200, 220 or 280, and 300, or consent of instructor.

Taught: Alternate years, 4 semester credits.

PSY 425 HUMAN-COMPUTER INTERACTION

Nilsen

Content: Broad survey of human-computer interaction (HCI). Project-based exploration of the processes for creating technologies that expand human capability (functionality) while adapting to the abilities of users (usability). HCI topics including cognition, perception, personality, learning, motivation, and social, developmental, abnormal, and educational psychology studied from a psychological perspective. Primary source materials from the fields of psychology, computer science, and allied disciplines.

Prerequisite and/or restriction: Psychology 100, 200, and 300, or consent of instructor.

Taught: Annually, 4 semester credits.

PSY 440 SOCIAL CONSTRUCTION OF MADNESS

Schoeneman

Content: Scrutiny of historical and contemporary Western conceptions of madness. Theoretical position of social constructionism used to understand how professional taxonomies and public stereotypes of insanity are reflections of culture. Analysis of movies, fiction, poetry, drama.

Prerequisite and/or restriction: Psychology 100, 200, 240, and 300, or consent of instructor.

Taught: Alternate years, 4 semester credits.

PSY 445 PSYCHOLOGY INTERNSHIP

Davidson, J. Detweiler-Bedell, LaBounty, Schoeneman

Content: Applied field learning experience and exposure to psychologically oriented occupations. Building human relations skills; becoming acquainted with important human service institutions and their social impact. Theoretical and practical frameworks for intervention.

Prerequisite and/or restriction: Junior or senior standing. Psychology 100, 200, and 300, or consent of instructor.

Taught: Each semester, 4 semester credits.

PSY 460 COMMUNITY PSYCHOLOGY

J. Detweiler-Bedell

Content: Community agencies dealing with mental health, homelessness, child abuse, substance abuse, criminal justice, or AIDS. How agencies provide services to diverse populations, including the elderly, adolescents, children, gays,

mentally ill, and others. The politics of funding. How grassroots organizations develop and change. Students evaluate how effectively a community agency or organization provides needed services to specific populations.

Prerequisite and/or restriction: Psychology 100, 200, and 300, or consent of instructor.

Taught: Alternate years, 4 semester credits.

PSY 465 ADVANCED TOPICS IN SOCIAL PSYCHOLOGY

B. Detweiler-Bedell

Content: Advanced undergraduate seminar examining current theoretical and empirical advances in social psychology. Extensive reading and discussion of primary sources focusing on three selected topics: social cognition, social influence, and group relations. Topics may include emotion, social judgment, the self, nonverbal communication, attitude change, advertising and marketing, stereotyping and prejudice, conflict resolution, interpersonal relationships, group dynamics.

Prerequisite and/or restriction: Psychology 100, 200, 260, and 300, or consent of instructor.

Taught: Alternate years, 4 semester credits.

PSY 490 HONORS THESIS

Staff

Content: Independent research project suitable for the granting of departmental honors. Details determined by the student in conference with supervising faculty member and honors committee, then approved by department.

Prerequisite and/or restriction: Psychology 100, 200, and 300, or consent of instructor.

Taught: Each semester, 4 semester credits.

PSY 499 INDEPENDENT STUDY

Staff

Content: Same as Psychology 299 but requiring work at the junior or senior level.

Prerequisite and/or restriction: Consent of instructor.

Taught: As needed, 1-4 semester credits.

Religious Studies

CHAIR: PAUL POWERS

As part of the wider Lewis & Clark program in the humanities, the academic study of religion provides an opportunity for critical reflection on a key aspect of human culture, tradition, and experience. The extraordinary role religion has played throughout history as well as in contemporary societies provides the backdrop against which this critical inquiry takes place.

The Department of Religious Studies emphasizes the careful use of critical method along with clear and extensive writing as key tools of scholarly endeavor. As in any humanities program, students are encouraged to develop analytical skills that are of value in many graduate schools and professional fields. For students interested in Judeo-Christian origins, Lewis & Clark offers language courses in Greek, which serve as an integral part of their study and are especially important as preparation for upper-level work.

THE MAJOR PROGRAM

The field of religious studies is extremely diverse and thus the religious studies major is designed to give students a broad background in the field. The curriculum is organized in a series of levels:

100 level: Introduction to the academic study of religion.