

## Requirements: Psychology

### *Natural Sciences Division*

Psychology is taught as the scientific study of behavior and mental processes. The psychology curriculum provides an opportunity for majors and non-majors to examine diverse theoretical views and findings in such areas as cognition, human development, learning, neuroscience, personality, social psychology and abnormal psychology. At all levels of study, the department gives students the opportunity to pursue research and to become involved in the work of local educational and mental-health agencies through classwork, the office of Community Partnerships and the Off-Campus Activities in Psychology Program (OAPP).

### New Students

Students should begin with PSYC 100 Introduction to Psychology, which is a prerequisite for all of the other psychology courses. This course explores a variety of areas in which psychologists conduct research, including the biological foundations of behavior, sensory and perceptual processes, cognition, learning and memory, developmental psychology, personality and social psychology, psychological disorders, and variability in behavior related to culture. Students who have completed PSYC 100 (or have a score of 5 on the PSYC AP exam) and are considering majoring in psychology should next take PSYC 200 Statistical Analysis in Psychology. In this course students will acquire the basic statistical skills required to conduct and understand research in the field.

Students who elect to major in psychology will take statistics and an advanced research methods course along with at least one course in each of the following areas of psychology:

- biological bases of behavior
- learning and cognition
- developmental perspectives
- clinical and health issues
- sociocultural perspectives

Finally, all majors enroll in a senior seminar, in which they collaborate with their peers and professor while developing expertise on a topic of their choice.

### Requirements for the Major

Students majoring in psychology must earn at least five and one half (5.5) units of credit in the Psychology Department, with a minimum 2.5 major GPA.

#### 1. Foundations

The required foundation courses include:

- PSYC 100 Introduction to Psychology
- PSYC 200 Statistical Analysis in Psychology
- PSYC 250 Research Methods in Psychology

Majors are strongly advised to complete PSYC 200 by the end of their sophomore year. A grade of C or higher in PSYC 200 and PSYC 250 is required for these classes to count toward the major.

#### 2. Intermediate Courses

Students are required to have a balanced curriculum within the discipline. Students take at least one course in each of the following general areas of psychology:

Biological Bases:

- NEUR 212 Introduction to Neuroscience
- NEUR 302 Neuroethology and Comparative Psychology
- NEUR 305 Behavioral Neuroscience
- NEUR 307 Sensory Processes
- PSYC 308 Drugs and Behavior
- PSYC 310 Cognitive Neuroscience

Cognitive Processes and Learning:

- PSYC 301 Cognitive Processes
- PSYC 303 Learning and Motivation
- PSYC 306 Psychology of Language
- PSYC 310 Cognitive Neuroscience

Developmental Perspectives:

- PSYC 322 Adult Development
- PSYC 323 Child Development
- PSYC 324 Educational Psychology
- PSYC 326 Theories of Personality
- PSYC 348 Adolescence

Clinical Issues and Health:

- NEUR 304 Neuropsychology
- NEUR 347 Psychopharmacology
- PSYC 321 Abnormal Psychology
- PSYC 330 Health Psychology
- PSYC 331 Positive Psychology
- PSYC 342 Clinical Psychology

Sociocultural Perspectives:

- PSYC 325 Social Psychology
- PSYC 327 Cross-Cultural Psychology
- PSYC 328 Latino Psychology
- PSYC 344 Human Sexual Behavior
- PSYC 346 Psychology of Women
- PSYC 350 Psychology In Context

### 3. Advanced Research

Students also are expected to get more advanced research experience by taking either an advanced research methods course or two semesters of advanced research laboratory (PSYC 450) in psychology with the same instructor.

Current Research Methods Courses:

- NEUR 405 Research Methods in Behavioral Neuroscience
- NEUR 406 Research Methods in Sensory Processes
- PSYC 402 Advanced Research Methods in Cognition
- PSYC 403 Advanced Research Methods in Learning and Motivation
- PSYC 410 Advanced Research Methods in Human Neuroscience
- PSYC 421 Advanced Research Methods in Developmental Psychology
- PSYC 422 Advanced Research Methods in Personality
- PSYC 423 Advanced Research Methods in Social Psychology
- PSYC 424 Advanced Research Methods in Cross-Cultural Psychology
- PSYC 425 Advanced Research Methods to Study Gender
- PSYC 450 Advanced Advanced Research in Psychology Laboratory

4. Senior Seminar

All students are expected to take a fall semester senior seminar, PSYC 475, in which they will focus on a topic of current research in psychology.

## Senior Capstone

The psychology Senior Capstone will consist of a standardized test designed for undergraduate psychology majors, to measure their knowledge of core concepts in the field. It will be administered to students in October or November of their senior year. Also, students will prepare a poster to communicate their knowledge of a research question they studied during the senior seminar. The posters will be displayed during a student research day in January or February of the senior year, when students must be available to discuss the contents of their poster. Students' posters and their poster presentations will be judged via rubrics filled out by faculty members in the department. The poster represents a unique assignment for which students will have done some background work during the senior seminar, and which they will complete independently during the spring semester

Additional information about the senior capstone in psychology is available on the department website.

## Honors

Students who do excellent work are encouraged to apply to the department chair during the second semester of their junior year if they are interested in admission to the Honors Program.

Participants complete a large-scale research project on an approved topic during their senior year. Each project is supervised by a single faculty member, but also is reviewed periodically by all members of the department prior to an oral examination by an outside examiner in the spring.

More information about honors work in psychology is available on the department website.

## Courses in Psychology

### *PSYC 100 INTRODUCTION TO PSYCHOLOGY*

Credit: 0.5

Psychology is the study of behavior and mental processes. In this introductory course, we will explore a variety of areas in which psychologists conduct research: the biological foundations of behavior, sensory and perceptual processes, cognition, learning and memory, developmental

psychology, personality and social psychology, psychological disorders, and variability in behavior related to culture. This course is only open to first-year and sophomore students. This counts toward the foundations requirement for the major. No prerequisite. Offered every semester.

*PSYC 110 GENERAL PSYCHOLOGY*

Credit: 0.5

Psychology is the study of behavior and mental processes. In this foundation course we will explore a variety of areas in which psychologists conduct research: the biological foundations of behavior, sensory and perceptual processes, cognition, learning and memory, developmental psychology, personality and social psychology, psychological disorders and variability in behavior related to culture. Students who have completed PSYC 100 cannot take this course. This counts toward the foundations requirement for the major. Prerequisite: junior standing. Generally offered every spring.

*PSYC 200 STATISTICAL ANALYSIS IN PSYCHOLOGY*

Credit: 0.5 QR

This course is for psychology majors (or intended majors). Students will learn to conduct a variety of statistical tests that are commonly used in psychological research. The course also builds the skills of choosing the appropriate statistical tests for particular research designs and writing and interpreting the results of statistical analyses. The computer statistical package SPSS will be used. This counts toward the foundations requirement for the major. Prerequisite: PSYC 100 or 110 or AP score of 5. Generally offered every semester.

*PSYC 210 SOCIAL MIND, SOCIAL BRAIN*

Credit: 0.5

Humans are one of the very few "ultra-social" species on earth. Interacting with others is an integral part of being human. Not surprisingly then, our brains have evolved to be wired for sociality. In this course we will explore how the brain supports complex social cognition and behavior such as understanding the minds of others, perception of faces and bodies, empathy and moral decision-making. We will also explore the need to belong and the biological nature of social pain. The course is meant to be accessible to all students with an interest in the relationship between the social mind and the social brain, regardless of prior knowledge about the biology of behavior. Students will be introduced to each topic primarily through books and essays written for non-experts. Prerequisite: PSYC 100 or 110 or AP score of 5.

*PSYC 250 RESEARCH METHODS IN PSYCHOLOGY*

Credit: 0.5 QR

In this course students will learn the basics of research in psychology. Students will participate in research projects conducted across different areas of psychology, which might involve observation and interviewing, psychological tests and measures, physiological measures and computerized tasks. Students will learn about issues of reliability and validity in psychological research, as well as ethical issues associated with psychological research. Students will further develop techniques for descriptive statistical analysis of their data, and they will communicate their research findings both orally and in writing, using the writing style of the American Psychological Association. This course is designed for sophomore students planning to major in psychology. This counts toward the

foundations requirement for the major. Prerequisite: PSYC 100 or 110 or AP score of 5 and PSYC 200. Generally offered every semester.

*PSYC 301 COGNITIVE PSYCHOLOGY*

Credit: 0.5

The goal of this course is to enlighten students about human thinking processes. This course will cover research and theories regarding intelligence. Emphasis will be on the study of laboratory research, with discussion of how the findings relate to real-world issues. Students should gain an understanding of general cognitive processes that apply to all humans, as well as a perspective on individual differences in cognition and how they may merge with our understanding of clinical disorders. This counts toward the cognitive processes and learning requirement for the major. Prerequisite: PSYC 100 or 110 or AP score of 5. Generally offered every year.

*PSYC 303 LEARNING AND MOTIVATION*

Credit: 0.5

This course will provide students with a comprehensive introduction to the theories and basic principles of learning and motivation in human and nonhuman animals, with an emphasis on associative learning; namely, classical and instrumental conditioning. We will discuss how these principles can be applied to our everyday lives, from training pets and raising children, to the development and treatment of mental illness and drug addiction. You will learn the scientific methods of the discipline, as well as improve your critical thinking skills by reading and critiquing primary empirical sources. This counts toward the cognitive processes and learning requirement for the major. Prerequisite: PSYC 100 or 110 or AP score of 5 or NEUR 212. Generally offered every year.

*PSYC 306 PSYCHOLOGY OF LANGUAGE*

Credit: 0.5

One thing that makes our species unique is our amazing capacity for language and complex symbol use. This course will cover basic theory with respect to the evolutionary origins of language, cognitive neuroscience of language, basic psycholinguistics theory and application, nonhuman communication research, and issues of social cognition and language, as well as special cases and conditions in which language capacity or development is disrupted. By the end of the course, students will have gained a heightened awareness of just how complex language use really is, along with a richer appreciation of the far-reaching impact it has on their everyday lives. This counts toward the cognitive processes and learning requirement for the major. Prerequisite: PSYC 150 or 250. Generally offered every other year.

*PSYC 308 DRUGS AND BEHAVIOR*

Credit: 0.5

This course addresses the ubiquitous presence of psychoactive drugs in human culture. The approach to understanding how drugs affect and are affected by our body, brain, behavior and culture will be biopsychosocial, addressing neurobiological, behavioral and social factors that influence drug use and abuse. We will draw knowledge from basic laboratory animal research and human drug studies, as well as personal memoirs and historical summaries. This counts toward the biological bases requirement for the major. Prerequisite: PSYC 100 or 110 or AP score of 5 or NEUR 212. Offered every year.

*PSYC 310 COGNITIVE NEUROSCIENCE*

Credit: 0.5

This course focuses on human brain systems that support sensory, motor, cognitive, social and affective phenomena. Early in the semester we will build a foundation of knowledge about brain anatomy and physiology, human sensory and motor systems and the methods used in cognitive neuroscience research. We will incorporate this knowledge into subsequent explorations of how the brain gives rise to complex phenomena such as attention, learning and memory, language, emotion and social cognition. The course aims to provide students with a greater understanding of, and appreciation for, the complex relationship between brain and mind, and how our understanding of this relationship is informed by cognitive neuroscience research. This counts toward the cognitive processes and learning requirement or the biological bases requirements for the major. Prerequisite: PSYC 100 or 110 or AP score of 5 or NEUR 212. Generally offered every year.

*PSYC 321 ABNORMAL PSYCHOLOGY*

Credit: 0.5

This course provides students with an overview of the classification, causes, pathways, and treatment of adult mental disorders, including anxiety, mood disorders and personality disorders. Included will be discussion of critical issues and controversies in this field, such as the definition of abnormality, as well as an extended emphasis on cross-cultural issues in psychopathology. This counts toward the clinical issues and health requirement for the major. Prerequisite: PSYC 100 or 110 or AP score of 5. Generally offered every year.

*PSYC 322 ADULT DEVELOPMENT*

Credit: 0.5

This course provides an overview of developmental issues related to adult life and an in-depth examination of some current theory and research in adult development and aging. We will cover the psychological, social and biological dimensions of adult development, including personality, learning and memory, family psychopathology and some clinical interventions from emerging adulthood through the lifespan. This counts toward the developmental perspectives requirement for the major. Prerequisite: PSYC 100 or 110 or AP score of 5. Generally offered every other year.

*PSYC 323 CHILD DEVELOPMENT*

Credit: 0.5

This course focuses on normal human development from conception through adolescence. Biological and social influences on development are considered with an emphasis on their interaction and the context in which they occur. Students will have the opportunity to participate in community engaged learning (CEL) in this course. This counts toward the developmental and perspectives requirement for the major. Prerequisite: PSYC 100 or 110 or AP score of 5. Generally offered every year.

*PSYC 324 EDUCATIONAL PSYCHOLOGY*

Credit: 0.5

This course involves the study of cognitive, developmental and motivational processes that underlie education. We also examine teacher behavior and other applications of psychology to

education. Research and theory on student learning, motivation and development provide the core readings for the course. Individual and group differences as applied to learning environments will be addressed. Other topics include multicultural education, achievement motivation, special education, public policy with respect to education, education outside of schools and recent trends in schools and education. Students will develop their own teaching philosophy. Connections among a variety of disciplines (e.g., history, sociology, political science) will be stressed, as well as links to the real world beyond the classroom. This course is appropriate for those interested in teaching, coaching or mentoring. This counts toward the developmental perspectives requirement for the major. Prerequisite: PSYC 100 or 110 or AP score of 5.

*PSYC 325 SOCIAL PSYCHOLOGY*

Credit: 0.5

Social psychology is the systematic study of social behavior. In general, it examines how we are affected by our social environment: how we perceive and interpret the behavior of others and the social situation, how we respond to others and they to us, and the nature of social relationships. Application of social psychological theory and methodology is encouraged through participation in small-scale laboratory or field observational studies. This counts toward the sociocultural perspectives requirement for the major. Prerequisite: PSYC 100 or 110 or AP score of 5. Generally offered every year.

*PSYC 326 THEORIES OF PERSONALITY*

Credit: 0.5

This course introduces students to major approaches to understanding both consistencies in individual behavior and differences among individuals. Students will learn about historical and modern approaches to the study of personality with an emphasis on empirical research. The course will consist of lectures, in-class activities and class discussions. Students will hone their skills in the areas of critical evaluation of research, written and oral communication, visual literacy and quantitative reasoning. This counts toward the developmental perspectives requirement for the major. Prerequisite: PSYC 100 or 110 or AP score of 5. Generally offered every other year.

*PSYC 327 CROSS-CULTURAL PSYCHOLOGY*

Credit: 0.5

There are approximately 7 billion people in the world. And yet most of the theories we use to explain psychological functioning have been based on limited samples drawn from the West. In this course, we will examine in greater detail the impact of culture on human behavior and review issues such as the role of culture in the concept of the self, the cultural influences on social behavior, the association of culture and cognition, and the measurement and experience of cross-cultural psychopathology. By integrating research from various social science disciplines (such as anthropology and sociology), students should gain a wider appreciation of the influence on culture on everyday experiences, while simultaneously understanding that culture is not a static or homogeneous entity. This counts toward the sociocultural perspectives requirement for the major. Prerequisite: PSYC 100 or 110 or AP score of 5. Generally offered every other year.

*PSYC 328 LATINO PSYCHOLOGY*

Credit: 0.5

Latino psychology is a vibrant and emerging field geared toward understanding the experiences of the largest minority group in the United States — either U.S.-born or U.S.-residing Latinos. Unlike cross cultural psychology, its focus is less on the intercultural group differences and more on intracultural differences and similarities across Latino subgroups. More specifically, this course will focus on understanding the core experiences of Latinos in the U.S. while also revealing the heterogeneity of this group. Students will begin this course by reviewing the history of Latino psychology. Following this, topics to be explored include a review of demographic variables (such as immigration/migration, socioeconomic status, language, gender, race and sexuality), and interpersonal variables (such as psychological acculturation, ethnic identity, cultural values and perceived discrimination), and how these variables often operate in conjunction when trying to understand Latino mental health. A special focus of the class will also be on the assessment of Latino psychopathology, such as the Latino cultural idioms of distress "ataques de nervios," "nervios" and "susto." This counts toward the sociocultural perspectives requirement for the major. Prerequisite: PSYC 100 or 110 or AP score of 5. Generally offered every other year.

*PSYC 330 HEALTH PSYCHOLOGY*

Credit: 0.5

Health psychology addresses the cognitive, social and emotional factors related to health and illness, with an emphasis on the prevention and modification of health-compromising behaviors. A biopsychosocial approach is used to address topics such as: promotion of good health and prevention of illness; the recovery, rehabilitation and psychosocial adjustment that correspond with health problems; and the role of stress and coping in illness. This counts toward the clinical issues and health requirement for the major. Prerequisite: PSYC 100 or 110 or AP score of 5. Offered every other year.

*PSYC 331 POSITIVE PSYCHOLOGY*

Credit: 0.5

Although much of psychology's past has been spent investigating the problems facing human beings, the field and people in general are coming to realize that a life devoid of the negative is not synonymous with a life well-lived. This course will focus on the aspects of life that tend to help individuals and communities flourish. We will discuss emotions (past-, present- and future-oriented), character traits (strengths and virtues), and institutions (work, school, family) and how these influence the good life. Through lecture, readings, discussions and hands-on activities, we will investigate the empirical literature on positive psychology, including points of conflict and avenues for future research. This counts toward the clinical issues and health requirement for the major. Prerequisite: PSYC 100 or 110 or AP score of 5. Generally offered every year.

*PSYC 333 MEDIA PSYCHOLOGY*

Credit: 0.5

An increasing and significant portion of human behavior and interaction either takes place through a mediated channel (a channel other than face-to-face) or involves an interaction with a mediated technology. Despite this, psychology has been slow to investigate the effects of mediated environments on previously established psychological constructs. This course will attempt to provide a general understanding of the effects of media in two ways. First, we will investigate what it means for an interaction to be mediated, the type of interactions that can be mediated and the nuance of various types of channels. Second, we will attempt to understand the effect of the technology that mediates our interactions on various aspects of human behavior. Topically, we will



cover numerous channels (movies, television, video games, virtual reality, the internet, social network sites, smartphones) and psychological concepts (self-presentation, aggression, addiction, belonging, impression formation, child development, social influence, self-disclosure etc.). This counts toward the sociocultural perspectives requirement for the major.

*PSYC 342 CLINICAL PSYCHOLOGY*

Credit: 0.5

This course introduces students to the field of clinical psychology. Through readings, videos, discussion and in-class role-plays you will be exposed to the major therapeutic orientations in psychology (including psychodynamic, cognitive-behavioral and person-centered therapy) as well as newer schools of interventions (including feminist therapy, multicultural counseling and community psychology). In addition, we will cover other areas in clinical psychology, such as testing and assessment, and the difficulties involved in the assessment of others. A special area of focus in this course will be forensic psychology. Case studies from the instructor's experience as a therapist will be used throughout the course to further highlight the material. This course is best suited for students who are considering applying to graduate school in clinical psychology. PSYC 321 is strongly recommended. This counts toward the clinical issues and health requirement for the major. Prerequisite: PSYC 100 or 110 or AP score of 5. Typically offered every year.

*PSYC 344 HUMAN SEXUAL BEHAVIOR*

Credit: 0.5

This course examines the biological, psychological and social bases of human sexuality. Topics include the physiology of sex functions, variations of sexual behavior, nature and treatment of sexual malfunctions, sexual identity and attitudes, differences in sexual behavior and the social dynamics of sexual interaction. This counts toward the sociocultural perspectives requirement for the major. Prerequisite: PSYC 100 or 110 or AP score of 5. Generally offered every year.

*PSYC 346 PSYCHOLOGY OF WOMEN*

Credit: 0.5

Psychological research about women is examined critically in this course. Topics such as gender differences, gender stereotypes, eating disorders, and violence against women will be addressed with particular attention to the effects of sociocultural factors. The class will use a variety of learning tools, such as conducting projects, analyzing research articles, engaging in discussion and taking exams. This counts toward the sociocultural perspectives requirement for the major. Prerequisite: PSYC 100 or 110 or AP score of 5. Generally offered every year.

*PSYC 348 ADOLESCENCE*

Credit: 0.5

This course will provide students with an overview of important issues in adolescent psychology, from early adolescence to young adulthood. The major physical, cognitive, social and emotional developments that occur during this transitional period will be covered. Influences on adolescent development such as family, peers, school, work and culture will also be explored. This counts toward the developmental perspectives requirement for the major. Prerequisite: PSYC 100 or 110 or AP score of 5. Offered occasionally.

*PSYC 350 PSYCHOLOGY IN CONTEXT*

Credit: 0.5

This course will focus on the application of psychology to social settings and social services. We will examine a selection of social problems and the influence of social systems on individuals. In addition to regular class meetings, students will spend five out-of-class hours each week at a local community agency (Knox County Head Start). This commitment to community engaged learning (CEL) will allow students to integrate service experiences into course-related material. Students will integrate these service experiences with course-related material. This counts toward the sociocultural perspectives requirement for the major. Prerequisite: PSYC 100 or 110 or AP score of 5 and junior standing. Generally offered every fall.

*PSYC 402 ADVANCED RESEARCH METHODS IN COGNITION*

Credit: 0.5 QR

This course is designed to provide students with an opportunity to engage in cognition research. Students will create, design and implement unique experiments in areas of attention, learning, memory, language, and problem solving. Students will acquire fundamental computer programming experience to create assessments. Data collection and analyses techniques will result in actual research findings that will be communicated through an American Psychological Association style paper, as well as a poster presentation. This counts toward the advanced research requirement for the major. Prerequisite: PSYC 250 and 301 or 306. Offered as department schedules permit.

*PSYC 403 ADVANCED RESEARCH METHODS IN LEARNING AND MOTIVATION*

Credit: 0.5 QR

This methods course provides students with the critical skills for understanding and conducting behavioral research in animal subjects. Students will be actively engaged in collecting, analyzing, and interpreting data. Students will also learn about designing research projects, making valid conclusions, critiquing journal articles and writing a scientific paper. This counts toward the advanced research requirement for the major. Prerequisite: PSYC 250 and completion of or concurrent enrollment in PSYC 303. Offered occasionally.

*PSYC 410 ADVANCED RESEARCH METHODS IN HUMAN NEUROSCIENCE*

Credit: 0.5 QR

This course introduces students to the methods used in human neuroscience research. Several structural and functional techniques used to investigate the brain will be discussed. However, the course will primarily focus on the two most commonly used tools in cognitive neuroscience: functional magnetic resonance imaging (fMRI) and electroencephalography (EEG). We will take a detailed look at the physical phenomena that make MRI possible, as well as the neurophysiological properties that produce the signal measured by MRI. A similar in-depth approach will be used to understand the physical and physiological processes involved in EEG. The course trains students in the practical aspects of fMRI/EEG data acquisition and analysis. We will therefore dedicate a considerable amount of time to "hands-on" data analysis using several software packages that are commonly used in the field. This counts toward the advanced research requirement for the major. Prerequisite: PSYC 250 and 310 or NEUR 304, 305 or 307 or permission of instructor. Offered occasionally.

*PSYC 422 ADVANCED RESEARCH METHODS IN PERSONALITY*

Credit: 0.5 QR

This course will examine a variety of methodologies used by psychologists who conduct research in the area of personality and individual differences. The course includes lectures, discussions and assignments designed to give students hands-on experience in designing research, collecting and analyzing data, and relating their work to larger theories. During the course, students will also learn how to design research that is ethical, how to critically evaluate research, and how to write professional reports in the style developed by the American Psychological Association. This counts toward the advanced research requirement for the major. Prerequisite: PSYC 250 and 321, 326 or 346. Offered occasionally.

*PSYC 423 ADVANCED RESEARCH METHODS IN SOCIAL PSYCHOLOGY*

Credit: 0.5 QR

Social psychology attempts to understand the ways in which our thoughts and behavior are affected by others. This course will examine the principles, methods and problems of research in social psychology. Using a variety of formats ranging from lectures to discussion of research to class and field demonstrations, students will explore how research ideas are generated, critical evaluation of relevant research literatures, research design and methodology, data collection procedures using both laboratory and naturalistic settings, statistical analyses and ways of presenting research consistent with journal publication. This counts toward the advanced research requirement for the major. Prerequisite: PSYC 250 and completion of or current enrollment in PSYC 325. Offered occasionally.

*PSYC 424 ADVANCED RESEARCH METHODS IN CROSS-CULTURAL PSYCHOLOGY*

Credit: 0.5 QR

This course trains students in the skills needed to conduct cross-cultural research studies in psychology. The format will be primarily that of a lab-oriented seminar, though lecture also will be included. Through discussion and hands-on research activities, students will develop and refine their ability to generate and test cultural hypotheses, to collect and analyze relevant data, and to report and critique cross-cultural research findings. Topics to be covered include experimental design, questionnaire construction, naturalistic observation, content analysis, computer-based statistical analysis, and American Psychological Association writing style. Course requirements include two data-collection projects with lab reports, in-class presentations and a final exam. This counts toward the advanced research requirement for the major. Prerequisite: PSYC 250 and 321. Offered occasionally.

*PSYC 425 ADVANCED RESEARCH METHODS TO STUDY GENDER*

Credit: 0.5 QR

Science is a valuable tool for understanding the world, but when dealing with the issue of gender, it has often been applied in flawed ways. A feminist critique of science has helped us understand both the limits and the possibilities of examining issues related to gender from a scientific perspective. In this course we will consider the application of feminist theories and methods to understanding psychological issues related to gender. You will critically analyze various research articles, conduct two class research projects and prepare written reports of the results, and develop your own proposal for a piece of independent psychological research related to gender. This counts toward

the advanced research requirement for the major. Prerequisite: PSYC 250 and one of the following: PSYC 323, 325, 326, 346 and WGS 111. Offered occasionally.

*PSYC 426 ADVANCED RESEARCH METHODS USING QUALITATIVE APPROACHES*

Credit: 0.5 QR

This course will introduce students to qualitative methods in psychological research. Topics will include data-collection methodologies (e.g., interviews, focus groups, participant observation), coding strategies (e.g., thematic coding, content analysis, grounded analysis) ethics, and writing. As part of the course, students will be required to design, conduct, analyze, and write up a qualitative study. This counts toward the advanced research requirement for the major. Prerequisite: PSYC 250 and one advanced-level behavior in context course. Offered as department schedule permits.

*PSYC 449 THEORY AND ADVANCED RESEARCH ON THE SELF*

Credit: 0.5

Our sense of self provides meaning and coherence to our lives, but the processes involved in the creation, structure, and functioning of the self are only beginning to be understood. This course is designed as a seminar examining recent psychological theory and research on the self. We will explore the problem of self-perception and self-knowledge, the development of self-conceptions, and the role that the self plays in our perceptions and interactions with the social world. We also will ask questions about the ways in which people evaluate themselves and enhance and protect their self-esteem. Finally we will examine the way in which the self is woven into our social lives and the relation between the private and the public self. This counts toward the advanced research requirement for the major. Prerequisite: PSYC 100 or 110 or AP score of 5 and PSYC 250 and PSYC 325 or 326, 344 or 423. Offered occasionally.

*PSYC 450 ADVANCED RESEARCH IN PSYCHOLOGY LABORATORY*

Credit: 0.25-0.5

Students conducting advanced research in psychology will work with a faculty member and possibly a small group of students to conduct research in the faculty member's research area. Students will critically analyze published research in the topic area and collect, analyze and write reports on data they have collected with a small group of students. Students will be expected to work independently and collaboratively and the course will emphasize effective written and oral communication. Students who enroll in two semesters of advanced research on a particular topic can substitute this experience for a research methods course on that topic (e.g., two semesters of advanced research in personality counts the same as the one-semester research methods in personality course). This course is offered only on a credit/no credit basis. When taken for two semesters, this counts toward the advanced research requirement for the major. Permission of instructor required. Prerequisite: PSYC 150, 250 and related intermediate level study.

*PSYC 475 PSYCHOLOGY SENIOR SEMINAR*

Credit: 0.5

The psychology senior seminar is a required course for senior psychology majors. Each section will have a different topic, but in every seminar students will read and discuss psychological literature, write and discuss critiques of research articles, develop a review paper on a topic in psychology develop a research proposal on a topic in psychology, and make a formal oral presentation to the

class. This counts toward the senior capstone requirement for the major. Prerequisite: senior standing and psychology major. Offered every fall.

*PSYC 493 INDIVIDUAL STUDY*

Credit: 0.25-0.5

Individual study in psychology allows students the opportunity to pursue research on a topic of special interest. The course is designed in consultation with a faculty mentor. The level of credit can range from 0.25 to 0.5 unit of credit and students may take more than one semester of individual study. Typically, only juniors or seniors may pursue this option. To enroll, a student must first identify a member of the psychology department who is willing to mentor the project. The student must give the department chair a written description of the project, including the nature of the proposed work and a list of references. The project should include reading and reviewing scientific literature and will likely entail a research project in which original data are collected. The student and faculty member are expected to meet, on average, once a week. The final project will likely be a paper written in the style of the American Psychological Association. Additional assignments may be required as well — for example, a public presentation. The amount of work required for the individual study should approximate that required of other 300-level psychology courses. It is possible for students to pursue a group project but more work will be expected for the completed project, and each student will write her or his own individual paper. Because students must enroll for individual studies by the end of the seventh class day of each semester, they should begin discussion of the proposed individual study preferably the semester before, so that there is time to devise the proposal and seek departmental approval before the registrar's deadline.

*PSYC 497Y SENIOR HONORS*

Credit: 0.5

This is a program for senior candidates for honors in psychology, culminating in a senior honors thesis. The course will consist of a research project in some area of psychology. A student who wishes to conduct an honors project must meet each of the following three criteria: (1) the student must have a GPA of 3.5 in psychology and an overall GPA of 3.3; (2) the student must have participated in a psychology department-approved research experience (which might be research in a research methods course, independent study or summer lab work); and (3) the student must have completed a minimum of 4 units in psychology and have taken the appropriate core courses for the proposal before the senior year. Students enrolled in this course will be automatically added to PSYC 498Y for the spring semester. Permission of instructor and department chair required.

*PSYC 498Y SENIOR HONORS*

Credit: 0.5

This is a program for senior candidates for honors in psychology, culminating in a senior honors thesis. The course will consist of a research project in some area of psychology. A student who wishes to conduct an honors project must meet each of the following three criteria: (1) the student must have a GPA of 3.5 in psychology and an overall GPA of 3.3; (2) the student must have participated in a psychology department-approved research experience (which might be research in a research methods course, independent study or summer lab work); and (3) the student must have completed a minimum of 4 units in psychology and have taken the appropriate core courses for the proposal before the senior year. Permission of instructor and department chair required.