

# PSYCHOLOGY (PSYC)

## **PSYC 101 Introduction to Psychology 3 Credit Hours**

Psychology 101 introduces students to theories and research in the field of psychology. This course focuses on the scientific underpinnings of the field from both the social and natural science perspectives. (F, S, W).

## **PSYC 170 Intro to Psych as a Nat Sci 3 Credit Hours**

A treatment of the principles of sensation, perception, maturation, learning, motivation, memory, thought, language, and physiological bases of behavior. (F,W,S).

## **PSYC 171 Intro to Psych as a Soc Sci 3 Credit Hours**

A treatment of the principles of human development, intelligence, motivation, personality theory, social and abnormal psychology, and psychotherapy. (F,W,S).

## **PSYC 200 Introduction to Developmental Psychology 4 Credit Hours**

Developmental psychology examines how we become who we are by exploring how various genetic and environmental factors interact over time, to further our understanding of how we think and how we behave. This course provides an overview of the principal concepts currently used in developmental psychology in describing and explaining biological, cognitive, and social-emotional development. Students will learn the basis for developmental discussion and reflect upon developmental phenomena. A basic exposure to developmental concepts, research methods, statistics, APA format, peer-review, and ethics provided in this course will prepare students to succeed in upper-level psychology courses. (YR).

**Prerequisite(s):** PSYC 101

## **PSYC 220 Introduction to Social Psychology 4 Credit Hours**

Students will be introduced to the field of Social Psychology, which considers how individuals affect and are affected by other people and by their social and physical environments. Basic research methods in social psychology, as well as foundational social psychological theory and research will be covered. (F, YR).

**Prerequisite(s):** PSYC 101

## **PSYC 240 Introduction to Mental Health and Adjustment 4 Credit Hours**

This course is designed to help students continue to develop a foundational knowledge about psychology through the exploration of mental health. Building on the key concepts students learned in other psychology courses (e.g., introduction to psychology), this course will examine scientific approaches to the study and treatment of mental health issues and general human adjustment. The course will cover topics related to clinically based research, defining and classifying mental health and illness, general types psychological distress, and introductory treatment considerations for individuals with mental health problems. (YR).

**Prerequisite(s):** PSYC 101

## **PSYC 260 Introduction to Brain and Behavior 4 Credit Hours**

Students will be introduced to the scientific study of human behaviors and mental processes, and the underlying brain mechanisms responsible for those behaviors. Topics on basic brain anatomy and techniques used to study both the brain and human behavior will also be introduced. (YR).

**Prerequisite(s):** PSYC 101

## **PSYC 299 Careers in Psychology 1 Credit Hour**

This one-credit course for psychology majors provides students with information and skills to help pursue a career in psychology or in a related field. The course focuses on career options within each of the major sub-fields of psychology. Psychological research on resumes, interviewing and negotiation skills, and networking is incorporated into the course. Students develop a career plan, write a resume, and complete an e-portfolio. (F)(W)

## **PSYC 300 Life-Span Developmental Psych 4 Credit Hours**

This course examines human growth and changes from the lifespan perspective by discussing human development from conception through death. Development is examined across the life span in various domains, including physical, social-emotional, cognitive, moral and personality, among others. Developmental theories, stages and influences of development and research methods/findings are emphasized. This course will help students examine the development of ourselves and others, as well as the interactions and relationships we have in the world, as we progress through life. (YR).

**Prerequisite(s):** PSYC 101 or PSYC 170 or PSYC 171

## **PSYC 301 Psych of Infant Development 4 Credit Hours**

This course examines the current theories and findings concerning the physical, cognitive and social-emotional development of infants, 0-3 years of age, and focuses on the interaction between genetic and environmental factors in development. Central to this course is academic service work, which provides students with hands-on experience working with infants and toddlers in a childcare center off-campus. (YR).

**Prerequisite(s):** PSYC 171 or PSYC 170 or PSYC 101

## **PSYC 302 Psych of Child Development 4 Credit Hours**

This course examines the current theories and findings concerning the physical, language and cognitive, and social-emotional development of children, from conception to pre-adolescence. This course focuses on the interaction between genetic and environmental factors in development. (YR).

**Prerequisite(s):** PSYC 170 or PSYC 171 or PSYC 101

## **PSYC 303 Introduction to Women's & Gender Studies 4 Credit Hours**

This course provides an interdisciplinary overview of the key theories and topics in Women's and Gender Studies. Special attention is given to how gender intersects with class, race, nationality, religion and sexuality to structure women's and men's lives. Students are also introduced to methods of gender analysis and will begin to apply these methods to topics such as women and health, gender roles in the family, violence against women, and gendered images in the mass media.

**Restriction(s):**

Cannot enroll if Class is Freshman

## **PSYC 315 Personality Development 4 Credit Hours**

An investigation of the factors involved in the formation of personality and the changes in personality across the life-span. The influence of family, peers, and society will be emphasized. (YR).

**Prerequisite(s):** PSYC 171 or PSYC 170 or PSYC 101

## **PSYC 320 Social Psychology 4 Credit Hours**

This course provides a comprehensive overview of the field of social psychology focusing on a review of the field's founding principles and classic studies, as well as a focus on recent research. Topics include social cognition; interpersonal behavior (e.g., attraction, aggression, and altruism); attitudes; prejudice and discrimination; social influence; group processes (e.g., intergroup relations; conflict resolution); and social issues (e.g., income inequality). (YR).

**Prerequisite(s):** PSYC 101 or PSYC 170 or PSYC 171

**PSYC 322 Psychology of Prejudice 4 Credit Hours**

A consideration of ethnic (including racial), sexual, and religious prejudice from the psychological point of view, focusing on the mind of both the oppressor and the oppressed. (YR).

**Prerequisite(s):** PSYC 171 or PSYC 170 or PSYC 101

**PSYC 325 Psyc of Interpersonal Relation 4 Credit Hours**

Students will be introduced to the field of relationship science from a social psychological perspective. The class begins with an overview of important research methods and theories (e.g., interdependency, attachment, evolutionary, social role theory). Topics cover communication, attraction, friendship, love, sexuality, threats to relationships, conflict and violence, as well as fostering healthy relationships. (YR).

**Prerequisite(s):** PSYC 101 or PSYC 170 or PSYC 171

**PSYC 335 Psychology of Bilingualism 4 Credit Hours**

This course is an introduction to the study of bilingualism with a focus on biological and cognitive aspects of bilingualism. Topics covered include definitions and types of bilingualism; differences between monolinguals and bilinguals; language development in children and adults and differences between early and late learning; brain areas involved using one and multiple languages; language processing in bilinguals, including topics such as working memory, executive control, proficiency, age of acquisition, and language attrition; and the relationship between language, thought, and culture. We will also discuss social aspects of bilingualism, including heritage language, identity, and attitudes. (FW)

**Prerequisite(s):** PSYC 101

**PSYC 363 Cognitive Psychology 4 Credit Hours**

This course introduces the field of cognitive psychology, which studies human thinking, intelligence, and memory from an information-processing approach. As such, a broad range of topics will be covered (including attention, mental representations, categorization, short and long-term memory, language, reasoning, problem-solving, judgment, and decision making). Major theories of cognition will be evaluated with both behavioral and neuroscientific evidence. This course serves as a starting point for many subsequent in-depth cognitive courses (e.g., Learning and Memory). (YR).

**Prerequisite(s):** PSYC 170 or PSYC 171 or PSYC 101

**PSYC 370 Physiological Psychology 4 Credit Hours**

This course provides a comprehensive exploration of the relationship between brain function and psychological processes. Topics covered include methods in neuroscience research, neurotransmission, neuroanatomy, behavioral genetics, brain development and neuroplasticity, circadian rhythms and sleep, sensation and perception, motivation processes, stress, emotions, memory and language. We will also discuss the connection between biological processes and psychological disorders. No previous knowledge of biology is required for this course. (YR).

**Prerequisite(s):** PSYC 170 or PSYC 171 or PSYC 101

**PSYC 372 Animal Behavior 4 Credit Hours**

The Animal Behavior course will examine the scientific approach of the study of animal behavior, adaptation and learning, using cross-species comparisons from an evolutionary perspective. This course will also investigate human-animal interactions, and the causes of endangered species and conservation issues. In this course, students will explore the complexities and sensitivities in studying animal behavior. From a theoretical perspective, this upper level course covers foundational concepts in evolution, ethology, behavioral ecology, and sociobiology. Topics to be discussed include the theories, methodologies, and research that serve as the foundation for the study of behavior in human and non-human animals, comparatively. It will also cover the biological bases of behavior, and the principles of evolution in relation to behavior and development. Special topics to be explored may include: navigation, optimality theory and adaptations; sexual selection and parental care; communication and language; modeling social interactions; intentionality and imitation; tool production and tool-use; and theory of mind, self-awareness, and consciousness. (YR).

**Prerequisite(s):** PSYC 170 or PSYC 171 or BIOL 100 or PSYC 101

**PSYC 375 Psychology of Language 4 Credit Hours**

This course takes a scientific approach to the study of language, examining this complex system from a variety of perspectives, including biological, social, behavioral, structural, anthropological, and philosophical, among others. The primary goal of this course is to gain an understanding of the basic processes by which we learn and use language. (AY).

**Prerequisite(s):** PSYC 170 or PSYC 171 or LING 280 or PSYC 101

**PSYC 381 Prin of Stat and Exper Design 4 Credit Hours**

An introduction to basic principles of experimental design and statistical analysis as employed in psychological research. Topics covered include data-gathering, descriptive statistics, hypothesis-testing and one- and two-sample experiments, correlational designs, and one- and two-way analysis of variance. (F, W, YR).

**Prerequisite(s):** PSYC 170 or PSYC 171 or PSYC 101

**PSYC 390 Topics in Psychology 3 Credit Hours**

Examination of problems and issues in selected areas of psychology. Title listed in Schedule of Classes will change according to content. Course may be repeated for credit when specific topics differ. (OC).

**Prerequisite(s):** PSYC 170 or PSYC 171 or PSYC 101

**PSYC 391 Topics in Psychology 3 Credit Hours**

Examination of problems and issues in selected areas of psychology. Title listed in Schedule of Classes will change according to content. Course may be repeated for credit when specific topics differ. (OC).

**PSYC 394 Psychology and Theater 4 Credit Hours**

The linkages between psychology and theater are analyzed from the perspective of the actor, the audience, and the analyst (both psychotherapeutic and literary). This includes ties between plays and theories of human behavior, psychodrama, and self-insight through performance. Class involves a significant experiential component. (OC).

**Prerequisite(s):** PSYC 101

**PSYC 3955 Diversity and the Workplace 3 Credit Hours**

This course will: 1) discuss gender, race, ethnicity, disability, age, sexual orientation, and appearance as aspects of diversity; 2) examine social values and practices, and organizational policies and procedures that affect or have affected the employment opportunities of underrepresented groups; 3) examine individual (e.g., prejudice, stereotypes), group (e.g., in-groups and out-groups), and organizational (e.g., climate and culture) processes that affect work place diversity and; 4) discuss "best practices" for promoting an organizational culture that values diversity, along with a diverse work force. (YR).

**Prerequisite(s):** PSYC 170 or PSYC 171 or WST 275 or OB 354 or HRM 405 or WGST 275 or WGST 303 or PSYC 275 or ANTH 275 or SOC 275 or HUM 275 or PSYC 303 or SOC 303 or ANTH 303 or HUM 303 or PSYC 101

**PSYC 398 Independent Studies in Psych 1 to 3 Credit Hours**

Readings or analytical research in psychology selected in accordance with the interests and needs of students enrolled and agreed upon by the instructor and student. Permission of instructor. (F,W,S).

**PSYC 400 Cognitive Neuroscience 4 Credit Hours**

This course delves into the essential inquiry of how the brain underpins cognitive functions like sensory perception, attention, learning, language, social interactions, emotions, decision-making, and executive control. Bridging psychology and neurobiology, it explores the rapidly advancing field that encompasses both disciplines. Gross neuroanatomy is also covered in this course in this course. (F, W, S).

**Prerequisite(s):** (PSYC 170 or PSYC 171 or PSYC 101)

**PSYC 405 Gender Roles 4 Credit Hours**

This course will investigate the development of gender roles in childhood and adolescence due to either innate physiological differences or sociological patterning, the effect of gender roles upon male-female relationships within our society, and the possibility of transcending sociological gender roles in alternate modes of living. Students cannot receive credit for both SOC 443 and SOC 543. (F, W, S).

**Prerequisite(s):** SOC 200 or PSYC 170 or PSYC 171 or SOC 201 or PSYC 101

**Restriction(s):**

Cannot enroll if Class is

**PSYC 407 Psychology of Adolescence 4 Credit Hours**

This course will expand the discussion of physical, cognitive, and social-emotional development in various social and cultural contexts of today's adolescents. Students will explore the current adolescence literature, focusing on theoretical foundations and empirical research findings. Students will develop an in-depth understanding of the experiences of human development during this specific stage of life. Students cannot receive credit for both PSYC 407 and PSYC 507. (YR).

**Prerequisite(s):** PSYC 170 or PSYC 171 or PSYC 101

**PSYC 412 Psychology of Aging 4 Credit Hours**

This course examines development of the individual from middle adulthood through old age. Special emphasis is given to the understanding of developmental theories and issues in adulthood. Topics include biological basis, socialization, family relationships, personality, and intellectual development in the aging individual. (OC).

**Prerequisite(s):** PSYC 171 or PSYC 170 or PSYC 101

**PSYC 415 Lab in Developmental Psych 4 Credit Hours**

An examination of research design and methodology as related to developmental psychology. Special emphasis will be given to training students in data collection techniques used in developmental research and in providing practical experience in designing and conducting research. (YR).

**Prerequisite(s):** (PSYC 300 or PSYC 301 or PSYC 303 or PSYC 407 or PSYC 412) and PSYC 381

**PSYC 425 Lab in Social Psychology 4 Credit Hours**

A broad introduction to research methods in basic and applied social psychology. Students will receive training in construction, implementation, and interpretation of scientific procedures used in the study of social psychology. Topics include: questionnaire construction, experimental design, and various multivariate analytic techniques. (YR).

**Prerequisite(s):** PSYC 381

**PSYC 426 Applied Social Psychology 4 Credit Hours**

The field of Applied Social Psychology utilizes social psychological theory and research to understand social problems with the goal of improving social conditions. This course will examine social issues from both macro (social institutions and policies) and micro (interpersonal/intergroup behaviors and beliefs) perspectives. We will investigate how social institutions such as social policy, mass media, and education impact individuals, families, communities, and the environment. (YR)

**Prerequisite(s):** PSYC 101 or PSYC 170 or PSYC 171

**Restriction(s):**

Can enroll if Level is Undergraduate

**PSYC 427 Media Psychology 4 Credit Hours**

Media Psychology is the branch of psychology that focuses on the psychological processes associated with media, technology use and the impact that these have on individuals and society. This seminar class will provide an in-depth examination of research methods and psychological theories related to persuasion, media effects, media identification and media participation. Research across several content areas including, aggression, prosocial behavior, health and well-being, risky behaviors, relationships, news and politics, as well as media literacy, will also be considered. (OC).

**Prerequisite(s):** (PSYC 101 or PSYC 170 or PSYC 171) and (PSYC 320 or SOC 382 or CRJ 382 or PSYC 220)

**PSYC 428 Self & Identity 4 Credit Hours**

This course provides an in-depth exploration of the vast body of research concerning psychological perspectives on the self and identity. Through reading academic journal articles pertaining to theories and research findings about the self and identity, students will learn about a) the structure and components of self and identity, b) self-knowledge and self-assessment, c) self-damage, d) self-protection and self-enhancement, and e) aspects of the psychologically healthy self. (AY).

**Prerequisite(s):** PSYC 101 or PSYC 170 or PSYC 171

**Restriction(s):**

Can enroll if Class is Junior or Senior

Can enroll if Level is Undergraduate

Can enroll if College is Engineering and Computer Science or Education, Health, and Human Services or Business or Arts, Sciences, and Letters

**PSYC 429 Community Psychology 4 Credit Hours**

Community psychology examines the interaction between individuals and their environment, focusing on diversity, equity, inclusion, and social change. Community psychology examines how the social, cultural, economic, political, environmental, and international contexts influence individual, interpersonal, and systemic levels. As an applied field of psychology, community psychology research questions focus on finding science-based solutions to enhance the quality of life. (W, YR).

**Prerequisite(s):** PSYC 101

**PSYC 4305 Psychology in the Workplace 4 Credit Hours**

This course introduces students to some of the core content areas of Industrial/Organizational (I/O) psychology. These content areas include: selection, training, performance appraisal, work teams, job design, motivation, leadership, union-management relations, and stress and health in the workplace. Students cannot receive credit for both PSYC 4305 and PSYC 530. (YR).

**Prerequisite(s):** PSYC 171 or PSYC 170 or OB 354 or PSYC 101

**PSYC 440 Abnormal Psychology 4 Credit Hours**

An introduction to the field of psychopathology, the study of mental disorders. Includes exposure to a number of historical and theoretical perspectives, each with their own theories, methodologies, and treatment approaches. Disorders covered will include: anxiety and mood disorders, personality disorders, schizophrenia, sexual disorders, and psychosomatic disorders. Students cannot receive credit for both PSYC 440 and PSYC 540. (YR).

**Prerequisite(s):** PSYC 171 or PSYC 170 or PSYC 101

**PSYC 441 Intro to Clinical Psychology 4 Credit Hours**

Introduction to the typical activities of practicing clinical and counseling psychologists. Topics include a) professional issues such as ethical principles and training models, b) considerations in diagnosis and assessment including commonly used instruments, and c) an overview of influential theories of psychotherapy. (YR).

**Prerequisite(s):** PSYC 171 or PSYC 170 or PSYC 101

**PSYC 442 Child Psychopathology 4 Credit Hours**

A review of the major psychological disorders of children from birth to adolescence. These disorders are considered from a clinical and theoretical point of view. In addition to an examination of causes, approaches to treatment and behavior modification are considered. Students cannot receive credit for both PSYC 442 and PSYC 542. (YR).

**Prerequisite(s):** PSYC 170 or PSYC 171 or PSYC 101

**Restriction(s):**

Cannot enroll if Class is

**PSYC 443 Development of Sex Roles 3 Credit Hours****PSYC 4445 Personality Assessment Lab 4 Credit Hours**

This is a course in methods of assessing personality. The theory and methods of observation, interviewing, questionnaires, IQ tests, and projective tests are discussed and employed in brief individually-designed studies. In addition to the course prerequisite, students should have at least three upper-level psychology credits and junior or senior standing or permission of the instructor. Students cannot receive credit for both PSYC 4445 and PSYC 544. (S, W).

**Prerequisite(s):** PSYC 170 or PSYC 171 or PSYC 101

**Restriction(s):**

Can enroll if Class is Junior or Senior

**PSYC 446 Human Sexual Behavior 4 Credit Hours**

A comprehensive review of facts about human sexuality. The emphasis is on psychological aspects of sex, but there is also a consideration of genetic, physiological, and anatomical aspects of sex, and contemporary issues. Students cannot receive credit for both PSYC 446 and PSYC 546. (YR).

**Prerequisite(s):** PSYC 171 or PSYC 170 or PSYC 101

**PSYC 450 Personality Theory 4 Credit Hours**

A comparative review and examination of leading theories of personality; their basic concepts, similarities and differences, applications in clinical psychology, in education, in social planning, and in research. Students cannot receive credit for both PSYC 450 and PSYC 550. (YR).

**Prerequisite(s):** PSYC 171 or PSYC 170 or PSYC 101

**PSYC 455 Health Psychology 4 Credit Hours**

A discussion of the research on health promotion, psychological factors in the development of illness, cognitive representations of health and illness, stress and coping, social support, nutrition and exercise. Focus will be on the factors related to the development and maintenance of optimal health. Students cannot receive credit for both PSYC 455 and PSYC 555. (YR).

**Prerequisite(s):** PSYC 170 or PSYC 171 or PSYC 101

**Restriction(s):**

Cannot enroll if Class is

**PSYC 457 Positive Psychology 4 Credit Hours**

This course examines the contemporary movement of positive psychology, which uses the tools of rigorous science to explore the sources and nature of human strengths and psychological well-being. It then seeks to apply this knowledge to help individuals and institutions function more effectively. Topics include the biological basis of positive emotions, resilience and post-traumatic growth, positive relationships, positive education, positive workplaces, and positive development across the lifespan. (OC).

**Prerequisite(s):** PSYC 101

**PSYC 461 Learning and Memory 4 Credit Hours**

This course explores how humans and animals learn about our environments and ourselves. We discuss major theories and research results related to learning and memory in a range of animals with an emphasis on human learning. Topics include improving long-term memory, how emotion influences our memories, why we remember some things and forget others, and why and when we are likely to form false memories. Students cannot receive credit for both PSYC 461 and PSYC 561. (YR).

**Prerequisite(s):** PSYC 170 or PSYC 171 or PSYC 101

**Restriction(s):**

Can enroll if Level is Undergraduate

**PSYC 463 Sensation and Perception 4 Credit Hours**

This course discusses how organisms sense and perceive the environment around them. Topics include anatomy and physiology of the sensory systems (e.g., you can't understand vision if you don't know how the eye works!), the types of stimuli that get detected by those systems (e.g., light or sound), and current knowledge and theories of our perceptual abilities (e.g., music perception). Emphasis will be placed on attention, pattern-recognition, memory, problem solving and other cognitive processes. Students cannot receive credit for both PSYC 463 and PSYC 563. (YR).

**Prerequisite(s):** PSYC 170 or PSYC 171 or PSYC 101

**Restriction(s):**

Can enroll if Level is Undergraduate



**PSYC 464 Applied Cognitive Psychology 4 Credit Hours**

The focus will be on the application of principles of cognitive psychology (defined broadly to include sensation and perception) to benefit the student in real-life settings. Specific areas might include human factors, retention, recall, attention, reasoning, problem-solving, decision making, reading, comprehension, learning, and language. (YR).

**Prerequisite(s):** PSYC 170 or PSYC 171 or PSYC 101

**PSYC 465 Experimental Psychology 4 Credit Hours**

This course enables students to apply and integrate their undergraduate knowledge and skills in a Psychology-focused research project. It encompasses research, writing, and in-depth discussions, culminating in a final project. Through a research project, students will enhance their research methods, data analysis, critical thinking, and writing abilities. Students will delve into behavioral measurement and outcome interpretation. The course concludes with a research paper in APA format and class presentations. (YR).

**Prerequisite(s):** (PSYC 170 or PSYC 171 or PSYC 101) and (PSYC 381 or STAT 301)

**PSYC 470 Advanced Physiological Psych 4 Credit Hours**

Further study of the subject matter of PSYC 370. Advanced study of topics in the area of psychobiology. Students cannot receive credit for both PSYC 470 and PSYC 570. (OC).

**Prerequisite(s):** PSYC 370

**Restriction(s):**

Can enroll if Level is Undergraduate

**PSYC 473 Clinical Neuropsychology 4 Credit Hours**

This course is an in-depth examination of the field of clinical neuropsychology including a review of brain anatomy and physiology, theories of neural organization, and disorders of the nervous system. In addition, students will learn techniques utilized in neuropsychological assessment. (Prerequisite may be waived for students with Natural Science background.) (OC).

**Prerequisite(s):** PSYC 370

**PSYC 474 Animal Learning and Cognition 4 Credit Hours**

Animal Intelligence involves the study of human and non-human animal behavior and cognition in an evolutionary and comparative framework. As an introduction to human and non-human animal cognition and though processes this course will examine topics such as problem-solving, spatial cognition, categorization, memory, number concepts, tool-use and tool-production, insight, imitation, social cognition, self-recognition and language(-like) behavior. In addition to discussing basic experimental findings about cognition in animals, an emphasis is placed on the logic and evidence used to justify theoretical conclusions. The course requires reading and critiquing original journal articles in addition to textbook chapters for foundational concepts.

**Prerequisite(s):** PSYC 372 or PSYC 363 or PSYC 461 or BIOL 419 or BIOL 456 or ANTH 336

**Restriction(s):**

Cannot enroll if Class is Freshman or Sophomore

**PSYC 479 Psychopharmacology 4 Credit Hours**

This course will provide students with an introduction to the use of psychotropic medications for the treatment of various mental health conditions. The course is designed to give students history and current knowledge of pharmacodynamics, therapeutic indication, side effects, and efficacy treatment. The course will also examine the ethical and societal factors that are involved in the use of psychotropic medications. (W, OC)

**Prerequisite(s):** PSYC 370 or PSYC 412 or PSYC 440

**PSYC 481 Computers in Psychological Res 4 Credit Hours**

An introduction to the use of computers in data analysis and psychological research. Students will receive training in computer programming using SPSS and other software packages. Topics will include: correlation, regression, analysis of variance, and several multivariate techniques. (YR).

**Prerequisite(s):** PSYC 381

**PSYC 4845 Research Methods in Beh Med 4 Credit Hours**

This course introduces psychology students to laboratory based research methods typically used in behavioral medicine. The focus is on laboratory methods of cardiovascular and pain research, specifically cardiovascular reactivity, heart rate variability, acute and chronic pain responses. The class also includes several special topics related to health psychology research (e.g., skin conductance, cortisol sampling, etc.). Students are responsible for physical implementation of research protocols, data analysis, and presentation of research findings. (W, AY).

**Prerequisite(s):** PSYC 455 or PSYC 381

**Restriction(s):**

Can enroll if Major is Psychology, Behavioral and Biological Sci

**PSYC 485 Psychology Internship 2 to 6 Credit Hours**

The psychology internship offers experience in a wide variety of placements dealing with human services. These include programs related to child abuse, crisis intervention, geriatrics, human resources/ staff development, cognitive impairment, criminal probation, teenage runaways, substance abuse, and women's issues. The program is designed for juniors and seniors with a concentration in psychology or behavioral sciences and involves training in listening and helping skills.

**Prerequisite(s):** PSYC 171 or PSYC 170 or PSYC 101

**Restriction(s):**

Can enroll if Class is Junior or Senior

**PSYC 488 Primatology Field Course 4 Credit Hours**

This Primatology Field course will take students through an exploration of the scientific approach and methodology to the study of animal behavior. Students will gain experience in creating research projects and collecting data on free-ranging animals in a naturalistic environment. Preparation in lectures and activities on the campus of The University of Michigan-Dearborn will include learning about observational methods in detail, practicing developing ethograms and operational definitions, pilot data collection to modify the ethograms at the Detroit or Toledo Zoo, and use of GPS for data collection. Lecture materials will also cover topics of primate behavior and ecology. Students will spend a week observing a primate species (for example, one possible site for this field course may be to observe free-ranging lemurs at a reserve in Florida). Student's data collection at the field site will be for five continuous days. This field course provides a unique opportunity to study rare and endangered primates species in a safe and accessible environment. Short day trips to other facilities are possible, such as a visit to an ape sanctuary. Topics covered in this field course include advanced observational methods stemming from the field of Ethology, practical development of ethograms (checksheets) and research design, best practices in GPS data collection methods, and collating and summarizing data on animal behavior into a research paper. Lecture topics will address ethological methods and research design and also how to conduct research with free-ranging nonhuman primates. In addition there will be a strong focus on health and safety precautions in the field for human and nonhuman primates, acclimation to the field site, and practicalities of data collection. For graduate credit on this course, extra journal articles and longer written papers required than for the undergraduate requirements.

**Restriction(s):**

Cannot enroll if Class is Freshman

**PSYC 490 Advanced Topics in Psychology 4 Credit Hours**

Examination of problems and issues in selected areas of psychology. Title in Schedule of Classes will change according to content. Course may be repeated for credit when specific topics differ. (OC).

**PSYC 492 Individual Research 1 to 3 Credit Hours**

No more than 6 hours may be counted for concentration. Arrangements will be made for adequately prepared students to undertake individual research under the direction of a staff member. The students, in electing, should indicate the staff member with whom the work has been arranged. Students cannot receive credit for both PSYC 492 and PSYC 592. (YR).

**Restriction(s):**

Can enroll if Level is Undergraduate

**PSYC 497 Seminar in Psychology 4 Credit Hours**

Small seminar examination of problems and issues in selected areas of psychology. Title in Schedule of Classes will change according to content. Course may be repeated for credit when specified topics differ. Written permission of instructor required.

**PSYC 497A Seminar in Psychology 4 Credit Hours**

Topic: Seminar in Cognitive Science. Cognitive Science is an interdisciplinary science of mind and intelligence encompassing fields such as cognitive psychology, philosophy, linguistics, neuroscience, and artificial intelligence. The present seminar will investigate cognitive science in terms of the human information processing paradigm of the 1950s and contemporary connectionist challenges to this view.

**PSYC 498 Psychology Honors Seminar 4 Credit Hours**

Preparation for Honors research project. Involves discussion of and writing on: choosing a topic, reviewing the literature, selecting a research method and design, and developing a research proposal. (YR).

**PSYC 499 Psychology Honors Research 3 Credit Hours**

Participation with two faculty members in work leading to the honors thesis. This work involves active participation in research and will culminate in an independent research report, the honors thesis. Open only to psychology honors candidates. (F,W).

**Prerequisite(s):** PSYC 498

\*An asterisk denotes that a course may be taken concurrently.

**Frequency of Offering**

The following abbreviations are used to denote the frequency of offering: (F) fall term; (W) winter term; (S) summer term; (F, W) fall and winter terms; (YR) once a year; (AY) alternating years; (OC) offered occasionally