

SCHOOL OF PSYCHOLOGY SPRING 2017 COURSES

Start your exploration here!

PSYC 1101 is our *ENTRY* foundational course and is a pre-requisite for all other PSYC Courses

PSYC 1101 – GENERAL PSYCHOLOGY (3 HRS.)

How, when, and why did people begin investigating human cognition and behavior? Get an introduction to the major problems and concepts of psychology, including topics like human development, learning and memory, perception, emotion, personality, and stress. This class is essential for anyone interested in understanding the science of the human mind.

PSYC 2005 – EXPLORING MULTICULTURAL IDENTITIES (3 HRS.)

How do we understand ourselves and others within a multicultural society? Multicultural competence is a key factor of success in a global and international society. Identities (including aspects of racial and ethnic identity, gender role identity, sexual orientation, and others) impact and shape interpersonal relationships, decision-making, and leadership. Students will explore theories of multicultural identity development, examine the nature of oppression and prejudice, and understand how multicultural identity relates to themselves and others. (Prereq: PSYC 1101)

**** PSYC 2130 – INTRODUCTION TO EDUCATIONAL PSYCHOLOGY (3 HRS.)**

**** NOTE: THIS COURSE IS PENDING CAMPUS APPROVAL AND WILL BE ADDED INTO OSCAR AT PHASE II REGISTRATION**

This course applies the basic principles of child and adolescent development to the study of teaching and learning. Students will be able to understand strengths and limitations of key theories of cognitive development, learn about individual differences among learners, motivation, and principles of teaching and assessment in classroom contexts. (Prereq: PSYC 1101)

PSYC 2015 – RESEARCH METHODS (4 HRS.)

How do we design psychological experiments? This course provides a fundamental understanding of major issues in designing, analyzing, and publishing research. Students will learn about the ethical principles of research including, what is and what is not possible in human psychological research, and the different quantitative and qualitative approaches. (Prereq: PSYC 1101)

PSYC 2020 – PSYCHOLOGICAL STATISTICS (4 HRS.)

How do we analyze data from human psychological studies? An introduction to the principal statistical methods used to analyze psychological data including tests for means, variances, correlation, ANOVA, and regression. Students will learn through hands-on activities. This class is essential for anyone wanting to better understand how scientists use statistics to interpret data from human subjects. (PreReq: PSYC 1101 and 2015)

PSYC 2103 – HUMAN DEVELOPMENT (3 HRS.)

How do children and teens learn? What explains a child's tantrums? Their giftedness? Their ability to empathize with others? Are these behaviors mostly influenced by a child's biological nature or is it due to the way they are raised by their parents? This course is essential for anyone who is curious about children and who is eager to discover what research tells us about human development. (Prereq: PSYC 1101)

PSYC 2210 – SOCIAL PSYCHOLOGY (3 HRS.)

What leads us to like some people but not others? Why do people get into conflicts? How do prejudices develop and how can we overcome them in order to better function in society? Students in this course will learn about these provocative research questions that are as relevant today as ever, especially considering the dynamics of the workplace, families, and society as a whole. (Prereq: PSYC 1101)

PSYC 2220 – INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY (3 HRS.)

How do employers select the best person for the job? How do interpersonal relationships (both good and bad) affect workplace satisfaction and productivity? How do organizations ensure that teams of people work together efficiently and with minimal conflict? This course is essential for anyone interested in the psychology of the workplace. (Prereq: PSYC 1101)

PSYC 2230 – ABNORMAL PSYCHOLOGY (3 HRS.)

What are the symptoms of Schizophrenia, Bipolar disorder, and personality disorders? Can people with psychological disorders function successfully in society? How do psychologists study and treat people with these kinds of disorders? This course offers students an introduction to the theories and research concerning abnormal human behavior. (Prereq: PSYC 1101)

PSYC 2240 – PERSONALITY THEORY (3 HRS.)

Is our behavior shaped by the situation we are in or by the type of person we are? Personality psychology is the study of individual differences. It covers the major theoretical approaches to the study of human personality and encourages an evaluation of these approaches in light of empirical research. (Prereq: PSYC 1101)

PSYC 2270 – ENGINEERING PSYCHOLOGY (3 HRS.)

What are the limits of a person's capacity to process information when we design a machine for them to use? How do we optimize human performance? Engineering psychology encompasses the design and evaluation of human-machine systems. (Prereq: PSYC 1101)

PSYC 3012 – COGNITIVE PSYCHOLOGY (FOR NONMAJORS) (3 HRS.)

How do we perceive our environment, learn from experience, and make decisions? This course examines the psychological research behind this question. It covers a selection of topics including: perception, object recognition, attention, motor control, memory, problem solving, decision making, and language. The focus is on the interaction between theory and data in mainstream cognitive psychology. Central themes for the course are the nature, structure, and organization of mental representations and of human information processing. (Prereq: PSYC 1101)

PSYC 4041 – HUMAN SENSATION & PERCEPTION (4 HRS.) FORMERLY 3041 (FOR PSYC MAJORS ONLY)

In this course you will be introduced to the science of discovering how our bodies and minds interact with the environment to create sensations and perceptions of the world around us. Along the way, you will explore questions such as: How do we see color? Why are we susceptible to illusions? Why do moving objects capture our attention so well? Why are tastes and smells often associated with powerful emotions? And what about pain? This class teaches students about the structure and function of human sensory systems. PreReq: PSYC Major. PSYC 4041 is the equivalent course to 3041 (the courses have been renumbered).

PSYC 4011- COGNITIVE PSYCHOLOGY (4 HRS.) FORMERLY PSYC 3011 (FOR PSYC MAJORS ONLY)

How do we perceive our environment, learn from experience, and make decisions? This course examines the psychological research behind this question. It covers a selection of topics including: perception, object recognition, attention, motor control, memory, problem solving, decision making, and language. The focus is on the interaction between theory and data in mainstream cognitive psychology. Central themes for the course are the nature, structure, and organization of mental representations and of human information processing. PreReq: PSYC 2015 and PSYC 2020. Credit not allowed for both PSYC 3011 and PSYC 3012. PSYC majors must take PSYC 3011 or 4011, not PSYC 3012. PSYC 4011 is the equivalent course to 3011 (the courses have been renumbered).

PSYC 4020 – BIOPSYCHOLOGY (3 HRS.) FORMERLY PSYC 3020

What is the structure of the mammalian nervous system? How does the brain support cognitive functions like vision, movement, emotion, and memory in mammals including humans? How do various diseases like multiple sclerosis, Alzheimer's disease, and drug abuse change the structure and the functioning of the nervous system? This class provides students with a fundamental understanding of neurobiology. (PreReq PSYC 1101 and BIO 1520). 4020 is the equivalent course to 3020.

PSYC 4031- APPLIED EXPERIMENTAL PSYCHOLOGY (4 HRS.)

A capstone course that gives psychology majors the opportunity to apply the methods and analytical tools they have acquired to psychological research. Special focus is placed on the understanding of human capabilities and limitations in the design of technology and environments. (PreReq: PSYC 3011 or 4011). This course is required for PSYC majors not enrolled in Senior Thesis.

PSYC 4090 – COGNITIVE NEUROSCIENCE (3 HRS.)

How do psychologists study the neural processes that support memory, attention, emotion, and other human cognitive processes? This course examines the brain mechanisms underlying a variety of human processes, including: perception, attention, cognitive control, memory, motor control, categorization, language, decision-making, emotion, and neuroscience methodology. Focus is on the interaction between theory and data in mainstream cognitive neuroscience. Central themes for the course are the nature, structure and organization of the neural mechanisms supporting human information processing. (PreReq: PSYC 3011—waived with instructor permission)

PSYC 4803 – NEUROETHICS (3 HRS.)

Neuroethics is an emerging topic of great interdisciplinary interest that considers the implications of findings in neuroscience (broadly defined) on the culture, society, legal system and on how individuals conceive of their nature as human beings. Exploring ethical concerns around neurogenetics, computer intelligence, brain enhancement, and end-of-life issues, are examples that will be discussed.