DEPARTMENT OF
PSYCHOLOGICAL SCIENCES

College of Arts and Sciences
Department of Psychological Sciences
144 Kent Hall
Kent Campus
330-672-2166
psych@kent.edu
www.kent.edu/psychology

Undergraduate Programs
• Psychology - B.A.
• Psychology - B.S.

Minors
• Psychology

Graduate Programs
• Clinical Psychology - M.A.
• Clinical Psychology - Ph.D.
• Psychological Science - M.A.
• Psychological Science - Ph.D.

Department of Psychological Sciences Faculty
• Ben-Porath, Yossef S. (1990), Professor, Ph.D., University of
  Minnesota-Twin Cities, 1989
• Betz, Brian D. (1991), Associate Professor, Ph.D., Ohio University, 1987
• Blasiman, Rachael N. (2010), Assistant Professor, Ph.D., Case
  Western Reserve University, 2010
• Ciesla, Jeffrey (2007), Associate Professor, Ph.D., State University of
  New York at Buffalo, 2004
• Ciesla, Shannon (2007), Assistant Professor, Ph.D., Kent State
  University, 2013
• Coifman, Karin G. (2010), Assistant Professor, Doctorate, Columbia
  University, 2008
• Cremeans-Smith, Julie K. (1998), Associate Professor, Ph.D., Kent
  State University, 2004
• Crowther, Janis H. (1980), Professor and Associate College Dean,
  Ph.D., University of Vermont, 1980
• DeCapito, Alberta L. (1985), Senior Lecturer
• DiFrancisco, Dianne L. (2010), Assistant Professor, Ph.D., Indiana
  State University, 1985
• Dunlosky, John T. (2004), Professor, Ph.D., University of Washington,
  1993
• Flessner, Christopher A. (2011), Assistant Professor, Ph.D., University
  of Wisconsin-Milwaukee, 2008
• Folk, Jocelyn R. (1999), Associate Professor, Ph.D., University of
  South Carolina-Columbia, 1997
• Fountain, Stephen B. (1984), Professor, Ph.D., Johns Hopkins
  University, 1981
• Fox-Cardamone, Donna Lee (1990), Associate Professor, Ph.D., Miami
  University, 1990
• Fresco, David M. (2001), Professor, Ph.D., University of North Carolina-
  Chapel Hill, 1999
• Galati, Ashley R. (2013), Assistant Professor, Ph.D., University of
  Kentucky, 2013
• Gere, Judith (2013), Assistant Professor
• Grau, Josefin M. (1994), Associate Professor, Ph.D., University of
  Illinois-Chicago, 1992
• Gunstad, John J. (2005), Professor, Ph.D., Ohio University, 2002
• Hughes, Joel W. (2003), Professor, Ph.D., The Ohio State University,
  2001
• Jasnow, Aaron (2011), Assistant Professor, Ph.D., Georgia State
  University, 2002
• Jones, Bryan A. (2010), Assistant Professor, Ph.D., State University of
  New York at Stony Brook, 2007
• Jones, Deborah A. (1995), Associate Professor, Ph.D., Miami
  University, 1995
• Joyner, Robin L. (2000), Associate Professor, Ph.D., Texas A&M
  University, 1998
• Keil, Scott W. (1989), Assistant Professor, Ph.D., Kent State
  University, 1997
• Kerns, Kathryn A. (1989), Professor, Ph.D., State University of New
  York at Stony Brook, 1987
• Larson, David A. (1985), Senior Lecturer, M.A., Kent State University,
  1989
• Merriman, William E. (1989), Professor, Ph.D., University of Minnesota-
  Twin Cities, 1984
• Miller, Eric D. (1999), Associate Professor, Ph.D., University of Iowa,
  1999
• Moore, Zachariah (2003), Assistant Professor, Ph.D., Kent State
  University, 2006
• Neal-Barnett, Angela M. (1989), Professor, Ph.D., DePaul University,
  1988
• Rawson, Katherine A. (2004), Professor, Ph.D., University of Colorado-
  Boulder, 2004
• Riccio, David C. (1965), Professor
• Sato, Amy F. (2012), Assistant Professor, Ph.D., University of
  Wisconsin-Milwaukee, 2009
• Sciartelli, Sharon (2008), Ph.D., Associate Professor, Kent State
  University, 1995
• Seckin, Jon A. (2011), Assistant Professor, Ph.D., University of
  Arizona, 2007
• Shepherd, James B. (1986), Assistant Professor, Ph.D., Kent State
  University, 1996
• Spitznagel, Mary Beth (2009), Assistant Professor, Ph.D., Ohio
  University, 2003
• Tabak, Melanie (2003), Assistant Professor
• Thompson, Clarissa A. (2014), Assistant Professor, Ph.D., The Ohio
  State University, 2008
• Tkac, Sharon (1993), Associate Professor, Ph.D., Bowling Green State
  University, 1981
• Toth, Patricia L. (1994), Associate Professor, Ph.D., Kent State
  University, 2000
• Updegraff, Alanna S. (2012), Assistant Professor, Ph.D., University of
  California-Los Angeles, 2003
• Updegraff, John A. (2004), Professor, Ph.D., University of California-Los Angeles, 2002
• Van Dulmen, Manfred H. (2004), Professor, Ph.D., University of Minnesota-Twin Cities, 2001
• Wagor, Walter F. (2010), Professor
• Was, Christopher A., Associate Professor, Ph.D., University of Utah, 2005
• Wildman, Beth G. (1982), Professor, Ph.D., University of North Carolina-Chapel Hill, 1977
• Zaragoza, Maria S. (1984), Professor and Department Chair, Ph.D., Johns Hopkins University, 1984

Psychology (PSYC)

PSYC 11762  GENERAL PSYCHOLOGY (DIVD) (KSS)  3 Credit Hours
Introduction to the scientific approach to understanding human behavior and mental processes such as emotions, perceptions and cognitions. Topics may include personality, social and environmental factors, biological aspects of behavior and the experience of emotion and psychological disorders.
Prerequisite: none.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter
Attributes: Diversity Domestic, Kent Core Social Sciences, TAG Social and Behavioral Sciences, Transfer Module Social Sciences

PSYC 20651  CHILD PSYCHOLOGY (DIVD) (KSS)  3 Credit Hours
A review of the data, concepts and theories of psychology that contribute to the understanding of child development from conception to age 14.
Prerequisite: PSYC 11762.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter
Attributes: Diversity Domestic, Kent Core Social Sciences, TAG Social and Behavioral Sciences, Transfer Module Social Sciences

PSYC 21211  PSYCHOLOGY OF EVERYDAY LIFE (DIVD) (KSS)  3 Credit Hours
A review of theories, concepts and data that contribute to the understanding of human adjustment. Topics may include the following: personality, stress and coping, transitions from adolescence to adulthood, psychological disorders and psychotherapy.
Prerequisite: PSYC 11762.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter
Attributes: Diversity Domestic, Kent Core Social Sciences, TAG Social and Behavioral Sciences, Transfer Module Social Sciences

PSYC 21621  QUANTITATIVE METHODS IN PSYCHOLOGY I  3 Credit Hours
Application of quantitative, statistical methods in psychological research. Descriptive and inferential methods (includes ANOVA, t-test and correlation).
Prerequisite: PSYC 11762.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 22221  MULTICULTURAL PSYCHOLOGY (DIVD) (KSS)  3 Credit Hours
Examination of areas of psychology upon which diversity issues have a bearing and focused study of psychological issues relevant to African-American, Asian-American, Hispanic/Latino American and American Indian groups.
Prerequisite: PSYC 11762.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter
Attributes: Diversity Domestic, Kent Core Social Sciences, Transfer Module Social Sciences

PSYC 30005  CAREER PATHWAYS IN PSYCHOLOGY  1 Credit Hour
Designed to equip students with a better understanding of the career pathways available to them in psychology at the bachelor's and graduate school level. Using a combination of videos, articles, and activities, students will learn about many different topics and strategies related to careers and the graduate school application process.
Prerequisite: PSYC 11762.
Schedule Type: Lecture
Contact Hours: 1 lecture
Grade Mode: Standard Letter

PSYC 30111  FORENSIC PSYCHOLOGY  3 Credit Hours
Surveys major areas of forensic psychology, which focuses on the application of the science and profession of psychology to legal settings. Topics include roles and responsibilities of forensic psychologists, forensic assessment, psychological theories of criminal behavior, law enforcement psychology and eyewitness testimony.
Prerequisite: PSYC 11762.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 30651  ADOLESCENT PSYCHOLOGY  3 Credit Hours
A review of the theories, concepts and data that contribute to our understanding of the physical, intellectual, educational, personality and social development of adolescents in contemporary society.
Prerequisite: PSYC 11762.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 30652  SOCIAL AND PERSONALITY DEVELOPMENT  3 Credit Hours
Processes and findings in social and personality development, with a focus on childhood and adolescence. Will include the examination of individual differences as well as developmental changes in social function and personality.
Prerequisite: PSYC 11762; and PSYC 20651 or HDFS 24012.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter
PSYC 30655 CHILDREN'S THINKING 3 Credit Hours
Focuses on how children's cognitive processes and mental representations change from infancy to early adulthood. Theoretical claims, empirical findings, and methodological issues are critically evaluated. Topics include children's visual and auditory perception, language and literacy, learning and memory, mathematical and spatial thinking, logical and scientific reasoning, problem solving, theory of mind and social cognition.
Prerequisite: PSYC 11762; and PSYC 20651 or HDFS 24012.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 30656 PSYCHOLOGY OF AGING 3 Credit Hours
Exploration of basic research and theory on the psychological consequences of aging and psychological factors that affect the behavior of older persons.
Prerequisite: PSYC 11762.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 30821 PSYCHOLOGY OF MOTIVATION 3 Credit Hours
Factors that provide the energy and direction for behaviors, emotions and cognitive processes. Seeks to answer the question "why" concerning the things people do, feel and think. A survey approach is used to include both the traditional and newly emerging concepts in motivation.
Prerequisite: PSYC 11762.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 31141 PERCEPTION 3 Credit Hours
Investigates how humans detect, organize and interpret information from the environment. Considers how both biological and psychological process create and influence our perception of the world.
Prerequisite: PSYC 11762.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 31282 PERSONALITY 3 Credit Hours
A review of the data, concepts and theories of psychology that contribute to the understanding of personality.
Prerequisite: PSYC 11762.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter
Attributes: TAG Social and Behavioral Sciences

PSYC 31498 UNDERGRADUATE RESEARCH (ELR) 1-6 Credit Hours
(Repeatable for a maximum 16 credit hours) Individual research open to qualified students. See Arts and Sciences and psychology major/minor requirements for applicability repeatable limits.
Prerequisite: PSYC 11762 and special approval.
Schedule Type: Research
Contact Hours: 1-6 other
Grade Mode: Satisfactory/Unsatisfactory-IP
Attributes: Experiential Learning Requirement

PSYC 31532 SOCIAL PSYCHOLOGY 3 Credit Hours
Study of environmental/situational influences on our own and others' thoughts, behaviors and feelings-focus on topics such as aggression, attitudes and behaviors, conformity, helping, personal relationships and social cognition.
Prerequisite: PSYC 11762.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter
Attributes: TAG Social and Behavioral Sciences

PSYC 31574 RESEARCH METHODS IN PSYCHOLOGY (ELR) 3 Credit Hours
The rationale, logic and procedures of scientific research in psychology with an emphasis on measurement, causal inference and research design.
Prerequisite: PSYC 11762 and PSYC 21621.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter
Attributes: Experiential Learning Requirement

PSYC 31634 ANIMAL COGNITION 3 Credit Hours
Focuses on the nature of cognition and intelligence in nonhuman animals. Topics include animal studies of perception and attention, associative learning, memory, spatial cognition, concept formation, reasoning and language in nonhuman animals.
Prerequisite: PSYC 11762.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 31684 QUANTITATIVE METHODS IN PSYCHOLOGY II 3 Credit Hours
Small sample theory, analysis of variance, linear regression and nonparametric statistics (e.g. Chi Square). This course may include qualitative analyses and computer based data analyses with SPSS.
Prerequisite: PSYC 21621.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 31773 INDUSTRIAL PSYCHOLOGY 3 Credit Hours
Application of principles, facts and theories of psychology to people at work. Includes motivation and satisfaction at work, personnel selection and placement, training and development, performance appraisal, organizational development, quality of work life, ergonomics and consumer psychology.
Prerequisite: PSYC 11762.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 40111 ABNORMAL PSYCHOLOGY 3 Credit Hours
Survey of the definitions as well as the biological, psychological and sociocultural causes of various psychological disorders. Illustrations of these disorders with cases. Overview of treatment approaches to these disorders may be included.
Prerequisite: PSYC 11762.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter
Attributes: TAG Social and Behavioral Sciences

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PSYC 40112  PSYCHOLOGICAL DISORDERS OF CHILDHOOD AND ADOLESCENCE  3 Credit Hours
Covers the biological, psychological, and socio-cultural factors influencing the development of psychological disorders in children and adolescents. Emphasis is placed on conceptual and research issues and the application of knowledge to understanding diagnosis and case studies of specific disorders.
Prerequisite: PSYC 11762; and PSYC 20651 or PSYC 30651 or HDFS 24012; and junior or senior standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 40231  PSYCHOLOGICAL ASSESSMENT  3 Credit Hours
Introduction to psychometrics and test theory. Use and basic interpretation of intellectual and personality tests. Skills in using tests at a professional level not given.
Prerequisite: PSYC 11762 and PSYC 21621.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 40382  PEDIATRIC PSYCHOLOGY  3 Credit Hours
(Slashed with PSYC 50382 and PSYC 70382) Survey of the current topics and research in the field of pediatric, or child health, psychology. Includes a general overview of a number of pediatric psychology topics, including opportunities for more focused study of specific conditions and illnesses. Class sessions cover a mix of general issues (e.g., systems, adherence, diversity, stress and coping), descriptions of clinical roles in pediatric psychology (e.g., consultation liaison, multidisciplinary teams) and specific pediatric conditions with a focus on understanding the role of pediatric psychology.
Prerequisite: PSYC 20651; and junior standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 40383  INTRODUCTION TO CLINICAL PSYCHOLOGY  3 Credit Hours
Application of psychological principles and techniques to the problems of the individual. This course is designed to introduce the field of clinical psychology, including models of understanding abnormal behavior, treatment of individuals and ethics and professional issues.
Prerequisite: PSYC 11762.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 40445  COGNITIVE PSYCHOLOGY  3 Credit Hours
Covers the mental processes that underlie human thought and behavior, such as attention, memory, comprehension, reasoning, problem-solving and language. Considers established and current theoretical models, research methods and experimental results.
Prerequisite: PSYC 11762.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 40446  COGNITIVE NEUROSCIENCE  3 Credit Hours
Covers the cognitive and neural processes that underlie vision, attention, spatial processing, memory, language, social processes, executive functioning, and action. Introduces basic brain structure and the behavioral and functional imaging techniques used to study the brain bases of cognition. Data from patients with neurological disorders such as Alzheimer’s, aphasia, amnesia and others are also be examined.
Prerequisite: PSYC 11762.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 40461  PSYCHOLOGY OF LANGUAGE  3 Credit Hours
Investigates psychological processes involved in language production, comprehension and development. Within each broad area emphasis is on theories, psychological experiments, key findings and the relationships between theory, method and data.
Prerequisite: PSYC 11762 and PSYC 40445.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 40525  DEVELOPMENT OF GENDER ROLE AND IDENTITY (DIVD)  3 Credit Hours
A life-span, developmental model is used to analyze the changes which occur with age in gender-related role performance and identity formation.
Prerequisite: PSYC 11762.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter
Attributes: Diversity Domestic

PSYC 40974  HISTORY OF PSYCHOLOGY  3 Credit Hours
(Slashed with PSYC 50974) Course examines the historical context, influences and individuals instrumental in the development of psychology. Course organization is designed to compare and contrast systems, theories and fundamental issues with which psychologists have concerned themselves in past and contemporary stages of the science.
Prerequisite: PSYC 11762 and special approval.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 41043  BASIC LEARNING PROCESSES  3 Credit Hours
Examination of basic principles of Pavlovian conditioning, instrumental conditioning, animal learning and memory processes, and animal cognition. Emphasis on major empirical phenomena derived from research with animals with reference to related psychological processes in humans.
Prerequisite: PSYC 11762.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter
PSYC 41364  DRUGS AND BEHAVIOR  3 Credit Hours
Provides an overview of drug taking in society, the actions of drugs in the body, and the effects of drugs on behavior. Focus is on drugs and the nervous system, psychopharmacology, and actions and side effects of such drugs as alcohol, opiates, stimulants, marijuana, hallucinogens, depressants, and performance-enhancing drugs. Particular focus is on medications for psychiatric disorders, abuse-potential and the causes of addiction, dependence and relapse.
Prerequisite: PSYC 11762.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 41395  SPECIAL TOPICS IN CHILD PSYCHOLOGY  3 Credit Hours
(Slashed with PSYC 51395 and PSYC 71395) (Repeatable for Credit)
In-depth examination of particular topics of current interest to faculty and students. Specialized areas of child psychology. Specific topics announced.
Prerequisite: None.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 41498  INDIVIDUAL INVESTIGATION (ELR)  1-6 Credit Hours
(Repeatable for a maximum of 16 credit hours) Involves participation in empirical research, review of psychological literature and preparation of a paper or annotated bibliography. See Arts and Sciences and psychology major/minor requirements for applicability repeatable limits.
Prerequisite: PSYC 11762 and special approval.
Schedule Type: Individual Investigation
Contact Hours: 1-6 other
Grade Mode: Standard Letter-IP
Attributes: Experiential Learning Requirement

PSYC 41574  LABORATORY EXPERIENCE IN PSYCHOLOGICAL RESEARCH:SOCIAL/CLINICAL (WIC)  3 Credit Hours
Intensive experience in the conduct, analysis and reporting of empirical research in social or clinical psychology. Specific content varies with instructor. Repeatable once with instructor, and departmental permission if topic is different.
Prerequisite: 3.200 GPA and PSYC 11762 and PSYC 21621 and PSYC 31574.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter
Attributes: Writing Intensive Course

PSYC 41581  HEALTH PSYCHOLOGY  3 Credit Hours
Role of psychological and social factors in health and illness, typically covering three general areas: (1) psychological factors affecting disease, (2) psychological and social consequences of illness and (3) psychotherapeutic interventions.
Prerequisite: PSYC 11762.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 41584  THE PSYCHOLOGY OF EXERCISE  3 Credit Hours
Provides an introduction to exercise psychology, which is the application of psychology to promote, maintain, enhance, and explain the parameters of exercise. This course will introduce students to the cutting-edge research and practical application of exercise psychology. Topics include use of psychological theory to predict adoption and adherence to exercise behavior; social and personality influences on exercise behavior; research on effectiveness of various exercise interventions; and consequences of exercise, including mental health states such as depression and anxiety, emotional well-being, self-esteem, self-concept, health-related quality of life, and cognition.
Prerequisite: PSYC 11762.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter
PSYC 41595  SPECIAL TOPICS IN COUNSELING CAREERS  3 Credit Hours
(Repealable for credit) In-depth examination of particular topics of current interest to faculty and students. Specialized areas of psychology relevant to counseling careers. Special topics to be announced.
Pre/Co-requisite: None.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 41980  RESEARCH WRITING IN PSYCHOLOGY (WIC)  1 Credit Hour
Writing-intensive course taken in conjunction with PSYC 31574. Pre/Co-requisite: PSYC 31574.
Schedule Type: Lecture
Contact Hours: 1 lecture
Grade Mode: Standard Letter
Attributes: Writing Intensive Course

PSYC 41990  WRITING IN PSYCHOLOGY (WIC)  1 Credit Hour
Writing-intensive course taken in conjunction with a 3-credit-hour, upper-division psychology course (except PSYC 31498, 41498, 41573, 41574 or 41993).
Pre-requisite: special approval.
Schedule Type: Lecture
Contact Hours: 1 lecture
Grade Mode: Standard Letter
Attributes: Writing Intensive Course

PSYC 41993  VARIABLE TITLE WORKSHOP IN PSYCHOLOGY  1-6 Credit Hours
(Repeatable for credit) Variable topic offered as need arises. Specific topics will be announced in the schedule of classes.
Pre-requisite: PSYC 11762 and special approval.
Schedule Type: Workshop
Contact Hours: 1-6 other
Grade Mode: Satisfactory/Unsatisfactory

PSYC 42574  ADVANCED RESEARCH METHODS  3 Credit Hours
This course helps students integrate information learned in previous courses to better understand the process of conducting research in the field of psychology. Through hands-on experiences, students undertake the following: (1) Using basic statistical analyses to answer hypotheses; (2) Reviewing the scientific literature and generating hypotheses; (3) Testing hypotheses using a dataset; (4) Presenting research findings.
Pre-requisite: PSYC 31574.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 43001  CLINICAL NEUROANATOMY  3 Credit Hours
(Repealable with PSYC 53001 and PSYC 73001; Cross-listed with BMS 50701 and 70701) This course examines the anatomical organization of the human brain, emphasizing functional aspects of various neural systems, neuroimaging, and topics of clinical relevance. A conceptual understanding of central nervous system organization and memorization of specific neural structures and pathways, as well as knowledge of the impact of structure and systems dysfunction is required.
Pre-requisite: Junior standing; minimum 3.250 overall GPA; and special approval.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 43002  CURRENT TECHNIQUES IN BEHAVIORAL NEUROSCIENCE  3 Credit Hours
(Repealable with PSYC 53002 and 73002; Cross-listed with BMS 50702 and BMS 70702) This course details current and advanced techniques used in behavioral neuroscience research. Emphasis is placed on understanding the theory behind each technique, and its use in understanding the neural mechanisms of behavior. Detailed protocols for each technique are also covered. 250 overall GPA; and junior standing; and special approval from instructor.
Pre-requisite: minimum B grade in BSCI 30140 or BSCI 30156 or BSCI 30520 or PSYC 41363; and minimum 3.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 43003  NEURAL MECHANISMS OF LEARNING AND MEMORY  3 Credit Hours
(Repealable with PSYC 53003 and PSYC 73003; cross-listed with BMS 50703 and BMS 70703) This course examines the neural and molecular mechanisms underlying learning and memory formation. Cellular mechanisms of learning, including long-term potentiation and basic electrophysiology in invertebrate and mammalian preps are covered. Transcriptional and post-translational modifications required for learning and memory formation, genomic signaling and protein synthesis. The course covers structural changes of neurons associated with memory formation, and the different behavioral methods for studying memory.
Pre-requisite: minimum B grade in BSCI 30520 or PSYC 41363; and minimum 3.250 overall GPA; and junior standing; and special approval of instructor.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 43838  THE MIND OF A CHAMPION: INTRODUCTION TO SPORT PSYCHOLOGY  3 Credit Hours
Sport psychology is the science dedicated to understanding psychological factors that influence athletic performance and is used by elite athletes in all sports to boost their performance. This course will introduce students to the cutting-edge research and practical application of sport psychology. Topics include: Role of personality and motivation in sports; leadership and team dynamics; methods to improve athletic performance and psychological benefits of sports and exercise.
Pre-requisite: PSYC 11762.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 43885  BROKEN BRAINS: INTRODUCTION TO CLINICAL NEUROPSYCHOLOGY  3 Credit Hours
Clinical neuropsychology is the study of brain-behavior relationships – or, the ways in which the brain allows us to think, feel, and behave in our everyday life. This course will introduce students to cutting-edge research into the inner workings of the brain in both healthy individuals and those with neurological disorders (e.g. Alzheimer’s disease, brain injury, ADHD, bipolar disorder). Topics will include: Organization of the brain; how we learn, pay attention, and solve problems; brain plasticity; neurological disorders and neuropsychological assessment.
Pre-requisite: PSYC 11762.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter
PSYC 47387  NEUROPSYCHOPHARMACOLOGY  3 Credit Hours
(Slashed with PSYC 57387 and PSYC 77387) Neuropsychopharmacology is the study of how drugs and other chemicals affect brain and behavior. This course will introduce students to the behavioral effects of psychoactive/atherapeutic drugs and neurotoxic chemicals in relation to their neural and molecular mechanisms of action. The course will cover general principles of neuropsychopharmacology, nervous system structure in relation to behavior and mind, brain and behavioral systems that are impacted by different classes of drugs and toxic chemicals, and methods employed in neuropsychopharmacology research.
Prerequisite: PSYC 11762.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 50382  PEDIATRIC PSYCHOLOGY  3 Credit Hours
(Slashed with PSYC 40382 and PSYC 70382) Survey of the current topics and research in the field of pediatric, or child health, psychology. Includes a general overview of a number of pediatric psychology topics, including opportunities for more focused study of specific conditions and illnesses. Class sessions cover a mix of general issues (e.g., systems, adherence, diversity, stress and coping), descriptions of clinical roles in pediatric psychology (e.g., consultation liaison, multidisciplinary teams) and specific pediatric conditions with a focus on understanding the role of pediatric psychology.
Prerequisite: Graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 50974  HISTORY OF PSYCHOLOGY  3 Credit Hours
(Slashed with PSYC 40974) Course examines the historical context, influences and individuals instrumental in the development of psychology. Course organization is designed to compare and contrast systems theories and fundamental issues with which psychologists have concerned themselves in past and contemporary states of the science.
Prerequisite: Graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 51395  SPECIAL TOPICS IN CHILD PSYCHOLOGY  3 Credit Hours
(Slashed with PSYC 41395 and PSYC 71395) (Repeatable for credit) In-depth examination of particular topics of current interest to faculty and students. Specialized areas of psychology relevant to counseling careers. Special topics to be announced.
Prerequisite: Graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 51595  SPECIAL TOPICS IN COUNSELING CAREERS  3 Credit Hours
(Slashed with PSYC 41595 and PSYC 71595) (Repeatable for credit) In-depth examination of particular topics of current interest to faculty and students. Specialized areas of psychology relevant to counseling careers. Special topics to be announced.
Prerequisite: Graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 51993  VARIABLE TITLE WORKSHOP IN PSYCHOLOGY  1-6 Credit Hours
(Repeatable for credit)Variable topics offered as need arises to train in specific area of field. Specific topics will be announced in schedule of classes.
Prerequisite: Special approval and graduate standing.
Schedule Type: Workshop
Contact Hours: 1-6 other
Grade Mode: Satisfactory/Unsatisfactory

PSYC 53001  CLINICAL NEUROANATOMY  3 Credit Hours
(Slashed with PSYC 43001 and PSYC 73001; Cross-listed with BMS 50701 and BMS 70701) This course examines the anatomical organization of the human brain, emphasizing functional aspects of various neural systems, neuroimaging, and topics of clinical relevance. A conceptual understanding of central nervous system organization and memorization of specific neural structures and pathways, as well as knowledge of the impact of structure and systems dysfunction is required.
Prerequisite: Graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 53002  CURRENT TECHNIQUES IN BEHAVIORAL NEUROSCIENCE  3 Credit Hours
(Slashed with PSYC 43002 and PSYC 73002; Cross-listed with BMS 50702 and BMS 70702) This course details current and advanced techniques used in behavioral neuroscience research. Emphasis is placed on understanding the theory behind each technique, and its use in understanding the neural mechanisms of behavior. Detailed protocols for each technique will also be covered. Students should contact the instructor for permission to enroll.
Prerequisite: Graduate standing; and special approval.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 53003  NEURAL MECHANISMS OF LEARNING AND MEMORY  3 Credit Hours
(Slashed with PSYC 43003 and PSYC 73003; Cross-listed with BMS 50703 and BMS 70703) This course examines the neural and molecular mechanisms underlying learning and memory formation. Cellular mechanisms of learning, including long-term potentiation and basic electrophysiology in invertebrate and mammalian preps are covered. Transcriptional and post-translational modifications required for learning and memory formation, genomic signaling and protein synthesis. The course covers structural changes of neurons associated with memory formation, and the different behavioral methods for studying memory.
Prerequisite: Graduate standing; and special approval.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter
PSYC 57387  NEUROPSYCHOPHARMACOLOGY  3 Credit Hours
(Slashed with PSYC 47387 and PSYC 77387) Neuropsychopharmacology is the study of how drugs and other chemicals affect brain and behavior. This course will introduce students to the behavioral effects of psychoactive/therapeutic drugs and neurotoxic chemicals in relation to their neural and molecular mechanisms of action. The course will cover general principles of neuropsychopharmacology, nervous system structure in relation to behavior and mind, brain and behavioral systems that are impacted by different classes of drugs and toxic chemicals, and methods employed in neuropsychopharmacology research.
Prerequisite: Graduate standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 60105  DEVELOPMENTAL PSYCHOPATHOLOGY  3 Credit Hours
(Slashed with PSYC 70105) Nature and theoretical explanations of various forms of psychopathology in children and adults. Students will learn about the methods used to research psychopathology and understand contemporary controversies in the study of developmental psychopathology.
Prerequisite: Graduate standing in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 60110  INTRODUCTION TO PSYCHOPATHOLOGY: CHILD  3 Credit Hours
Introduction to psychopathology from a developmental perspective. Covers models of classification and specific disorders of childhood.
Prerequisite: Graduate standing in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 60170  INTRODUCTION TO PSYCHOPATHOLOGY: ADULT  3 Credit Hours
An examination of the etiology, symptomology and theoretical models of adult psychopathology.
Prerequisite: Graduate status in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 60192  INTEGRATION PRACTICUM  1-3 Credit Hours
(Repeatable for credit)Integration of assessment, psychopathology and psychotherapy coursework. Emphasis on learning how to conceptualize cases in general and from differing theoretical perspectives.
Prerequisite: PSYC 6/70292 and PSYC 6/70792 and graduate standing in psychology.
Schedule Type: Lecture, Practicum or Internship
Contact Hours: 1-3 lecture
Grade Mode: Standard Letter-S/U-IP

PSYC 60272  INTRODUCTION TO PSYCHOLOGICAL ASSESSMENT  3 Credit Hours
Introduction to psychological assessment as a process for solving important clinical problems. Theoretical methodological and research issues are emphasized. Students will also become familiar with major psychological tests.
Prerequisite: Graduate standing in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 60273  ADVANCED PSYCHOLOGICAL ASSESSMENT:ADULT  3 Credit Hours
Examines psychodiagnosis within a context of “personality-as-a-coherent-whole.” Emphasizes an ideographic approach with a theoretical framework, which organizes and gives meaning to observations.
Prerequisite: PSYC 6/70272 and graduate standing in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 60274  ADVANCED PSYCHOLOGICAL ASSESSMENT:CHILD  3 Credit Hours
Interviewing, developmental and intellectual assessments personality evaluations behavioral assessments and assessment of special child populations. Emphasis on the rationale and integration of research relevant to appropriate use and interpretation.
Prerequisite: PSYC 6/70272 and PSYC 6/70292; and graduate standing in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 60275  BEHAVIORAL ASSESSMENT  3 Credit Hours
Considers behavioral assessment from an empirical as well as an applied perspective. Intended for persons familiar with general assessment, psychopathology and psychotherapy issues.
Prerequisite: PSYC 6/70272 and PSYC 6/70292; and graduate standing in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 60276  NEUROPSYCHOPHARMACOLOGICAL ASSESSMENT  3 Credit Hours
Introduction to the conceptual foundations of neuropsychopharmacological assessment and practical knowledge in assessment procedures, methods of interpretation and differential diagnosis.
Prerequisite: Graduate standing in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 60292  PSYCHOLOGICAL ASSESSMENT PRACTICUM  1-3 Credit Hours
(Repeatable for credit)Applied aspects of material presented in PSYC 6/70272. Emphasis on administering, scoring and interpreting major assessment tools.
Prerequisite: Concurrent enrollment in PSYC 6/70272; and graduate standing in psychology.
Schedule Type: Practicum or Internship
Contact Hours: 3 other
Grade Mode: Standard Letter-S/U-IP

PSYC 60324  PROFESSIONAL ISSUES AND ETHICS IN CLINICAL PSYCHOLOGY  3 Credit Hours
Review of professional concerns in the field, including training, ethics, client rights, economics, legal issues, relationship to other professions and professional organization and policy.
Prerequisite: Graduate standing in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter
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PSYC 61199  THESIS I  2-6 Credit Hours
Thesis students must register for a total of 6 hours, 2 to 6 hours in a single semester distributed over several semesters if desired.
**Prerequisite:** Special approval and graduate standing.
**Schedule Type:** Masters Thesis
**Contact Hours:** 2-6 other
**Grade Mode:** Satisfactory/Unsatisfactory-IP

PSYC 61260  THEORIES OF PERSONALITY  3 Credit Hours
Consideration of major theoretical orientations including psychoanalysis, phenomenology and those stressing learning. Emphasis on principal concepts deals less with research methods and findings.
**Prerequisite:** Graduate standing in psychology.
**Schedule Type:** Lecture
**Contact Hours:** 3 lecture
**Grade Mode:** Standard Letter

PSYC 61299  THESIS II  2 Credit Hours
Thesis students must continue registration each semester until all degree requirements if department approves and if letter grade or "S" is given.
**Prerequisite:** PSYC 61199 and graduate standing.
**Schedule Type:** Masters Thesis
**Contact Hours:** 2 other
**Grade Mode:** Satisfactory/Unsatisfactory-IP

PSYC 61350  PHYSIOLOGICAL PSYCHOLOGY  3 Credit Hours
Neurophysiological, neurochemical and neuroanatomical factors in the control of cognitive processes motivation and behavior. Emphasis is on the broad coverage of major topics in the field.
**Prerequisite:** Graduate standing in psychology.
**Schedule Type:** Lecture
**Contact Hours:** 3 lecture
**Grade Mode:** Standard Letter

PSYC 61496  INDIVIDUAL INVESTIGATION  3 Credit Hours
(Intensive pursued as of a subject matter beyond normal course coverage with possibility of associated research.
**Prerequisite:** Special approval and graduate standing.
**Schedule Type:** Individual Investigation
**Contact Hours:** 3 other
**Grade Mode:** Standard Letter-S/U-IP

PSYC 61498  RESEARCH  1-15 Credit Hours
(Repeatable for credit) Research or individual investigation for master’s level graduate students. Credits may be applied toward meeting degree requirements if department approves and if letter grade or "S" is given.
**Prerequisite:** Graduate standing and special approval.
**Schedule Type:** Research
**Contact Hours:** 1-15 other
**Grade Mode:** Standard Letter-S/U-IP

PSYC 61548  PSYCHOLOGY OF GENDER AND MINORITIES  3 Credit Hours
Neurophysiological, neurochemical and neuroanatomical factors in the control of cognitive processes motivation and behavior. Emphasis is on the broad coverage of major topics in the field.
**Prerequisite:** Graduate standing in psychology.
**Schedule Type:** Lecture
**Contact Hours:** 3 lecture
**Grade Mode:** Standard Letter

PSYC 61580  SOCIAL PSYCHOLOGY  3 Credit Hours
Introduction to empirical research and theories on the psychological processes related to interpersonal and small group behavior.
**Prerequisite:** Graduate standing in psychology.
**Schedule Type:** Lecture
**Contact Hours:** 3 lecture
**Grade Mode:** Standard Letter

PSYC 61651  QUANTITATIVE STATISTICAL ANALYSIS I  3 Credit Hours
(Repeatable with PSYC 71651) Review of univariate statistics and an introduction to using bivariate and multivariate statistics. Part one of a two semester sequence on statistical analysis.
**Prerequisite:** Graduate standing in psychology and special approval.
**Schedule Type:** Lecture
**Contact Hours:** 3 lecture
**Grade Mode:** Standard Letter

PSYC 61654  QUANTITATIVE STATISTICAL ANALYSIS II  3 Credit Hours
(Repeatable with PSYC 71654) Multivariate statistics for classifying individuals and variables. Additional topics include power/effect size and handling missing data. Part two of a two-semester sequence on statistical analysis.
**Prerequisite:** PSYC 61651 or 71651 and graduate standing in psychology.
**Schedule Type:** Lecture
**Contact Hours:** 3 lecture
**Grade Mode:** Standard Letter

PSYC 61685  CLINICAL RESEARCH METHODS  3 Credit Hours
Consideration of research methodologies relevant to clinical psychology with emphasis on strengths and weaknesses of research designs and issues related to collection and evaluation of data.
**Prerequisite:** Graduate standing in psychology.
**Schedule Type:** Lecture
**Contact Hours:** 3 lecture
**Grade Mode:** Standard Letter

PSYC 61993  VARIABLE TITLE WORKSHOP IN PSYCHOLOGY  1-6 Credit Hours
(Repeatable for a maximum of 6 credit hours) Training and experience in college teaching.
**Prerequisite:** Graduate standing in psychology (PSYC).
**Schedule Type:** Workshop
**Contact Hours:** 1-6 other
**Grade Mode:** Satisfactory/Unsatisfactory

PSYC 62392  CLINICAL PRACTICUM  1-3 Credit Hours
(Repeatable for credit) Beginning practicum in psychological clinic involving selection, administration and evaluation of tests of ability and personality.
**Prerequisite:** Special approval and graduate standing.
**Schedule Type:** Practicum or Internship
**Contact Hours:** 1-3 other
**Grade Mode:** Standard Letter-S/U-IP

PSYC 62492  ADVANCED PRACTICUM  1-3 Credit Hours
(Repeatable for credit) Intensified experience in the diagnosis and treatment of specific disorders from the scientist-practitioner model.
**Prerequisite:** PSYC 6/70192 and PSYC 6/70292 and PSYC 6/70792; and graduate standing in psychology.
**Schedule Type:** Practicum or Internship
**Contact Hours:** 1-3 other
**Grade Mode:** Standard Letter-S/U-IP
PSYC 62685 RESEARCH METHODS IN PSYCHOLOGICAL SCIENCE 3 Credit Hours
(Slashed with PSYC 72685) This course fosters the development of graduate students as independent researchers by helping them acquire knowledge of and facility with quantitative research methods in psychology. The course covers a range of topics that are essential for successful research in psychology, including formulating research questions, measurement, research design, sampling, ethics, writing, replication, and validity.
Prerequisite: Graduate standing in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 70105 DEVELOPMENTAL PSYCHOPATHOLOGY 3 Credit Hours
(Slashed with PSYC 60105) Nature and theoretical explanations of various forms of psychopathology in children and adults. Students will learn about the methods used to research psychopathology and understand contemporary controversies in the study of developmental psychopathology.
Prerequisite: Doctoral standing in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 70110 INTRODUCTION TO PSYCHOPATHOLOGY: CHILD 3 Credit Hours
Introduction to psychopathology from a developmental perspective. Covers models of classification and specific disorders of childhood.
Prerequisite: Doctoral standing in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 70170 INTRODUCTION TO PSYCHOPATHOLOGY: ADULT 3 Credit Hours
An examination of the etiology, symptomology and theoretical models of adult psychopathology.
Prerequisite: Doctoral status in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 70192 INTEGRATION PRACTICUM 1-3 Credit Hours
(Repeatable for credit)Integration of assessment, psychopathology and psychotherapy coursework. Emphasis on learning how to conceptualize cases in general and from differing theoretical perspectives.
Prerequisite: PSYC 6/70292 and PSYC 6/70792; and doctoral standing in psychology.
Schedule Type: Lecture, Practicum or Internship
Contact Hours: 3 lecture
Grade Mode: Standard Letter-S/U-IP

PSYC 70272 INTRODUCTION TO PSYCHOLOGICAL ASSESSMENT 3 Credit Hours
Introduction to psychological assessment as a process for solving important clinical problems. Theoretical methodological and research issues are emphasized. Students will also become familiar with major psychological tests.
Prerequisite: Doctoral standing in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 70273 ADVANCED PSYCHOLOGICAL ASSESSMENT:ADULT 3 Credit Hours
Examines psychodiagnosis within a context of “personality-as-a-coherent-whole.” Emphasizes an ideographic approach with a theoretical framework, which organizes and gives meaning to observations.
Prerequisite: PSYC 6/70272 and doctoral standing in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 70274 ADVANCED PSYCHOLOGICAL ASSESSMENT:CHILD 3 Credit Hours
Interviewing, developmental and intellectual assessments, personality evaluations, behavioral assessments, and assessment of special child populations. Emphasis on the rationale and integration of research relevant to appropriate use and interpretation.
Prerequisite: PSYC 6/70272 and PSYC 6/70292; and doctoral standing in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 70275 BEHAVIORAL ASSESSMENT 3 Credit Hours
Considers behavioral assessment from an empirical as well as an applied perspective. Intended for persons familiar with general assessment, psychopathology and psychotherapy issues.
Prerequisite: PSYC 6/70272 and PSYC 6/70292; and doctoral standing in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 70276 NEUROPSYCHOLOGICAL ASSESSMENT 3 Credit Hours
Introduction to the conceptual foundations of neuropsychological assessment and practical knowledge in assessment procedures, methods of interpretation and differential diagnosis.
Prerequisite: Doctoral standing in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 70292 PSYCHOLOGICAL ASSESSMENT PRACTICUM 1-3 Credit Hours
(Repeatable for credit)Applied aspects of material presented in PSYC 6/70272. Emphasis on administering, scoring and interpreting major assessment tools.
Prerequisite: Concurrent enrollment in PSYC 6/70272 and doctoral standing in psychology.
Schedule Type: Practicum or Internship
Contact Hours: 1-3 other
Grade Mode: Standard Letter-S/U-IP

PSYC 70324 PROFESSIONAL ISSUES AND ETHICS IN CLINICAL PSYCHOLOGY 3 Credit Hours
Review of professional concerns in the field, including training, ethics, client rights, economics, legal issues, relationship to other professions and professional organization and policy.
Prerequisite: Doctoral standing in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter
PSYC 70326  CLINICAL ASPECTS OF HEALTH PSYCHOLOGY  3 Credit Hours
Consideration of psychosocial influences on health status that are relevant to the clinician. Attention is given to interventions on both individual and community levels. Emphasis on approaches to prevention treatment and public policy.
Prerequisite: Doctoral standing in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 70371  INTRODUCTION TO PSYCHOLOGICAL THERAPY  3 Credit Hours
Introduction to psychotherapy with special emphasis on psychodynamic and phenomenological approaches with theory, technique and major research findings considered.
Prerequisite: Doctoral standing in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 70373  FAMILY THERAPY  3 Credit Hours
Consideration of major theories, approaches and research in family therapy. Practical experience in conducting family therapy through supervision and discussion of ongoing cases.
Prerequisite: PSYC 6/70371 and PSYC 6/70792; and doctoral standing in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter-S/U-IP

PSYC 70413  COGNITIVE NEUROPSYCHOLOGY  3 Credit Hours
The effect of brain injury and anomalous neurological development on cognitive skills such as language, perception and memory are explored.
Prerequisite: Doctoral standing in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 70382  PEDIATRIC PSYCHOLOGY  3 Credit Hours
Slashed with PSYC 40382 and PSYC 50382 Survey of the current topics and research in the field of pediatric, or child health, psychology. Includes a general overview of a number of pediatric psychology topics, including opportunities for more focused study of specific conditions and illnesses. Class sessions cover a mix of general issues (e.g., systems, adherence, diversity, stress and coping), descriptions of clinical roles in pediatric psychology (e.g., consultation liason, multidisciplinary teams) and specific pediatric conditions with a focus on understanding the role of pediatric psychology.
Prerequisite: Doctoral standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 70392  SUPERVISED CLINICAL EXPERIENCE  1-3 Credit Hours
(Repeatable for credit)Post-practicum, psychological service provision and/or research activities in institution or agency under supervision of licensed psychologist and by arrangement of department of psychology. Requires successful completion of PSYC 6/72392.
Prerequisite: PSYC 6/72392 and special approval; and doctoral standing.
Schedule Type: Field Experience
Contact Hours: 1-3 other
Grade Mode: Standard Letter-S/U-IP

PSYC 70453  INTRODUCTION TO COGNITIVE PSYCHOLOGY  3 Credit Hours
Introduction to cognitive psychology. Information-processing approaches to human thought. Focus on processes used to transform, store, manipulate and retrieve sensory input. Topics include attention, pattern recognition, memory and language.
Prerequisite: Doctoral standing in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 70485  READING PROCESSES  3 Credit Hours
Analysis of basic psychological processes involved in reading with emphasis on models of the skilled reader and of learning to read. Current research is surveyed.
Prerequisite: Doctoral standing in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 70592  PRACTICUM IN DIAGNOSTIC INTERVIEWING  1-3 Credit Hours
(Repeatable for maximum 3 credit hours) (Slashed with PSYC 60592) Covers skills clinical psychologists must posses to help clients, effectively work within the field, communicate effectively with peers and colleagues and excel as a clinical researcher. Provides a foundation of skills, knowledge, and expertise necessary to competently conduct a diagnostic interview and provides an introduction to the process of conceptualize a client's presenting problem(s).
Prerequisite: Doctoral standing in psychology.
Schedule Type: Practicum or Internship
Contact Hours: 3-9 other
Grade Mode: Standard Letter-IP
PSYC 70604  COGNITIVE DEVELOPMENT  3 Credit Hours
Examination of theories and research concerning changes in memory, perception, thought and language over the life span.
Prerequisite: Doctoral standing in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 70615  SOCIAL AND PERSONALITY DEVELOPMENT  3 Credit Hours
Examination of theories and research in social development, with a focus on how personal relationships influence personality development.
Prerequisite: Doctoral standing in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 70792  PSYCHOTHERAPY PRACTICUM  1-3 Credit Hours
(Repeatable for credit) Basic training in applied aspects of psychotherapy. Through didactic and experiential methods students learn basic listening and communication skills that are then applied to specific techniques situations and issues.
Prerequisite: Doctoral standing in psychology.
Schedule Type: Practicum or Internship
Contact Hours: 3-9 other
Grade Mode: Standard Letter-S/U

PSYC 70895  ADVANCED TOPICS-EXPERIMENTAL PSYCHOLOGY  1-6 Credit Hours
(Repeatable for credit) Advanced-level consideration of selected content areas in experimental psychology. Specific topics will be announced in schedule of classes.
Prerequisite: Special approval and doctoral standing.
Schedule Type: Lecture
Contact Hours: 1-6 lecture
Grade Mode: Standard Letter

PSYC 70950  HISTORY AND CONTEMPORARY SYSTEMS  3 Credit Hours
Relationships between historical antecedents and the major contemporary systems and theories of psychology.
Prerequisite: Doctoral standing in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 71004  ANIMAL MEMORY PROCESSES  3 Credit Hours
Examination of basic phenomena and principles of memory, as exemplified by research with animals and humans. Consideration of behavioral and biological processes in memory functioning.
Prerequisite: Doctoral standing in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 71054  LEARNING AND CONDITIONING  3 Credit Hours
Introduction to basic conditioning processes. Emphasis on Pavlovian and instrumental learning phenomena, particularly as these are exemplified in animal models of behavior.
Prerequisite: Doctoral standing in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 71260  THEORIES OF PERSONALITY  3 Credit Hours
Consideration of major theoretical orientations including psychoanalysis, phenomenology and those stressing learning. Emphasis on principal concepts deals less with research methods and findings.
Prerequisite: Doctoral standing in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 71307  PSYCHOBIOLOGICAL ASPECTS OF HEALTH PSYCHOLOGY  3 Credit Hours
An introduction to non-neural aspects of psychobiology, with emphasis on psycho-endocrinology, psychoimmunology and the psychobiologic aspects of disease.
Prerequisite: Doctoral standing in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 71350  PHYSIOLOGICAL PSYCHOLOGY  3 Credit Hours
Neurophysiological, neurochemical and neuroanatomical factors in the control of cognitive processes motivation and behavior. Emphasis is on the broad coverage of major topics in the field.
Prerequisite: Doctoral standing in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 71395  SPECIAL TOPICS IN CHILD PSYCHOLOGY  3 Credit Hours
(Slashed with PSYC 41395 and PSYC 51395) (Repeatable for credit) In-depth examination of particular topics of current interest to faculty and students. Specialized areas of child psychology. Specific topics to be announced.
Prerequisite: Doctoral standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter-S/U

PSYC 71498  SELECTED LITERATURE REVIEW  3 Credit Hours
(Repeatable for a maximum of 6 credit hours) Comprehensive literature survey and review prepared by graduate student in area of interest.
Prerequisite: Doctoral standing in psychology (PSYC).
Schedule Type: Research
Contact Hours: 3 other
Grade Mode: Standard Letter-S/U

PSYC 71507  PSYCHOSOCIAL ASPECTS OF HEALTH PSYCHOLOGY  3 Credit Hours
Examines concepts of disease and their implications for health. Emphasizes psychosocial stress in disease etiology and psychological factors influencing illness recovery.
Prerequisite: Doctoral standing in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 71513  PSYCHOLOGY OF ALCOHOL ABUSE  3 Credit Hours
Critical review of theories and empirical research on the use and abuse of alcohol.
Prerequisite: Doctoral standing in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter
PSYC 71548  PSYCHOLOGY OF GENDER AND MINORITIES  3 Credit Hours
Neurophysiological, neurochemical and neuroanatomical factors in the control of cognitive processes motivation and behavior. Emphasis is on the broad coverage of major topics in the field.
Prerequisite: Doctoral standing in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 71580  SOCIAL PSYCHOLOGY  3 Credit Hours
Introduction to empirical research and theories on the psychological processes related to interpersonal and small group behavior.
Prerequisite: Doctoral standing in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 71595  SPECIAL TOPICS IN COUNSELING CAREERS  3 Credit Hours
(Slashed with PSYC 41595 and PSYC 51595) (Repeatable for credit) In-depth examination of particular topics of current interest to faculty and students. Specialized areas of psychology related to counseling careers. Special topics to be announced.
Prerequisite: Doctoral standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 71651  QUANTITATIVE STATISTICAL ANALYSIS I  3 Credit Hours
(Slashed with PSYC 61651) Review of univariate statistics and an introduction to using bivariate and multivariate statistics. Part one of a two semester sequence on statistical analysis.
Prerequisite: Doctoral standing in psychology and special approval.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 71654  QUANTITATIVE STATISTICAL ANALYSIS II  3 Credit Hours
(Slashed with PSYC 61654) Multivariate statistics for classifying individuals and variables. Additional topics include power/efffect size and handling missing data. Part two of a two semester sequence on statistical analysis.
Prerequisite: PSYC 61651 or 71651 and doctoral standing in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 71685  CLINICAL RESEARCH METHODS  3 Credit Hours
Consideration of research methodologies relevant to clinical psychology with emphasis on strengths and weaknesses of research designs and issues related to collection and evaluation of data.
Prerequisite: Doctoral standing in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 71894  COLLEGE TEACHING OF PSYCHOLOGY  3 Credit Hours
(Repeatable for a maximum of 6 credit hours) Training and experience in college teaching.
Prerequisite: Doctoral standing in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter-S/U

PSYC 71993  VARIABLE TITLE WORKSHOP IN PSYCHOLOGY  1-6 Credit Hours
(Repeatable for a maximum of 6 credit hours) Training and experience in college teaching.
Prerequisite: Doctoral standing in psychology.
Schedule Type: Workshop
Contact Hours: 1-6 other
Grade Mode: Satisfactory/Unsatisfactory

PSYC 72345  ETHNIC MINORITY ISSUES IN CLINICAL PSYCHOLOGY  3 Credit Hours
Students increase their multicultural awareness and develop competencies necessary for clinical work with members of ethnic minority groups.
Prerequisite: Doctoral standing and psychology major.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 72392  CLINICAL PRACTICUM  1-3 Credit Hours
(Repeatable for credit) Beginning practicum in psychological clinic involving selection, administration and evaluation of tests of ability and personality.
Prerequisite: Special approval and doctoral standing.
Schedule Type: Practicum or Internship
Contact Hours: 1-3 other
Grade Mode: Standard Letter-S/U-IP

PSYC 72445  MULTIVARIATE STATISTICS  3 Credit Hours
Intended to cover two major multivariate statistical techniques in psychology: structural equation modeling (SEM) and hierarchical linear modeling (HLM).
Prerequisite: PSYC 61651 or PSYC 71651; and PSYC 61654 or PSYC 71654; and doctoral standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 72492  ADVANCED PRACTICUM  1-3 Credit Hours
(Repeatable for credit) Intensified experience in the diagnosis and treatment of specific disorders from the scientist-practitioner model.
Prerequisite: PSYC 6/70192 and PSYC 6/70292 and PSYC 6/70792; and doctoral standing in psychology.
Schedule Type: Practicum or Internship
Contact Hours: 1-3 other
Grade Mode: Standard Letter-S/U-IP
PSYC 72685 RESEARCH METHODS IN PSYCHOLOGICAL SCIENCE 3 Credit Hours
(Slashed with PSYC 62685) This course fosters the development of graduate students as independent researchers by helping them acquire knowledge of and facility with quantitative research methods in psychology. The course covers a range of topics that are essential for successful research in psychology, including formulating research questions, measurement, research design, sampling, ethics, writing, replication, and validity.
Prerequisite: Doctoral standing in psychology.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 73001 CLINICAL NEUROANATOMY 3 Credit Hours
(Slashed with PSYC 43001 and PSYC 53001; Cross-listed with BMS 50701 and 70701) This course examines the anatomical organization of the human brain, emphasizing functional aspects of various neural systems, neuroimaging, and topics of clinical relevance. A conceptual understanding of central nervous system organization and memorization of specific neural structures and pathways, as well as knowledge of the impact of structure and systems dysfunction is required.
Prerequisite: Doctoral standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 73002 CURRENT TECHNIQUES IN BEHAVIORAL NEUROSCIENCE 3 Credit Hours
(Slashed with PSYC 43002 and PSYC 53002; Cross-listed with BMS 50702 and BMS 70702) This course details current and advanced techniques used in behavioral neuroscience research. Emphasis is placed on understanding the theory behind each technique, and its use in understanding the neural mechanisms of behavior. Detailed protocols for each technique will also be covered. Students should contact the instructor for permission to enroll.
Prerequisite: Doctoral standing; and special approval.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 73003 NEURAL MECHANISMS OF LEARNING AND MEMORY 3 Credit Hours
(Slashed with PSYC 43003 and PSYC 53003; Cross-listed with BMS 50703 and BMS 70703) This course examines the neural and molecular mechanisms underlying learning and memory formation. Cellular mechanisms of learning, including long-term potentiation and basic electrophysiology in invertebrate and mammalian preps are covered. Transcriptional and post-translational modifications required for learning and memory formation, genomic signaling and protein synthesis. The course covers structural changes of neurons associated with memory formation, and the different behavioral methods for studying memory.
Prerequisite: Doctoral standing; and special approval.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 77387 NEUROPSYCHOPHARMACOLOGY 3 Credit Hours
(Slashed with PSYC 47387 and PSYC 57387) Neuropsychopharmacology is the study of how drugs and other chemicals affect brain and behavior. This course will introduce students to the behavioral effects of psychoactive and neurotoxic chemicals in relation to their neural and molecular mechanisms of action. The course will cover general principles of neuropsychopharmacology, nervous system structure in relation to behavior and mind, brain and behavioral systems that are impacted by different classes of drugs and toxic chemicals, and methods employed in neuropsychopharmacology research.
Prerequisite: Doctoral standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

PSYC 80391 SEMINAR IN CLINICAL PSYCHOLOGY 3 Credit Hours
(Repeatable for credit) Seminar devoted to detailed study of various topics in field of clinical psychology. Specific topics will be announced in schedule of classes.
Prerequisite: Special approval and doctoral standing.
Schedule Type: Seminar
Contact Hours: 3 other
Grade Mode: Standard Letter-S/U

PSYC 80491 SEMINAR IN COGNITIVE PSYCHOLOGY 3 Credit Hours
(Repeatable for credit) Seminar on current research in cognitive psychology. Specific topics will be announced in schedule of classes.
Prerequisite: Special approval and doctoral standing.
Schedule Type: Seminar
Contact Hours: 3 other
Grade Mode: Standard Letter-S/U

PSYC 80691 SEMINAR IN CHILD AND DEVELOPMENTAL PSYCHOLOGY 3 Credit Hours
(Repeatable for credit) Seminar on current research in child and developmental psychology. Specific topics will be announced in schedule of classes.
Prerequisite: Special approval and doctoral standing.
Schedule Type: Seminar
Contact Hours: 3 other
Grade Mode: Standard Letter-S/U

PSYC 80891 SEMINAR IN LEARNING AND BIOPSYCHOLOGY 3 Credit Hours
(Repeatable for credit) Seminar devoted to detailed study of various topics in field of biopsychology. Specific topics will be announced in schedule of classes.
Prerequisite: Special approval and doctoral standing.
Schedule Type: Seminar
Contact Hours: 3 other
Grade Mode: Standard Letter-S/U

PSYC 81091 SEMINAR IN CLINICAL PSYCHOLOGY 3 Credit Hours
(Repeatable for credit) Seminar on current research in learning and biopsychology. Specific topics will be announced in schedule of classes.
Prerequisite: Special approval and doctoral standing.
Schedule Type: Seminar
Contact Hours: 3 other
Grade Mode: Standard Letter-S/U

PSYC 81199 DISSERTATION I 15 Credit Hours
(Repeatable for credit) Doctoral dissertation, for which registration in at least two semesters is required the first of which will be semester in which dissertation work is begun and continuing until the completion of 30 hours.
Prerequisite: Special approval and doctoral standing.
Schedule Type: Dissertation
Contact Hours: 15 other
Grade Mode: Satisfactory/Unsatisfactory-IP
PSYC 81299  DISSERTATION II  15 Credit Hours
(Repeatable for credit) Continuing registration required of doctoral students who have completed the initial 30 hours of dissertation and continuing until all degree requirements are met.
Prerequisite: PSYC 81199 and doctoral standing.
Schedule Type: Dissertation
Contact Hours: 15 other
Grade Mode: Satisfactory/Unsatisfactory-IP

PSYC 81498  RESEARCH   1-15 Credit Hours
(Repeatable for credit) Research or individual investigation for doctoral students. Credits may be applied toward degree if department approves.
Prerequisite: Special approval and doctoral standing.
Schedule Type: Research
Contact Hours: 1-15 other
Grade Mode: Standard Letter-S/U-IP

PSYC 81591  SEMINAR IN PERSONALITY AND SOCIAL PSYCHOLOGY
3 Credit Hours
(Repeatable for credit) Seminar on current research in areas of social psychology. Specific topics will be announced in schedule of classes.
Prerequisite: Doctoral standing in psychology.
Schedule Type: Seminar
Contact Hours: 3 other
Grade Mode: Standard Letter

PSYC 81691  SEMINAR IN QUANTITATIVE METHODS  3 Credit Hours
(Repeatable for credit) Seminar on applications of quantitative methods within various content areas of psychology. Specific topics will be announced in schedule of classes.
Prerequisite: Special approval and doctoral standing.
Schedule Type: Seminar
Contact Hours: 3 other
Grade Mode: Standard Letter-S/U