PSYCHOLOGY  PSY

Department of Psychology
College of Social Science

101  Introductory Psychology
   Fall, Spring, Summer. 4(4-0)
   Mind and behavior from biological, individual, and social perspectives. Scientific and professional aspects of psychology.

200  Cognitive Psychology
   Fall, Spring, Summer. 3(3-0) P: PSY 101
   Concepts, theories, methods, and research findings in human information processing. Attention, perception, memory, problem solving, decision making, and language comprehension and production.

209  Brain and Behavior
   Fall, Spring. 3(3-0) P: PSY 101
   Relation of structure and function of the nervous system to the biological bases of behavior.

235  Social Psychology
   Fall, Spring, Summer. 3(3-0) P: PSY 101
   Not open to students with credit in SOC 241.
   Major topics, theories, and research findings in social psychology, particularly as viewed from a psychological perspective.

236  Personality
   Fall, Spring, Summer. 3(3-0) P: PSY 101
   Theories of personality, assessment techniques, and research on personality functioning and individual differences in interpersonal behavior. Emphasis on normal behavior.

239  Psychology of Women
   Fall, Spring. 3(3-0) P: PSY 101
   Development and implications of sex-typed behavior and sex differences. Women's decisions about and experiences of menstruation, sexuality, motherhood, relationships, achievement, employment, retirement.

244  Developmental Psychology: Infancy Through Childhood
   Fall, Spring, Summer. 3(3-0) P: PSY 101
   Physical, cognitive, emotional, and social development from infancy through childhood.

246  Sensitivity to Children I
   Fall. 3(2-2) P: PSY 101 RB: To receive credit, PSY 246 and PSY 247 must be completed satisfactorily except by prior arrangement with instructor. R: Not open to students who have completed more than 6 credits of PSY 490 and PSY 491 combined.
   First course of two-semester sequence that emphasizes weekly play with a child and analysis of videotaped sessions. Readings and discussions cover problems faced by parents, teachers and child therapists.

247  Sensitivity to Children II
   Spring. 3(2-2) P: (PSY 246) RB: To receive credit, PSY 246 and PSY 247 must be completed satisfactorily except by prior arrangement with instructor. Weekly play with a child to understand child development and to increase skills in communicating with children.

255  Industrial and Organizational Psychology
   Spring, Summer. 3(3-0) P: PSY 101
   Recruitment, selection, and training of personnel. Performance appraisal, leader behavior, worker attitudes and behavior, communication, group organization, and processes in the workplace.

270  Community Psychology
   Fall. 3(3-0) P: PSY 101
   Theory and research in community psychology. Prevention, social change, dissemination models, empowerment, and measurement models.

280  Abnormal Psychology
   Fall, Spring, Summer. 3(3-0) P: PSY 101
   Theory and research on dynamics, characteristics, and treatment of psychological disorders. Therapies and theories of prevention.

290  Exploring and Planning for Careers in Psychology
   Fall, Spring. 3(2-2) P: (PSY 101) and completion of Tier I writing requirement R: Open only to sophomores or juniors in the Psychology major.
   Introduction to career options for psychology majors. Development of career preparation and career seeking skills.

295  Data Analysis in Psychological Research
   Fall, Spring, Summer. 3(3-0) P: (PSY 101 and (MTH 110 or MTH 114 or MTH 116 or MTH 124 or MTH 106)) or (MTH 132 or MTH 152H or MTH 201 or STT 200 or STT 201) Not open to students with credit in STT 315.
   Descriptive and inferential statistics as applied to the analysis of psychological research. Measurement control, and research design with psychological variables. Data analysis. Interpreting research findings. Relations between research and theory.

310  Psychology and Biology of Human Sexuality
   Spring of odd years. 3(3-0) Interdepartmental with Zoology, Administered by Psychology. P: (PSY 101 or concurrently) and (MTH 110 or concurrently) or (MTH 114 or concurrently) or (LBS 144 or concurrently) or (LBS 145 or concurrently) or (LBS 148H or concurrently) or (LBS 149H or concurrently)
   Not open to students with credit in FCE 445.

320  Health Psychology
   Fall, Spring. 3(3-0) P: PSY 101
   Social, psychological, and biological factors affecting health, illness, and use of health services. Stress and coping processes, lifestyles, and illness management.

330  Personality from a Psychoanalytic Perspective
   Fall, Spring. 3(3-0) P: (PSY 101)
   A Freudian framework, including psychosocial development, dreams, unconscious processes, defense mechanisms, prejudice, discrimination, cults, inability to sleep, anxiety, depression, schizophrenia, sexual problems, and love.

344  Developmental Psychology: Adolescence Through Youth
   Spring, Summer. 3(3-0) P: PSY 244
   Theory and research in physical, cognitive, emotional, and social development from puberty to early adulthood.

371  Psychological Innovations and Research I
   Fall, Spring, Summer. 4(2-4) P: PSY 101 RB: To receive credit PSY 371 and PSY 372 must be completed satisfactorily except by prior arrangement with instructor. R: Approval of department. Not open to students who have completed more than 6 credits of PSY 490 and PSY 491 combined.
   First course of two-semester sequence. Theoretical and technical background and direct involvement in a major psychological innovation or research project.

372  Psychological Innovations and Research II
   Fall, Spring, Summer. 4(2-4) P: PSY 371
   Second course of a two-course sequence. Theoretical and technical background and direct involvement in a major psychological innovation or research project.

381  Human Service Internship in Psychology I
   Spring. 3(3-0) P: PSY 101 RB: At least two courses in the range from PSY 200-280.
   Theoretical and practical background to engage in effective human service delivery.

382  Human Service Internship in Psychology II
   Summer. 6 to 12 credits. P: PSY 381
   Online community internship employing knowledge and skills acquired in PSY 381.

395  Research Design and Measurement in Psychological Research
   Fall, Spring. 3(2-2) P: PSY 295 and completion of Tier I writing requirement Validity and reliability concepts in psychological measurement and causal inference. Experimental design in psychological research.

401  Memory and Skill (W)
   Fall of even years. 3(3-0) P: (PSY 200 and PSY 295) and completion of Tier I writing requirement
   Human learning, memory, and skilled performance. Effects of attention, practice, and knowledge on cognitive and perceptual motor skills.

402  Sensation and Perception (W)
   Fall of even years. 3(3-0) P: ((PSY 295) and completion of Tier I writing requirement) and (PSY 200 or PSY 295) Biological and psychological approaches to the study of the extraction, representation, and interpretation of sensory information. Review of major methodologies. Emphasis on vision.

403  Laboratory in Cognitive Psychology (W)
   Fall, Spring. 3(2-2) P: (PSY 200 and PSY 295) and completion of Tier I writing requirement SA: PSY 302
   Rationale, methods, data analysis, and interpretation of experimental research in cognitive psychology.
Psychology—PSY

405 History of Modern Psychology (W) Spring. 3(3-0) P: (PSY 295) and completion of Tier I writing requirement R: Open only to juniors or seniors in the Department of Psychology.
Themes, periods, and contributions of the leading psychologists. Psychological systems such as behaviorism, cognition, and psychoanalysis. Evolution of psychological concepts. Social context.

409 Psychobiology of Behavioral Development (W) Spring of odd years. 3(3-0) P: (PSY 209 or ZOL 402) and Completion of Tier I Writing Requirement Biological approaches to the understanding of behavioral development in human and non-human animals. Role of the nervous system in this process.

410 Neurobiology of Learning and Memory (W) Fall. 3(3-0) P: (PSY 209 or ZOL 402) and Completion of Tier I Writing Requirement SA: PSY 308 Neural mechanisms responsible for learning and memory.

411 Hormones and Behavior (W) Spring of even years. 3(3-0) P: (PSY 209 or ZOL 402) and Completion of Tier I Writing Requirement Current research on biological mechanisms that control motivation in humans and non-human species.

413 Laboratory in Behavioral Neuroscience (W) Fall. 4(2-4) Interdepartmental with Zoology. Administered by Psychology. P: ((PSY 209 or ZOL 402) and completion of Tier I writing requirement) and ((PSY 295 or concurrent-ly) or STT 201) SA: PSY 309 Theory and laboratory experience in the study of behavioral neuroscience. Relationship among hormones, brain, and behavior.

424 Child and Family Psychopathology (W) Fall, Spring, Summer. 3(3-0) P: (PSY 244 and PSY 295) and completion of Tier I writing requirement R: Open only to juniors or seniors in the Department of Psychology or students in the Psychology disciplinary minor. Description, etiology, and developmental patterns of behavior problems of children, adolescents, and their families. Child and family interventions.

440 Attitudes and Social Cognition (W) Fall of even years. 3(3-0) P: (PSY 235 and PSY 295) and completion of Tier I writing requirement R: Open only to juniors or seniors in the Department of Psychology. Psychology research on the cognitive foundations of social behavior. Attribution, stereotyping, impression formation, social memory, and persuasion.

441 Interpersonal Behavior and Groups (W) Spring of even years. 3(3-0) P: (PSY 235 and PSY 295) and completion of Tier I writing requirement R: Open only to juniors or seniors in the Department of Psychology. Major theories and research findings in the social psychology of group processes and interpersonal relationships.

450 Thinking Critically About Psychological Research (W) Spring. 3(3-0) P: (PSY 295) and completion of Tier I writing requirement SA: PSY 307 Statistical and methodological principles from the perspective of a critical consumer of research results. Recognizing non-empirical assertions, necessary bases for inferring relationships and causal relationships, common threats to research validity, and pertinent biases in human judgment.

455 Organizational Research Techniques (W) Spring. 3(3-0) P: (PSY 255 and PSY 395) and completion of Tier I writing requirement R: Open only to juniors or seniors in the Department of Psychology or in the Interdisciplinary Studies in Social Science major. Quantitative psychological research techniques applied to human resource problems in organizations. Survey research, job analysis, training needs analysis, evaluation and selection, and test validation.

463 Introduction to Cognitive Science Spring. 3(3-0) Interdepartmental with Linguistics and Philosophy. Administered by Linguistics. Cognitive processing of information by animals, humans, and computers. Relevant issues in philosophy, linguistics, psychology, neurophysiology, and artificial intelligence.

475 Personality Theories (W) Spring of odd years. 3(3-0) P: (PSY 236) and completion of Tier I writing requirement R: Open only to juniors or seniors in the Department of Psychology. Major personality theories of development, structure, and dynamics. Implications for behavioral disorders and therapy.

490 Special Problems in Psychology Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 12 credits in all enrollments for this course. P: PSY 295 RB: Nine credits in Psychology. Students are limited to a combined total of 12 credits in PSY 490 and PSY 491. R: Open to seniors or juniors and approval of department. Students work under direction of a faculty member on an experimental, theoretical, or applied problem.

491 Participation in Psychological Project Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 12 credits in all enrollments for this course. RB: Nine credits in Psychology. Students are limited to a combined total of 12 credits in PSY 490 and PSY 491 R: Open to juniors or seniors and approval of department. Students participate in a psychological project under direction of a faculty member.

492 Special Topics in Psychology Fall, Spring. 1 to 3 credits. P: PSY 101 and PSY 295 Special topics supplementing regular course offerings proposed by faculty.

493 Issues in Psychology (W) Fall, Spring. 3(3-0) P: (PSY 101 and PSY 295) and completion of Tier I writing requirement R: Open only to juniors or seniors in the Department of Psychology. Current information, research, and practice in psychology.

498H Development of Research Proposal Fall, Spring, Summer. 3(0-6) R: Approval of department. Independent research with faculty supervision. Literature survey, naturalistic observation, and experimental investigation. Preparation of the proposal for the Senior Honors Thesis.

499H Senior Honors Thesis Fall, Spring, Summer. 3(0-6) P: PSY 498H R: Approval of department. Continuation of independent research with faculty supervision. Completion of senior honor thesis.

801 Sensation and Perception Fall. 3(3-0) RB: (PSY 401) or approval of department. R: Open to graduate students in the Department of Psychology. Biological and psychological approaches to the study of extraction, representation, and interpretation of sensory information. Review of major methodologies. Emphasis on vision.

802 Basic Cognitive Processes Fall. 3(3-0) R: Open only to graduate students in the Department of Psychology or Interdepartmental Graduate Specializations in Cognitive Science or approval of department. SA: PSY 810 Advanced exploration of methods used to study human cognition as applied to sensory processes, perception, attention, memory, and control of action.

803 Higher Order Cognitive Processes Spring. 3(3-0) R: Open only to graduate students in the Department of Psychology or Interdepartmental Graduate Specializations in Cognitive Science or approval of department. SA: PSY 810 Advanced exploration of inductive and deductive reasoning, categorization, analogy, decision making, and problem solving.

804 Molecular and Developmental Neurobiology Fall. 3(3-0) Interdepartmental with Neuroscience and Pathobiology and Diagnostic Investigation and Pharmacology and Toxicology and Zoology. Administered by Neuroscience. RB: Bachelor's degree in a Biological Science or Psychology. R: Open to graduate students in Neuroscience major. Nervous system, signal transduction, gene transcription and translation. Maturation, degeneration, plasticity, and repair in the nervous system.

805 History of Psychology Spring. 4(4-0) R: Open only to graduate students in the Department of Psychology. Scientific, cultural, philosophical, and personal influences in the development of psychology. Persisting issues.

806 Advanced Neuroscience Techniques Laboratory Spring. 3(0-9) Interdepartmental with Neuroscience and Pharmacology and Toxicology and Physical Medicine and Rehabilitation and Radiology. Administered by Neuroscience. RB: PHM 827 R: Open only to doctoral students in the Neuroscience major.Methods and underlying principles of neuroscience research.
809 Developmental Psychobiology  
Fall of odd years. 3(3-0) RB: (PSY 409) or approval of department. R: Open only to graduate students in the Department of Psychology.  
Basic principles of neural development over the life span.

811 Advanced Behavioral Neuroscience  
Spring. 3(3-0) Interdepartmental with Neuroscience. Administered by Psychology. RB: (PSY 411) or approval of department. R: Open only to graduate students in the Psychology major or Neuroscience major.  
Biological mechanisms involved in learning and memory, motivated behaviors, biological rhythms, and psychopathologies.

814 Psycholinguistics  
Spring of even years. 3(3-0) RB: PSY 414 R: Open only to graduate students in the Department of Psychology.  
Language processing. Speech perception, lexical representation and access, sentence parsing, discourse comprehension and memory, and language production.

815 Quantitative Research Design and Analysis in Psychology  
Fall. 3(3-0) R: Open only to graduate students in the Department of Psychology.  

818 Psychometric Theory and Test Construction  
Spring. 3(3-0) RB: PSY 817 R: Open only to graduate students in the Department of Psychology.  
Classical and item response theory approaches to test development. Validation of measures.

828 Clinical Assessment  
Fall. 3(2-2) R: Open only to graduate students in the Department of Psychology.  
Cognitive, neuropsychological, projective, and behavioral assessment. Ethical and statistical issues of assessment.

829 Child and Family Assessment  
Spring of even years. 3(3-0) RB: PSY 828 R: Open to graduate students in the Department of Psychology.  
Assessment of behavioral, cognitive, psychomotor, and emotional problems in children and families.

834 Social Psychology  
Fall of even years. 3(3-0) R: Open to graduate students in the Department of Psychology. Not open to students with credit in SOC 870.  
Classic and contemporary theoretical and empirical issues in social psychology.

835 Research Methods: Interpersonal and Individual Behavior  
Spring. 3(2-2) RB: PSY 815 or concurrently R: Open only to graduate students in the Department of Psychology.  
Strategies and tactics for conducting systematic empirical research on complex human functioning. Social and clinical phenomena.

836 Personality Psychology  
Fall of odd years. 3(3-0) R: Open only to graduate students in the Psychology major or approval of department.  
Classic and contemporary theoretical and empirical issues in personality psychology.

837 Social Cognition  
Spring of even years. 3(3-0) RB: 15 credits of social sciences. R: Open only to graduate students in the Psychology major or approval of department. SA: PSY 842A  
Research on cognitive mediators of social behavior and life outcomes. Attribution, person perception, stereotyping, attitudes, and social memory.

838 Interpersonal Behavior and Relationships  
Fall of even years. 3(3-0) R: 15 credits in the social sciences. R: Open only to graduate students in the Psychology major or approval of department. SA: PSY 842B  
Theory and empirical research on interpersonal processes. Social comparison, social support, self-evaluation, relationship development and dissolution, attraction, and love.

839 Systems Neuroscience  
Spring. 4(4-0) Interdepartmental with Human Anatomy and Neuroscience and Pharmacology and Toxicology and Physiology and Zoology. Administered by Neuroscience. R: Open only to graduate students in the Colleges of Human Medicine, Osteopathic Medicine, Agriculture and Natural Resources, Natural Science, Social Science, and Veterinary Medicine. SA: ANT 839  
Anatomy, pharmacology, and physiology of multicellular neural systems. Sensory, motor, autonomic, and chemo-regulatory systems in vertebrate brains.

840 Group Processes  
Spring of odd years. 3(3-0) RB: 15 credits in the social sciences. R: Open only to graduate students in the Psychology major or approval of department. SA: PSY 842C  
Contemporary theory and research dealing with the individual in a group context.

851 Neuropsychology  
Fall. 4(4-0) R: Open only to graduate students in the Department of Psychology.  
Basic research and theory in neuropsychology of cognition, language, memory, emotion, motor skill, and lateralization of function. Emphasis on human functions.

852A Neuropsychological Assessment  
Spring of odd years. 3(3-0) RB: PSY 811 and PSY 851 R: Open only to graduate students in the Department of Psychology.  
Diagnosis of brain injuries through the study of brain behavior processes. Concepts and tools relevant for neuropsychological examinations.

852B Neuropsychological Assessment Laboratory  
Spring of even years. 3(0-6) R: Open only to graduate students in the Psychology major. Theory and clinical interpretation of the Halstead Reitan Test Battery and selected other neuropsychological tests.

853 Behavior Disorders  
Fall. 3(3-0) R: Open only to graduate students in the Department of Psychology.  
Classification, description, and etiology of behavior disorders. Conceptual models, epidemiology, and review of major diagnostic classification systems.
History and Theory in Ecological-Community Psychology
Fall. 3(3-0) RB: PSY 815 or concurrently R: Open only to graduate students in the Department of Psychology. Theoretical perspectives, contemporary problems, philosophies of science, and ethical issues facing the ecological psychologist.

Field Research in Psychology
Spring. 3(2-2) RB: PSY 815 R: Open only to graduate students in the Department of Psychology. Unobtrusive, observational, and interview measures. Policy analysis, proposal preparation, and research design.

Community Interventions
Spring. 3(2-2) RB: PSY 815 and PSY 870 and PSY 871 R: Open only to graduate students in the Department of Psychology. Entry and operational issues in community interventions and research. Group dynamics, community politics, intervention integrity.

Special Problems in Psychology
Fall, Spring. 1 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. R: Open only to graduate students in the Department of Psychology. Supervised student research on an experimental, theoretical, or applied problem.

Special Topics in Psychology
Fall, Spring. 1 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. R: Open only to graduate students. Approval of department. Supervised student engagement in an experimental, theoretical or applied topic.

Master's Thesis Research
Fall, Spring. 1 to 8 credits. A student may earn a maximum of 35 credits in all enrollments for this course. R: Open only to graduate students in the Department of Psychology. Master's thesis research.

Scientific and Professional Ethics
Spring of odd years. 3(3-0) R: Open to graduate students in the Department of Psychology. Ethical issues in human and animal research. Ethical decisions involving issues of gender, ethnicity, and cultural diversity in psychological practice.

Psychodynamic Theory, Research and Intervention Across the Life Span
Spring of even years. 3(3-0) RB: (PSY 853 and PSY 854) and graduate courses in behavior disorders. R: Open to graduate students in the Department of Psychology. Psychodynamic theories. Research on psychodynamic theoretical concepts and interventions. Intervention concepts, techniques, and types.

Social Systems: Theory, Research, and Intervention Across the Life Span
Fall of even years. 3(3-0) R: Open to graduate students in the Department of Psychology. Theories, current research, and intervention strategies for communities, families, couples, and groups across the life span.