PSYCHOLOGY

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.

301 Cognitive Neuroscience
Fall, Spring. 3(3-0) P: PSY 101
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 even years. 3(3-0) Interdepartmental with Neuroscience and Zoology. Administered by Neuroscience. P: (PSY 101 or concurrently) and (BS 161 or concurrently) or (BS 162 or concurrently) or (BS 163 or concurrently) or (BS 171 or concurrently) or (BS 181H or concurrently) or (BS 182H or concurrently) Not open to students with credit in HDFS 445.

312 Introduction to Clinical Psychology
Fall. 3(3-0) P: PSY 101
History, theories, and clinical approaches to understanding and affecting human behavior.

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.

329 Psychology of Women
Fall, 3(3-0) Interdepartmental with Women’s Studies. Administered by Psychology. P: PSY 101 SA: PSY 239
Development and implications of sex-typed behavior and sex differences. Women’s decisions about and experiences of menstruation, sexuality, motherhood, relationships, achievements, employment, retirement.

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

342 Stereotypes, Prejudice, and Discrimination
Spring. 3(3-0) P: PSY 101 SA: PSY 235
Cognitive processes in stereotyping. Contribution of affect and motivation to the linkages among stereotypes, prejudice, and discrimination.

344 Developmental Psychology: Adolescence Through Youth
Spring, Summer. 3(3-0) P: PSY 101
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
To receive credit in PSY 371, the student must satisfactorily complete Psychol- ogy 372 unless there is an exception given by the instructor. R: Approval of department; application required.

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 Internship Training in Psychology
Spring. 3(3-0) P: PSY 101 RB: At least two courses in the range from PSY 200-280. R: Approval of department; application required.

382 Internship in Psychology
Summer. 3 to 12 credits. P: PSY 101 R: Approval of department; application required.

395 Research Design and Measurement in Psychological Research
Fall, Spring, Summer. 3(2-2) P: PSY 295 SA: PSY 304
Validity and reliability concepts in psychological measurement and causal inference. Experimental design in psychological research.

401 Expertise and Skill (W)
Fall. 3(3-0) P: PSY 200 and ((PSY 295 or STT 231) and completion of Tier I writing requirement)
Contemporary models of expertise and skill acquisition and the role of basic cognitive abilities and capacities in complex performance.

402 Sensation and Perception (W)
Fall. 3(3-0) P: PSY 200 or PSY 209) and ((PSY 295 or STT 231) and completion of Tier I writing requirement)
Biological and psychological approaches to the study of the extraction, representation, and interpretation of sensory information. Review of major methodologies. Emphasis on vision.

405 History of Modern Psychology (W)
Spring. 3(3-0) P: (PSY 295) and completion of Tier I writing requirement R: Open to juniors or seniors in the Department of Psychology.

409 Psychology of Behavioral Development (W)
Spring. 3(3-0) P: PSY 209 or ZOL 402) and (PSY 295 or STT 231) 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 295 and (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. 3(3-0) P: (PSY 209 or ZOL 402) and (PSY 295 or STT 231) 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 (PSY 295 or STT 231) and completion of Tier I writing requirement) 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 295 and PSY 295) and completion of Tier I writing requirement R: Open to juniors or seniors in the Department of Psychology.  
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 to juniors or seniors in the Department of Psychology.  
Psychological research on the cognitive foundations of social behavior. Attribution, stereotyping, impression formation, social memory, and persuasion.

455 Advanced Topics in Organizational Psychology (W)  Spring. 3(3-0) P: (PSY 255 and PSY 295) and completion of Tier I writing requirement R: Open to juniors or seniors in the Department of Psychology or in the Interdisciplinary Studies in Social Science major.  
Applied research related to human resource issues in work organizations. Selection, training, motivation, leadership, and organizational change.

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, neuropsychology, and artificial intelligence.

475 Personality Theories (W)  Spring of odd years. 3(3-0) P: (PSY 236 and PSY 295) and completion of Tier I writing requirement R: Open 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 8 credits. A student may earn a maximum of 12 credits in all enrollments for this course. A student may earn a maximum of 12 credits Students are limited to a combined total of 12 credits in PSY 490 and PSY 491. R: Approval of department; application required.  
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 8 credits. A student may earn a maximum of 12 credits in all enrollments for this course. A student may earn a maximum of 12 credits Students are limited to a combined total of 12 credits in PSY 490 and PSY 491. R: Approval of department; application required.  
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, (3-0) P: PSY 101 and (PSY 295 or STT 231) and completion of Tier I writing requirement)  
Current information, research, and practice in psychology.

498H Development of Research Proposal  Fall, Spring. 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. 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 specific 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.

809 Developmental Psychobiology  Fall of odd years. 3(3-0) RB: (PSY 400) 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) R: Open only to graduate students in the Department of Psychology.  
Biological mechanisms involved in learning and memory, motivated behaviors, biological rhythms, and psychopathologies.

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.

831 Personality Assessment  Spring. 3(3-0) RB: PSY 828 R: Open to graduate students in the Department of Psychology or approval of department.  
Psychometrics, clinical techniques, multimethod assessment measures including the MMPI, NEO-PI-R, PAI, TAT, IJP, Rorschach.

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. Strategic 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) RB: 15 credits in the social sciences. R: Open only to graduate students in the Psychology major or approval of department. Theory and empirical research on interpersonal processes. Social comparison, social support, self-evaluation, relationship development and dissolution, attraction, and love.

839 Systems Neuroscience
Spring of odd years. 3(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.

852 Cognitive and Neuropsychological Assessment
Fall. 3(3-0) R: Open to graduate students in the Department of Psychology. Instruction in basic administration and interpretation of cognitive and neuropsychological tests across the life span

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.

854 Behavior Disorders in Children and Families
Spring. 3(3-0) RB: PSY 853 R: Open only to graduate students in the Department of Psychology. Developmental psychopathology. Explanations for the development of child behavior disorders.

855 Theory and Practice of Psychotherapy
Spring. 3(3-0) R: Open only to graduate students in the Department of Psychology. Theoretical approaches to psychotherapy, and the practical application of techniques derived from these theories. Ethnic and gender issues in therapy.

860 Industrial and Organizational Psychology
Fall. 3(3-0) R: Open only to graduate students in the Department of Psychology. Theory, research, and practice in organizational training, development, and behavior.

863 Seminar in Cognitive Science
Fall, Spring. 1(1-0) A student may earn a maximum of 2 credits in all enrollments for this course. RB: Prior or current graduate-level work in at least one cognitive science related field Contemporary issues, problems, theories, and data in cognitive science, seen from a variety of perspectives

864 Personnel Selection
Spring of odd years. 3(3-0) R: Open only to graduate students in the Psychology major. Methods and research in personnel selection. Job analysis, performance appraisal, and development of predictors. Evaluating validity, reliability, and utility of selection procedures.

865 Research Methods in Applied Psychology
Fall. 3(3-0) RB: PSY 815 R: Open only to graduate students in the Department of Psychology major. Human resource issues and applied research. Measurement problems and issues. Planning, conducting, analyzing, and disseminating applied research.

867 Nature and Practice of Cognitive Science
Spring. 3(3-0) Interdepartmental with Computer Science and Engineering and Linguistics and Philosophy and Zoology. Administered by Zoology. RB: Undergraduate course work in behavioral biology, cognitive psychology, philosophy, linguistics, or artificial intelligence. Survey of how different disciplines explore the cognitive processes underlying intelligent behavior.

870 Ecological-Community Psychology
Fall. 3(3-0) RB: PSY 815 or concurrently R: Open only to graduate students in the Department of Psychology. Theory, methodology and research in experimental ecological approaches to community psychology, identifying researchable problems and funding. The dynamics of research teams.

871 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.

872 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.

873 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.

880 Foundations of Evaluation Practice
Fall. 3 credits. R: Open to graduate students in the Department of Psychology or approval of department. History, professional roles and contexts, practice standards, and central theories of program evaluation.

881 Evaluation Design
Fall. 3 credits. R: Open to graduate students in the Department of Psychology or approval of department. Fundamentals of designing formative and summative evaluations.

882 Evaluation Data Collection Methods
Fall. 3 credits. R: Open to graduate students in the Department of Psychology or approval of department. Data collection for program evaluation.

883 Statistics for Evaluators I
Spring. 3 credits. R: Open to graduate students in the Department of Psychology or approval of department. Quantitative evaluation data preparation and management. Descriptive and inferential statistics, including correlation and regression and their application to evaluation data. Interpreting and reporting statistics for evaluation audiences.

884 Qualitative and Mixed Method Evaluation Methods
Spring. 3 credits. R: Open to graduate students in the Department of Psychology or approval of department. Qualitative and mixed method designs and analytic techniques for program evaluation.

885 Communicating and Reporting
Spring. 3 credits. R: Open to graduate students in the Department of Psychology or approval of department. Communicating and reporting program evaluation activities and findings. Generating and communicating recommendations. Techniques to facilitate deliberative dialogue about evaluation findings. Written, verbal, and listening skills.

886 Evaluation Practicum Preparation
Spring. 1 credit. R: Open to graduate students in the Department of Psychology or approval of department. Identifying potential placements. Resume and cover letter development. Interviewing skills and establishing a practicum contract.
890  Special Problems in Psychology
Fall, Spring, Summer. 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.

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

899  Master's Thesis Research
Fall, Spring, Summer. 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.

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

952  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.

954  Cognitive-Behavioral Theory, Research, and Intervention Across the Life Span
Spring of odd years. 3(3-0) RB: Course(s) in behavioral disorders. R: Open to graduate students in the Department of Psychology. Theories, techniques, and empirical bases of behavioral and cognitive-behavioral psychotherapy.

961  Training and Organizational Development
Spring of odd years. 3(3-0) RB: PSY 860 R: Open only to graduate students in the Department of Psychology. Theory and research on identification, development, and evaluation of training activities in organizations. Analysis of organizational functioning and change.

962  Work Motivation and Job Satisfaction
Fall of odd years. 3(3-0) RB: PSY 860 R: Open only to graduate students in the Department of Psychology. General theories of human motivation, attitudes, and affect. Specific theories of work motivation and job satisfaction.

970  Advanced Topics in Ecological and Community Psychology
Fall, Spring. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course. R: Open only to graduate students in the Department of Psychology. Contemporary ecological and community psychology issues. Program evaluation, systems analysis. Empowerment, social support, and homelessness.

992  Seminar in Psychology
Fall, Spring. 3(3-0) A student may earn a maximum of 24 credits in all enrollments for this course. R: Open to graduate students in the Department of Psychology. Theoretical and research topics in psychology.

994  Practicum
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 18 credits in all enrollments for this course. R: Open only to graduate students in the Department of Psychology. Clinical assessment, consultation, and psychotherapy. Supervised experience in assessment, consultation, and psychotherapy with adults, families, and children. Didactic seminar in related theory and research.

999  Doctoral Dissertation Research
Fall, Spring, Summer. 1 to 24 credits. A student may earn a maximum of 36 credits in all enrollments for this course. R: Open to doctoral students in the Department of Psychology. Doctoral dissertation research.