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 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.

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.

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 to undergraduate students in the Department of Psychology. 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 112 or MTH 114 or MTH 116 or MTH 124 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.

301 Cognitive Neuroscience

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 (LB 144 or concurrently) or (LB 145 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

316 Children’s Exposure to Domestic Violence: Preventing Resiliency
Summer. 3(3-0) Interdepartmental with Women’s Studies. Administered by Psychology. P: PSY 101 RB: WS 201 or WS 202 or WS 203 Prevalence, context and impact of domestic abuse on children. Strategies for promoting resiliency.

317 Sexual Assault: Context, Interventions and Prevention
Summer. 3(3-0) Interdepartmental with Women’s Studies. Administered by Psychology. P: PSY 101 RB: WS 201 or WS 202 or WS 203 or WS 301 Nature and context of adult sexual assault in the United States. Current interventions and prevention efforts.

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.

333 The Neurobiology of Food Intake and Overeating
Spring. 3(3-0) P: PSY 101 RB: PSY 209 Physiological and neurological mechanisms that drive food intake and overeating. Vulnerabilities to obesity.

339 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, achievement, employment, retirement.

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

371 Psychological Innovations and Research I
Fall, Spring, Summer. 3(2-2) P: PSY 101 RB: To receive credit in PSY 371, the student must satisfactorily complete Psychological 372 unless there is an exception given by the instructor. R: Approval of department; application required. 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. 3(2-2) P: PSY 371 Second course of a two-semester sequence. Theoretical and technical background and direct involvement in a major psychological innovation or research project.

381 Internship 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. Theoretical and practical background to engage in effective internship delivery.

382 Internship in Psychology
Summer. 3 to 12 credits. P: PSY 101 R: Approval of department; application required. Internship employing knowledge and skills acquired in psychology courses.

395 Research Design and Measurement in Psychological Research
Fall, Spring. 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 (IPSY 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 (IPSY 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.
Psychology—PSY

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.
Themes, periods, and contributions of the leading psychologists. Psychological systems such as behaviorism, cognition, and psychoanalysis. Evolution of psychological concepts. Social context.

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 Neuroscience of Learning and Memory (W)
Fall. 3(3-0) P: (PSY 200 or PSY 209 or PSY 301 or ZOL 402) and ((PSY 295 or STT 231) 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 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.

444 Developmental Psychology: Adolescence Through Youth (W)
Fall. 3(3-0) P: (PSY 101 and PSY 244 and PSY 295) and completion of Tier I writing requirement SA: PSY 344
Theory and research in physical, cognitive, emotional, and social development from puberty to early adulthood.

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
Fall. 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 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. 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. 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 or STT 231) and completion of Tier I writing requirement
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 and (PSY 295 or STT 231) and completion of Tier I writing requirement
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 409) or approval of department. R: Open only to graduate students in the Department of Psychology.
Basic principles of neural development over the lifespan.

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 psychopharmacology.

815 Quantitative Research Design and Analysis in Psychology
Fall. 3(2-2) R: Open to graduate students in the Department of Psychology.
Experimental and non-experimental research designs. Analysis of variance and multiple regression.
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.

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, ITP, 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. 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 in the social sciences. R: Open only to graduate students in the Psychology major or approval of department. SA: PSY 842B 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. 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.

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.

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 psychology, 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.

887 Statistics for Evaluators II
Summer. 3 credits. P: PSY 883 R: Open to graduate students in the Department of Psychology or approval of department.
Inferential statistics, including t-tests, analysis of variance, and non-parametric statistics and their application to evaluation data. Handling missing data, power analysis, and other statistical tools for evaluators.

888 Evaluation Management
Fall. 3 credits. R: Open to graduate students in the Department of Psychology or approval of department.
Evaluation project management, budgeting, and quality assurance. Professional job search skills.

889 Evaluation Practicum
Fall, Summer. 6 credits. A student may earn a maximum of 12 credits in all enrollments for this course. P: PSY 886 R: Open to graduate students in the Department of Psychology or approval of department.
Supervised practicum placement in a professional evaluation setting. Integration and application of theories, methods, and skills in evaluation practice.

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.

892 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 issues in human and animal research. 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.