PSYCHOLOGY—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.
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 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. 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.

301 Cognitive Neuroscience
Fall, 3(3-0) P: PSY 101 RB: PSY 200
Neural basis of human cognitive functions. Investigative methods for understanding the relationship of brain activity and behavior.

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 (BS 110 or concurrently) or (BS 111 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.

312 Introduction to Clinical Psychology
Fall, Spring. 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.

339 Psychology of Women
Fall. 3(3-0) 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.

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. 3(4-4) 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 a 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, 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 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 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 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 295 and (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.
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.

Hormones and Behavior (W)
Spring of even years. 3(3-0) P: PSY 295 and (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.

Laboratory in Behavioral Neuroscience (W)
Fall. 4(2-4) Interdepartmental with Zoology. Administered by Psychology. P: PSY 295 and (PSY 209 or ZOL 402) 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.

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.

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.
Psychological research on the cognitive foundations of social behavior. Attribution, stereotyping, impression formation, social memory, and persuasion.

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.

Organizational Research Techniques (W)
Spring. 3(3-0) P: (PSY 295 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.

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.

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.

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.

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.

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.

Issues in Psychology (W)
Fall, Spring. 3(0-6) R: Approval of department.
Current information, research, and practice in psychology.

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.

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.

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.

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.
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) R: PSY 628 R: Open to graduate students in the Department of Psychology. Assessment of behavioral, cognitive, psychomotor, and emotional problems in children and families.

831 Personality Assessment
Fall of odd years. 4(3-2) R: PSY 828 R: Open only to graduate students in the Department of Psychology. Objective and projective personality measures for adults. MMPI, Rorschach, Thematic Apperception Test, and other selected measures.

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) R: 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) R: 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) R: 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.

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) R: 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.

862 Organizational Psychology and Behavior
Spring. 3(3-0) R: Open only to graduate students in the Department of Psychology. Theory and research on individual behavior in complex organizations. Industrial and organizational psychology. Linking macro- and micro-research and theory.

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 grade level work in at least one cognitive science related field. Controversial 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) R: PSY 815 R: Open only to graduate students in the Department of Psychology. 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. R: 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) R: PSY 815 or concurrently R: Open only to graduate students in the Department of Psychology. Theoretical, methodological, 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) R: 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) R: 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) R: 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.

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 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.

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 18 credits in all enrollments for this course. R: Open only 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 75 credits in all enrollments for this course. R: Open only to doctoral students in the Department of Psychology.  
Doctoral dissertation research.