PSYCHOLOGY

Department of Psychology
College of Social Science

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

200 Cognitive Psychology  
Fall, Spring. 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. 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. 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. 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  
WS 203  
Theory and research in community psychology. Prevention, social change, dissemination models, empowerment, and measurement models.

280 Abnormal Psychology  
Fall, Spring. 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  
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 even years. 3(3-0) Interdepartmental with Integrative Biology and Neuroscience. Administered by Neuroscience. P: (PSY 101 or concurrently) and (IBS 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. Sexual behavior from biological, psychological and neuroscience perspectives. Sexual differentiation of the body. Role of hormones in development and reproduction in humans and other animals. Human sexual orientation. Fertility and contraception. Sexual disorders. Sexually transmitted diseases.

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: Promoting 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  

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) Interdepartmental with Neuroscience. Administered by Psychology. 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  
Fall. 3(3-0) P: PSY 101 RB: PSY 235  
Cognitive processes in stereotyping. Contribution of affect and motivation to the linkages among stereotype, prejudice, and discrimination.

371 Psychological Innovations and Research I  
Fall, Spring. 4(2-4) P: PSY 101 RB: To receive credit in PSY 371, the student must satisfactorily complete Psychology 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. 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  
Fall, Spring, Summer. 3 to 12 credits. A student may earn a maximum of 12 credits in all enrollments for this course. 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, 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 (IPS 295 or STT 231) and completion of Tier I writing requirement R: Open to undergraduate students in the Department of Psychology. 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 (IPS 295 or STT 231) and completion of Tier I writing requirement R: Open to undergraduate students in the Department of Psychology. 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.  
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. 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 Integrative Biology. Administered by Psychology. P: (PSY 209 or IBIO 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.

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.

445 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, 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.

493 Issues in Psychology (W)  
Fall. 3(0-3) P: (PSY 296 or PSY 297) and completion of Tier I writing requirement  
SA: PSY 309  
Current information, research, and practice in Psychology.

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.

499H Senior Honors Thesis  
Fall, Spring. Summer. 3(0-6) P: PSY 499H 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  
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 inductive and deductive reasoning, categorization, analogy, decision making, and problem solving.

804 Molecular and Developmental Neurobiology  
Fall. 3(0-6) Interdepartmental with Integrative Biology and Neuroscience and Pathobiology and Diagnostic Investigation and Pharmacology and Toxicology. Administered by Neurobiology. R: Open to graduate students in the Department of Psychology or Integrated 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 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.
Classical and contemporary theoretical and empirical issues in social psychology.

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.

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.

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.

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.

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.

Evolutionary Psychology
Spring of even years. 3(3-0) R: Open to graduate students in the Department of Psychology or approval of department. The nature and causes of human social behavior and cognition. The evolution, function, strategic logic, and psychology of topics such as family and friendship, sexuality and romance, aggression and warfare, cooperation and conflict, politics, religion, and moral judgment.

Stereotyping, Prejudice and Discrimination
Spring of odd years. 3(3-0) R: Open to graduate students in the Department of Psychology or approval of department. Major theoretical perspectives and methodological issues surrounding the psychology of stereotyping, prejudice, and discrimination within modern society.

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.

Behavior Disorders
Fall. 3(3-0) R: Open only to graduate students in the Department of Psychology. Conceptual models, epidemiology, and review of major diagnostic classification systems.

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.

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 Controversial issues, problems, theories, and data in cognitive science, seen from a variety of perspectives

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.

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.

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

Ecological-Community Psychology
Fall of even years. 3 credits. R: Open only to graduate students in the Department of Psychology. Theory, methodology and research in ecological approaches to community psychology. Identifying researchable problems and funding. The dynamics of research teams.

History and Theory in Ecological-Community Psychology
Fall of odd years. 3(3-0) R: Open 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.

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.

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.
Psychology—PSY

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 8 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 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.

893 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.

894 Seminar in Psychology
Fall, Spring. 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.

895 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.

896 Training and Organizational Development
Spring of odd years. 3(3-0) R: PSY 853 and PSY 854 and graduate courses in behavioral disorders. R: Open 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.

897 Advanced Topics in Ecological and Community Psychology
Fall. 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.

900 Psychoanalytic 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 behavioral disorders. R: Open to graduate students in the Department of Psychology.
Psychoanalytic theories. Research on psychodynamic theoretical concepts and interventions. Intervention concepts, techniques, and types.

901 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.

902 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.