## Department of Psychology

### College of Social Science

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Prerequisites</th>
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<tr>
<td>101</td>
<td>Introductory Psychology</td>
<td>Fall, Spring, Summer. 4(4-0) Mind and behavior from biological, individual, and social perspectives. Scientific and professional aspects of psychology.</td>
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<tr>
<td>200</td>
<td>Cognitive Psychology</td>
<td>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.</td>
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<tr>
<td>209</td>
<td>Brain and Behavior</td>
<td>Fall, Spring. 3(3-0) P: PSY 101 Relation of structure and function of the nervous system to the biological bases of behavior.</td>
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<tr>
<td>235</td>
<td>Social Psychology</td>
<td>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.</td>
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<tr>
<td>236</td>
<td>Personality</td>
<td>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.</td>
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<tr>
<td>238</td>
<td>Developmental Psychology: Lifespan</td>
<td>Fall. 3(3-0) P: PSY 101 Not open to students with credit in HDFS 225. Growth and decline across the human lifespan. Physical, cognitive, emotional, and social development from conception to death.</td>
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<tr>
<td>244</td>
<td>Developmental Psychology: Infancy Through Childhood</td>
<td>Fall, Spring, Summer. 3(3-0) P: PSY 101 Physical, cognitive, emotional, and social development from infancy through childhood.</td>
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<tr>
<td>255</td>
<td>Industrial and Organizational Psychology</td>
<td>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.</td>
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<tr>
<td>270</td>
<td>Community Psychology</td>
<td>Fall. 3(3-0) P: PSY 101 Theory and research in community psychology. Prevention, social change, dissemination models, empowerment, and measurement models.</td>
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<tr>
<td>280</td>
<td>Abnormal Psychology</td>
<td>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.</td>
</tr>
<tr>
<td>292</td>
<td>Special Topics in Psychology</td>
<td>On Demand. 3(3-0) P: PSY 101 Special topics in psychology proposed by faculty to supplement regular course offerings.</td>
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<tr>
<td>295</td>
<td>Data Analysis in Psychological Research</td>
<td>Fall, Spring, Summer. 3(3-0) P: (((MTH 103) or designated score on Mathematics Placement test) and (MTH 101 or MTH 102 or MTH 114 or MTH 124 or MTH 132 or MTH 152H or STT 200 or STT 201)) or (MTH 116) and 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.</td>
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<tr>
<td>301</td>
<td>Cognitive Neuroscience</td>
<td>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.</td>
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<tr>
<td>310</td>
<td>Psychology and Biology of Human Sexuality</td>
<td>Spring of even years. 3(3-0) Interdepartmental with Integrative Biology and Neuroscience. 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. 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. Sex-related disorders. Sexually transmitted diseases.</td>
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<tr>
<td>312</td>
<td>Introduction to Clinical Psychology</td>
<td>Fall. 3(3-0) P: PSY 101 History, theories, and clinical approaches to understanding and affecting human behavior</td>
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<td>318</td>
<td>Gender-Based Violence Across the Lifespan</td>
<td>Summer. 3(3-0) Interdepartmental with Women's Studies. Administered by Psychology. P: PSY 101 Dynamics, risk factors, and community responses to gender-based violence across the lifespan.</td>
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<tr>
<td>320</td>
<td>Health Psychology</td>
<td>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.</td>
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<tr>
<td>333</td>
<td>The Neurobiology of Food Intake and Overeating</td>
<td>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.</td>
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<tr>
<td>339</td>
<td>Psychology of Women</td>
<td>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.</td>
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<tr>
<td>371</td>
<td>Psychological Innovations and Research I</td>
<td>Fall, Spring, Summer. 3(2-2) 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 a two-semester sequence. Theoretical and technical background and direct involvement in a major psychological innovation or research project.</td>
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<tr>
<td>372</td>
<td>Psychological Innovations and Research II</td>
<td>Fall, Spring, Summer. 3(2-2) P: PSY 371 R: Approval of department; application required. Second course of a two-course sequence. Theoretical and technical background and direct involvement in a major psychological innovation or research project.</td>
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<tr>
<td>381</td>
<td>Internship Training in Psychology</td>
<td>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.</td>
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<tr>
<td>382</td>
<td>Internship in Psychology</td>
<td>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.</td>
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<tr>
<td>395</td>
<td>Research Design and Measurement in Psychological Research</td>
<td>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.</td>
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Contemporary models of expertise and skill acquisition and the role of basic cognitive abilities and capacities in complex performance.

Biological and psychological approaches to the study of the extraction, representation, and interpretation of sensory information. Review of major methodologies. Emphasis on vision.

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

Biological approaches to the understanding of behavioral development in human and non-human animals. Role of the nervous system in this process.

Neural mechanisms responsible for learning and memory.

Current research on biological mechanisms that control motivation in humans and non-human species.

Theory and laboratory experience in the study of behavioral neuroscience. Relationship among hormones, brain, and behavior.

Description, etiology, and developmental patterns of behavior problems of children, adolescents, and their families. Child and family interventions.

Advanced topics proposed by faculty to supplement regular course offerings.
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.

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.

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.

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, IIP, Rorschach.

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.

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) 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.

Systems Neuroscience
Spring, 4(4-0) Interdepartmental with Human Anatomy and Integrative Biology and Neuroscience and Pharmacology and Toxicology and Physiology. Administered by Neuroscience. R: Open to graduate students or human medicine students or osteopathic medicine students in the College of Natural Science or in the College of Agriculture and Natural Resources or in the College of Human Medicine or in the College of Osteopathic Medicine or in the College of Social Science or in the College of 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. Classification, description, and etiology of behavior disorders. 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. Contemporary 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. 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, and computer science. Survey of how different disciplines explore the cognitive processes underlying intelligent behavior.

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.

History and Theory in Ecological-Community Psychology
Fall, 3(3-0) RB: PSY 815 or concurrently R: Open only to graduate students in the Department of Psychology. Theoretical perspectives, contemporary problems, philosophies of science, and ethical issues facing the ecological psychologist.

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

Methods and Practice of Community Engagement I
Fall, 3(2-2) P: (PSY 815 or concurrently) and (PSY 871 or concurrently) R: Open to master’s students or doctoral students in the Department of Psychology or approval of department. Entry and operational issues in community interventions and engaged research. Group dynamics, models of practice, and community engagement issues.

Methods and Practice of Community Engagement II
Spring, 3(2-2) P: PSY 873 R: Open to master’s students or doctoral students in the Department of Psychology or approval of department. Issues in executing and completing community engaged research projects. Community engagement issues including ethics, communication, and project closure.

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 establishment of a practicum contract.

887 Statistics for Evaluators II
Summer. 3 credits. R: Open only 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.

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.

930 Social, Cognitive, and Affective Neuroscience
Spring of even years. 3(3-0) R: Open to graduate students or master’s students or doctoral students in the Department of Psychology or approval of department. The neural mechanisms of social, cognitive, and affective/motivational processes. Theory, research, and methodology concerns.

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.

956 Child and Adolescent Assessment and Treatment
Fall. 3(3-0) P: PSY 852 and PSY 853 and PSY 954 R: Open to master’s students or doctoral students in the Department of Psychology or approval of department. Effectiveness of assessment and treatment of child and adolescent psychopathology as well as psychotherapeutic clinical decision-making. Evidenced-based models of assessment and treatment strategies.

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