236 Personality
Fall, Spring, Summer. 3(3-0) P:M: (PSY 101)

239 Psychology of Women
Fall. 3(3-0) P:M: (PSY 101)

244 Developmental Psychology: Infancy Through Childhood
Fall, Spring, Summer. 3(3-0) P:M: (PSY 101)

246 Sensitivity to Children I
Fall. 3(2-2) P:M: (PSY 101) R: To receive credit PSY 246 and PSY 247 must be completed satisfactorily except by prior arrangement with instructor. Not open to students who have completed more than 6 credits of PSY 490 and PSY 491 combined. First course of two-semester sequence. Weekly play with a child to understand child development and to increase skills in communicating with children.

250 Cognitive Psychology
Fall, Spring, Summer. 3(3-0) P:M: (PSY 101)

255 Industrial and Organizational Psychology
Spring, Summer. 3(3-0) P:M: (PSY 101)

260 Abnormal Psychology
Fall, Spring, Summer. 3(3-0) P:M: (PSY 101)

270 Community Psychology
Fall, 3(3-0) P:M: (PSY 101)

280 Social Psychology
Fall, Spring, Summer. 3(3-0) P:M: (PSY 101) Not open to students with credit in SOC 241.

285 Data Analysis in Psychological Research
Fall, Spring, Summer. 3(3-0) P:M: (PSY 101)

295 Health Psychology
Fall, Spring, Summer. 3(3-0) P:M: (PSY 101) Not open to students with credit in STT 200 or STT 201.

300 Personality
Fall, Spring, Summer. 3(3-0) P:M: (PSY 101)

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

315 Introduction to Cognitive Psychology
Fall, Spring. 3(2-2) P:M: (PSY 200 and PSY 205) and completion of Tier I writing requirement. Theoretical and technical background and direct involvement in a major psychological innovation or research project.

320 Sensation and Perception
Fall of even years. 3(3-0) P:M: (PSY 200 and PSY 205) and completion of Tier I writing requirement. Study of the extraction, representation, and interpretation of sensory information. Review of major methodologies. Emphasis on vision.

325 Affect and Self Esteem
Fall, Spring. 3(3-0) P:M: (PSY 101) Psychological study of affect as a mediator of stress, self esteem, and powerlessness. Development of psychological health, personal identity, and interpersonal competence through principles of affect.

330 Personality from a Psychoanalytic Perspective
Fall, Spring. 3(3-0) P:M: (PSY 101) A Freudian framework, including psychosocial development, dreams, unconscious processes, defense mechanisms, prejudice, discrimination, guilt, inability to sleep, anxiety, depression, schizophrenia, sexual problems, and love.

335 Personality
Fall, Spring. 3(3-0) P:M: (PSY 101) Physical, cognitive, emotional, and social development from infancy through childhood.

344 Developmental Psychology: Adolescence Through Youth
Spring, Summer. 3(3-0) P:M: (PSY 244) Theory and research in physical, cognitive, emotional, and social development from puberty to early adulthood.

345 Physiological Psychology
Fall, Spring, Summer. 3(3-0) P:M: (PSY 245) First course of two-semester sequence. Theoretical and technical background and direct involvement in a major psychological innovation or research project.

350 Psychology of Women
Fall, Spring, Summer. 3(3-0) P:M: (PSY 101) R: Approval of department. To receive credit PSY 371 and PSY 372 must be completed satisfactorily except by prior arrangement with instructor. Theoretical and technical background and direct involvement in a major psychological innovation or research project.

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

370 Sensation and Perception
Fall of even years. 3(3-0) P:M: (PSY 200 and PSY 205) and completion of Tier I writing requirement. Open to juniors or seniors in the Department of Psychology.

375 Psychology of Women
Fall, Spring, Summer. 3(3-0) P:M: (PSY 101) First course of two-semester sequence. Not open to students who have completed more than 6 credits of PSY 490 and PSY 491 combined. First course of two-semester sequence. Theoretical and technical background and direct involvement in a major psychological innovation or research project.

380 Personality
Fall, Spring, Summer. 3(3-0) P:M: (PSY 101) First course of two-semester sequence. Theoretical and technical background and direct involvement in a major psychological innovation or research project.

390 Psychology of Women
Fall, Spring, Summer. 3(3-0) P:M: (PSY 101) First course of two-semester sequence. Theoretical and technical background and direct involvement in a major psychological innovation or research project.

400 Psychology of the Life Span
Fall of odd years. 3(3-0) P:M: (PSY 209 or ZOL 402) and completion of Tier I writing requirement. Current research on the development and aging of the brain. Aging and behavior.
Psychology—PSY

410  Neurobiology of Learning and Memory (W)  
Fall. 3(3-0) P:M: (PSY 209 or ZOL 402) and completion of Tier I writing requirement. SA: PSY 308
Neural mechanisms responsible for learning and memory.

411  Psychobiology of Motivation (W)  
Spring of even years. 3(3-0) P:M: (PSY 209 or ZOL 402) and completion of Tier I writing requirement.
Current research on biological mechanisms that underlie motivation.

412  Laboratory in Behavioral Neuroscience (W)  
Fall. 4(2-4) Interdepartmental with Zoology. P:M: (PSY 209 or ZOL 402) and (PSY 295 or concurrently or STT 201) and completion of Tier I writing requirement. SA: PSY 309
Theory and laboratory experience in the study of behavior. Relationship among hormones, brain, and behavior.

414  Psychology of Language (W)  
Spring of odd years. 3(3-0) P:M: (PSY 200 and PSY 295) and (LIN 434 or LIN 401) and completion of Tier I writing requirement.
Experimental psychological study of language. Speech perception, word and sentence processing, prose comprehension and memory. Language production, language acquisition, and the brain bases of language development and use.

424  Child and Family Psychopathology (W)  
Fall, Spring, Summer. 3(3-0) P:M: (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.

440  Attitudes and Social Cognition (W)  
Fall of even years. 3(3-0) P:M: (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.

441  Interpersonal Behavior and Groups (W)  
Spring of even years. 3(3-0) P:M: (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.

442  Stereotypes, Prejudice, and Discrimination (W)  
Fall of odd years. 3(3-0) P:M: (PSY 235 and PSY 295) 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.
Cognitive processes in stereotyping. Contribution of affect and motivation to the linkages among stereotypes, prejudice, and discrimination.

450  Thinking Critically About Psychological Research (W)  
Spring. 3(3-0) P:M: (PSY 295) and completion of Tier I writing requirement. SA: PSY 309
Statistical and methodological principles from the perspective of a critical consumer of research results. Recognizing non-empirical assertions, necessary bases for inferring relationships and causal relationships, common threats to research validity, and pertinent biases in human judgment.

455  Organizational Research Techniques (W)  
Spring. 3(3-0) P:M: (PSY 255 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.

463  Introduction to Cognitive Science  
Spring. 3(3-0) Interdepartmental with Linguistics; Philosophy, Administered by Department of Linguistics and Germanic, Slavic, Asian and African Languages. R: (PHL 462 or LIN 401 or CSE 440 or PSY 200)
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:M: (PSY 236) and completion of Tier I writing requirement. R: Open only to juniors or seniors in the Department of Psychology.
Major personality theories of development, structure, and dynamics. Implications for behavioral disorders and therapy.

490  Special Problems in Psychology  
Fall, Spring. Summer. 1 to 6 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Open only to seniors or students with at least 9 credits in psychology. Students are limited to a combined total of 9 credits in PSY 490 and PSY 491. Students who completed PSY 246, PSY 247 or PSY 371, PSY 372 are limited to a combined total of 6 credits in PSY 490 and PSY 491. Approval of department.
Each student will work under direction of a faculty member on an experimental, theoretical, or applied problem.

491  Participation in Psychological Project  
Fall, Spring. Summer. 1 to 6 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Open only to juniors or seniors with at least 9 credits in psychology. Students are limited to a combined total of 9 credits in PSY 490 and PSY 491. Students who completed PSY 246, PSY 247 or PSY 371, PSY 372 are limited to a combined total of 6 credits in PSY 490 and PSY 491. Approval of department.
Each student will participate in a psychological research project under direction of a faculty member.

492  Special Topics in Psychology  
Fall, Spring. 1 to 3 credits. R: PSY 295
Special topics supplementing regular course offerings proposed by faculty.

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:M: (PSY 498H) R: Approval of department.
Continuation of independent research with faculty supervision. Completion of senior honor thesis.

800  Theories of Learning and Motivation  
Fall. 3(3-0) R: Open only to graduate students in Psychology.

801  Sensation and Perception  
Fall of odd years. 3(3-0) R: PSY 401) or approval of department. R: Open only to graduate students in 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; Pharmacology and Toxicology; Pathology; Zoology, Administered by Department of Neuroscience. R: Bachelor's degree in a Biological Science or Psychology. R: Open only to graduate students in the 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 Psychology.
Scientific, cultural, philosophical, and personal influences in the development of psychology. Persisting issues.

Psycholinguistics
Spring. 3(3-0) R: (PSY 414) R: Open only to graduate students in Psychology. Language processing. Speech perception, lexical representation and access, sentence parsing, discourse comprehension and memory, and language production.

Quantitative Research Design and Analysis in Psychology
Fall. 4(3-2) R: Open only to graduate students in Psychology. Design and analysis of psychological research. Applied descriptive and inferential statistical procedures. Emphasis on discerning and confirming structural relationships among psychological variables. Analysis of variance, regression, and related methods.

Psychometric Methods
Spring. 4(3-2) R: (PSY 815) R: Open only to graduate students in Psychology. Research analysis methods, meta-analysis, reliability theory, construct validation, confirmatory and exploratory factor analysis, causal models of experimental design, and cross sectional studies.

Psychometric Theory and Test Construction
Spring. 3(3-0) R: (PSY 817) R: Open only to graduate students in Psychology. Classical and item response theory approaches to test development. Validation of measures.

Clinical Assessment
Fall. 3(2-2) R: Open only to graduate students in Psychology. Cognitive, neuropsychological, projective, and behavioral assessment. Ethical and statistical issues of assessment.

Child and Family Assessment
Spring of even years. 4(3-2) R: (PSY 828) R: Open only to graduate students in Psychology. Assessment of behavioral, cognitive, psychomotor, and emotional problems in children and families

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

Social and Personality Psychology
Fall. 3(3-0) R: Open only to students with credit in SOC 870. Major theoretical and empirical problems in social and personality psychology.

Research Methods: Interpersonal and Individual Behavior
Spring. 3(2-2) R: (PSY 815 or concurrently) R: Open only to graduate students in Psychology. Strategies and tactics for conducting systematic empirical research on complex human functioning. Social and clinical phenomena.

Personality Processes and Social Behavior
Fall of odd years. 3(3-0) R: Open only to graduate students in the Psychology major or approval of department. Effects of personality processes on social behavior. Laboratory research of experimental, personality, and social psychologists.

Social Cognition
Spring of even years. 3(3-0) R: 15 credits of social sciences, Cognitive psychology 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: Open only to graduate students in Psychology. Theory and empirical research on interpersonal processes. Social comparison, social support, self-evaluation, and relationships. Development and dissolution, attraction, and love.

Group Processes
Spring of odd years. 3(3-0) R: 15 credits in the social sciences. R: Open only to graduate students in Psychology. Theory and empirical research on interpersonal processes. Social comparison, social support, self-evaluation, and relationships. Development and dissolution, attraction, and love.

Advanced Endocrine Physiology and Pharmacology
Fall. 4(4-0) R: Open only to graduate students in Psychology. Interdisciplinary with Physiology. Animal Science, Pharmacology and Toxicology. Administered by Department of Physiology. R: (BMB 461 and PSL 432) R: Open only to graduate students in the Colleges of Human Medicine, Osteopathic Medicine, Veterinary Medicine, Natural Science, and Agriculture and Natural Resources. Basic and advanced concepts of endocrine and reproductive physiology and pharmacology.

Developmental Psychology of Women
Spring of even years. 3(3-0) R: Open only to graduate students in Psychology. Development and implications of sex-typed behavior. Women’s experiences of menstruation, sexuality, motherhood, relationships, achievement, employment, retirement.

Developmental Psychology: Infancy
Fall of even years. 4(3-2) R: Open only to graduate students in Psychology. Prenatal development. Infancy to three years. Basic processes, caregiver-infant relationships, social-cultural context, and assessment from a developmental biopsychosocial systems perspective.

Developmental Psychology: Childhood
Spring of odd years. 3(3-0) R: Open only to graduate students in Psychology. Research and theory on the psychological development of school-age children.

Developmental Psychology: Adolescence
Fall of odd years. 3(3-0) R: Open only to graduate students in Psychology. Research and theory in human psychological development from puberty until adulthood.

Developmental Psychology: Adulthood and Aging
Spring of even years. 3(3-0) R: Open only to graduate students in Psychology. Theoretical perspectives and research findings on human development from early to late adulthood.

Neuropsychology
Fall. 4(4-0) R: Open only to graduate students in Psychology. Basic research and theory in neuropsychology of cognition, language, memory, emotion, motor skill, and lateralization of function. Emphasis on human functions.

Neuropsychological Assessment
Spring of odd years. 3(3-0) R: (PSY 811 and PSY 851) R: Open only to graduate students in Psychology. Diagnosis of brain injuries through the study of brain behavior processes. Concepts and tools relevant for neuropsychological examinations.

Neuropsychological Assessment Laboratory
Spring of even years. 3(0-8) R: Open only to graduate students in the Psychology major. Theory and clinical interpretation of the Halstead Reitan Test Battery and selected other neuropsychological tests.

Behavior Disorders
Fall. 4(4-0) R: Open only to graduate students in Psychology. Classification, description, and etiology of behavior disorders. Conceptual models, epidemiology, and review of major diagnostic classification systems.

Behavior Disorders in Children and Families
Spring. 4(4-0) R: (PSY 853) R: Open only to graduate students in Psychology. Developmental psychopathology. Explanations for the development of child behavior disorders.
Theory and Practice of Psychotherapy
Spring. 3(3-0) R: Open only to graduate students in Psychology or Psychology-Urban Studies.

Theoretical approaches to psychotherapy, and the practical application of techniques derived from these theories. Ethnic and gender issues in therapy.

Industrial and Organizational Psychology
Fall. 3(3-0) R: Open only to graduate students in Psychology.

Theory, research, and practice in organizational training, development, and behavior.

Organizational Psychology and Behavior
Spring. 3(3-0) R: Open only to graduate students in Psychology.

Theory and research on individual behavior in complex organizations. Industrial and organizational psychology. Linking macro- and micro-research and theory.

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.


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.

Topics in Personnel Selection and Human Performance
Fall of odd years. 3(3-0) RB: (PSY 817) R: Open only to graduate students in Psychology. Individual differences in productivity and their implications for organization effectiveness. Theories of human performance. Methods of cumulating research across studies.

Ecological-Community Psychology
Fall. 3(3-0) RB: (PSY 815 or concurrently) R: Open only to graduate students in 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 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 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 Psychology.

Entry and operational issues in community interventions and research. Group dynamics, community politics, intervention integrity.

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 Psychology.

Supervised student research on an experimental, theoretical, or applied problem.

Master's Thesis Research
Fall, Spring, Summer. 1 to 8 credits. A student may earn a maximum of 25 credits in all enrollments for this course. R: Open only to graduate students in Psychology.

Master's thesis research.

Scientific and Professional Ethics
Spring of even years. 3(3-0) R: Open only to graduate students in Psychology.

Ethical issues in human and animal research. Ethical decisions involving issues of gender, ethnicity, and cultural diversity in psychological practice.

Advanced Child and Family Interventions
Fall. 3(3-0) RB: (PSY 854) or approval of department. R: Open only to graduate students in Psychology, Marriage and Family Therapy, and Counseling Psychology.


Training and Organizational Development
Spring of odd years. 3(3-0) RB: (PSY 860) R: Open only to graduate students in Psychology.

Theory and research on identification, development, and evaluation of training activities in organizations. Analysis of organizational functioning and change.

Work Motivation and Job Satisfaction
Fall of odd years. 3(3-0) RB: (PSY 860) R: Open only to graduate students in Psychology.

General theories of human motivation, attitudes, and affect. Specific theories of work motivation and job satisfaction.

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 Psychology.

Contemporary ecological and community psychology issues. Program evaluation, systems analysis. Empowerment, social support, and homelessness.

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 Psychology.

Theoretical and research topics in psychology.

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 Psychology or Psychology-Urban Studies.

Clinical assessment, consultation, and psychotherapy. Supervised experience in assessment, consultation, and psychotherapy with adults, families, and children. Didactic seminar in related theory and research.

Doctoral Dissertation Research
Fall, Spring, Summer. 1 to 24 credits. A student may earn a maximum of 50 credits in all enrollments for this course. R: Open only to doctoral students in Psychology or Psychology-Urban Studies.

Doctoral dissertation research.

Natural Resource Economics
Spring. 3(3-0) Interdepartmental with Resource Development; Park, Recreation and Tourism Resources; Biosystems Engineering. Administered by Department of Resource Development. P/M: (EC 201) and (RD 302 or EEP 255)

Economic framework for analyzing natural resource management decisions. Spatial and inter-temporal allocation of renewable and nonrenewable resources. Special emphasis on institutions, externalities, and public interests in resource management.

Medical Neuroscience
Spring. 4(3-2) Interdepartmental with Neurology and Ophthalmology; Physiology; Human Anatomy. Administered by Department of Neurology and Ophthalmology. R: Graduate-professional students in the Colleges of Human Medicine and Osteopathic Medicine. SA: ANT 552

Correlation of normal structure and function of the human nervous system with clinical testing, classical lesions, and common diseases.