Psychology

Undergraduate Study

For college-level requirements in undergraduate curricula leading to the degrees of bachelor of arts and bachelor of science, see Liberal Arts and Sciences, Curriculum.

An undergraduate major in psychology may be taken as liberal arts education, as preparation for graduate study in psychology, or as background for professional education in law and in the health professions. A student with a bachelor’s degree in psychology may qualify for a variety of positions including those in social sciences, mental health, corrections, rehabilitation, developmental disability centers, business, management, and public opinion surveying. Depending on professional goals, a minor in another discipline may be desirable. Students should consult with their academic advisers early in their undergraduate curriculum. The requirements of the program enable graduates to understand and apply the scientific principles, facts, and basic methods of psychology in their personal and professional activities. Graduates will demonstrate an understanding of the scientific method and will be able to apply that understanding to the study of human behavior and the study of mental processes. They will also demonstrate the ability to effectively communicate their knowledge of psychological concepts through both writing and speech. Graduates will demonstrate a respect for individual and cultural differences and for the ethical issues that relate to the practice of psychology in both research and clinical settings. Professional work with a job title of psychologist in academic, business, clinical, government, and school settings requires graduate degrees.

The major must include the following psychology courses each with a minimum grade of C- and an overall average of C or better:

- PSYCH 101 Introduction to Psychology \(^*\) 3
- PSYCH 102 Laboratory in Introductory Psychology \(^*\) 1
- PSYCH 111 Orientation to Psychology 0.5
- PSYCH 301 Research Design and Methodology \(^*\) 3
- PSYCH 440 Psychological Measurement \(^*\) 3

The major also must include at least one course from four of the following six areas:

**Area A**
- PSYCH 230 Developmental Psychology
- PSYCH 335 Abnormal Psychology of Children and Adolescents

**Area B**
- PSYCH 280 Social Psychology
- PSYCH 380 Social Cognition

**Area C**
- PSYCH 310 Brain and Behavior
- PSYCH 315 Drugs and Behavior

**Area D**
- PSYCH 312 Sensation and Perception
- PSYCH 313 Learning and Memory
- PSYCH 316 Cognitive Psychology
- PSYCH 318 Thinking and Decision Making

**Area E**
- PSYCH 360 Personality Psychology
- PSYCH 460 Abnormal Psychology

**Area F**
- PSYCH 250 Psychology of the Workplace
- PSYCH 350 Human Factors in Technology

Three additional 3-credit courses in psychology 9

Three additional 3-credit courses in psychology must be taken. Area courses may be used to meet this requirement, but variable credit courses (PSYCH 291, PSYCH 470, PSYCH 490, PSYCH 491, and PSYCH 492) may not.

In accordance with college requirements, a C or better average is required in the courses used to satisfy the major.

Departmental requirements for the B.A. and B.S. include the following supporting courses:

- Three additional 3-credit courses used to satisfy the major.
- Variable credit courses (PSYCH 291, PSYCH 470, PSYCH 490, PSYCH 491, and PSYCH 492) may not.

**Communication Proficiency requirement**

The department requires a grade of:

- C or better in:
  - ENGL 150 Critical Thinking and Communication 3
  - ENGL 250 Written, Oral, Visual, and Electronic Composition 3
  - ENGL 250H Written, Oral, Visual, and Electronic Composition: Honors 3

- C- or better in one of the following:
  - PSYCH 302 Research Methods in Psychology 3
  - ENGL 302 Business Communication 3
  - ENGL 309 Report and Proposal Writing 3
  - ENGL 314 Technical Communication 3

**Four Year Plan**

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Graduate Study

The department offers work for the degree of doctor of philosophy in psychology. A master of science may be earned as part of that degree.

The department offers a doctoral specialization in counseling psychology (APA accredited) and doctoral areas of concentration in cognitive psychology and social psychology.

A basic goal of graduate study in the Department of Psychology is to provide all students with a broad base of knowledge in psychological science, as well as exposure to the content and methodological skills necessary for effective performance in teaching, research and professional practice. Accordingly, graduates have an extensive knowledge of psychological principles and the conceptual and quantitative skills to conduct psychological research, communicating the results to the scientific community, students in the classroom, and the general public. Graduates in applied programs have specialized knowledge in counseling and program development. They are skilled in delivering such programs and services to diverse clientele in a variety of settings.

The department also participates in the interdepartmental programs in human computer interaction and neuroscience (http://www.hci.iastate.edu/ Academics/index.php ), and in the interdepartmental minor in gerontology (http://www.gerontology.iastate.edu/?expand=graduate_program ).

A formal class and a supervised practicum in the teaching of psychology is recommended for all doctoral students whose future plans may include teaching at the college level. A 12-month internship in a training site or agency approved by the faculty is required of all doctoral students in counseling psychology.

Courses primarily for undergraduates:

**PSYCH 101. Introduction to Psychology.**
(3-0) Cr. 3. F.S.SS.
Fundamental psychological concepts derived from the application of the scientific method to the study of behavior and mental processes. Applications of psychology.

**PSYCH 101H. Introduction to Psychology: Honors.**
(2-2) Cr. 3. F. Prereq: Enrollment in the University Honors Program
Fundamental psychological concepts derived from the application of the scientific method to the study of behavior and mental processes. Applications of psychology.

**PSYCH 102. Laboratory in Introductory Psychology.**
(0-2) Cr. 1. F.S. Prereq: Credit or enrollment in PSYCH 101
Laboratory to accompany 101.
PSYCH 315. Drugs and Behavior.  
(3-0) Cr. 3. F.S. Prereq: PSYCH 101  
Effects of drug use, including biological effects of psychoactive substances;  
impact of drug use on society; and legal responses to drug use, including legal  
cases and policy initiatives.

PSYCH 316. Cognitive Psychology.  
(3-0) Cr. 3. F.S. Prereq: PSYCH 101  
Overview of human cognition, including sensation and perception, attention,  
memory, education, language, and judgment and decision making.

PSYCH 318. Thinking and Decision Making.  
(3-0) Cr. 3. F.S. Prereq: PSYCH 101; STAT 101 or MATH 104 or equivalent  
Understanding human reasoning and decision making, including evaluating  
evidence, judging probabilities, emotional influences, and social dilemmas,  
with emphasis on the mechanisms that underlie decision making.

PSYCH 333. Educational Psychology.  
(Cross-listed with C I). (3-0) Cr. 3. F.S. Prereq: PSYCH 290 or HD FS 102,  
application to the teacher education program or major in psychology  
Classroom learning with emphasis on theories of learning and cognition,  
and instructional techniques. Major emphasis on measurement theory and the  
classroom assessment of learning outcomes.

PSYCH 335. Abnormal Psychology of Children and Adolescents.  
(3-0) Cr. 3. F.S. Prereq: PSYCH 101; PSYCH 290 or HDF S 102,  
Psychopathology of children and adolescents, including childhood depression and  
and anxiety disorders. Consideration of multiple probable causes and corresponding  
therapies.

PSYCH 346. Psychology of Women.  
(Cross-listed with W S). (3-0) Cr. 3. S. Prereq: 2 courses in psychology including  
PSYCH 101  
Survey of theory and research related to major biological, interpersonal, and  
cultural issues affecting girls’ and women’s psychological development and behavior.  
Meets U.S. Diversity Requirement.

PSYCH 347. U.S. Latino/a Psychology.  
(3-0) Cr. 3. S. Prereq: Two courses in Psychology including PSYCH 101  
Understanding human behavior and cognition in the context of modern  
constructs in terms of their validity and utility for use in Latino/a people in the U.S.  
Unique aspects of psychological functioning particular to Latino/a peoples in the  
U.S.  
Meets U.S. Diversity Requirement.

PSYCH 348. Psychology of Religion.  
(Cross-listed with RELIG). (3-0) Cr. 3. Prereq: Nine credits in psychology  
Survey of psychological theory and research investigating religious and spiritual  
attitudes, beliefs and practices.

(3-0) Cr. 3. F. Prereq: PSYCH 101; junior classification  
Understanding human behavior and cognition in the context of modern  
technologies. Focus on emergent interactive technologies, human computer  
interaction, user centered design, usability analysis, and usability testing.

PSYCH 360. Personality Psychology.  
(3-0) Cr. 3. F.S.SS. Prereq: PSYCH 101  
Historical and contemporary theory and research on development and expression  
of personality with a focus on normal functioning.

(3-0) Cr. 3. Prereq: PSYCH 101 or PSYCH 280  
How people understand themselves and others, including attribution, social  
categories and schemas, the self, social inference, stereotypes, and prejudice.

(Cross-listed with SOC). (3-0) Cr. 3. S. Prereq: SOC 305 or PSYCH 280  
A survey of small group theory and research from an interdisciplinary, social  
psychological perspective.

PSYCH 382. Psychology and Law.  
(3-0) Cr. 3. F.S. Prereq: PSYCH 101 or PSYCH 280  
Survey of topics in the interface between psychology and the legal system  
including but not limited to theories of crime, policing, eyewitness reliability, jury  
behavior, competence and insanity, and trial processes.

PSYCH 401. History of Psychology.  
(3-0) Cr. 3. F.S. Prereq: 4 courses in psychology  
Philosophy and science backgrounds of psychology. Development of theories and  
causes of events in academic and applied psychology. Nonmajor graduate credit.

(3-0) Cr. 3. F. Prereq: PSYCH 101; PSYCH 310 or equivalent  
Examination of the neuroanatomical foundation of cognition, affect, and action  
from a neurological perspective. Focus on basic and applied research with  
nervological patients. Nonmajor graduate credit.

PSYCH 411. Evolutionary Psychology.  
(3-0) Cr. 3. S. Prereq: Junior classification, three courses in psychology; one  
course in biology  
Examination of the application of the principles of evolutionary biology to  
the understanding of human behavior. Evolutionary perspectives on brain  
development, cognition, language, mating behavior, sex differences, altruism,  
artistic behavior, and criminal behavior are explored. Arguments by those critical  
of the evolutionary approach to psychology are also examined.

PSYCH 413. Psychology of Language.  
(Cross-listed with LING). (3-0) Cr. 3. Prereq: PSYCH 101  
Introduction to psycholinguistics. Topics may include origin of language, speech  
perception, language comprehension, reading, bilingualism, brain bases of  
language, and computational modeling of language processes. Nonmajor  
graduate credit.

PSYCH 422. Counseling Theories and Techniques.  
(3-0) Cr. 3. F. Prereq: 3 courses in psychology  
Overview of the major counseling theories and techniques, with emphasis on the  
key concepts of each theory, the role of the counselor, therapeutic goals, and  
the main techniques derived from each theory. Nonmajor graduate credit.

PSYCH 422L. Laboratory in Counseling Theory and Techniques.  
(0-2) Cr. 1. F. Prereq: Three classes in psychology and credit or enrollment in  
PSYCH 422  
Learn basic counseling skills such as active listening, reflecting feelings, empathy,  
contemplation, immediacy and self-disclosure. Supervised practice using basic  
counseling skills.

PSYCH 440. Psychological Measurement I.  
(2-0) Cr. 3. F.S.SS. Prereq: PSYCH 301 and 9 credits in psychology, STAT 101  
Principles of psychological measurement, including concepts of reliability and  
validity; interpretation of scores; factors influencing performance; construction  
and use of measures of ability, achievement, and personality. Nonmajor graduate  
credit.

PSYCH 450. Industrial Psychology.  
(3-0) Cr. 3. S. Prereq: 2 courses in psychology including PSYCH 101, STAT 101  
Theory, content and methods of industrial psychology related to the effective  
operation of organizations. Application of psychology principles to topics including  
job performance, motivation, satisfaction, turnover, and compensation. Nonmajor  
graduate credit.

PSYCH 460. Abnormal Psychology.  
(3-0) Cr. 3. S.F.SS. Prereq: 3 courses in psychology including PSYCH 101  
Description of major forms of maladaptation including anxiety, mood disorders,  
personality disorders, substance dependence, and schizophrenia. Factors in  
development of behavior deviations. Research pertinent to the description,  
development, and maintenance of abnormal behavior. Nonmajor graduate credit.

PSYCH 470. Seminar in Psychology.  
(1-0) Cr. 1-3. Repeatable. Prereq: 12 credits in psychology  
Current topics in psychological research and practice in the following areas.

PSYCH 470A. Seminar in Psychology: Counseling.  
(1-0) Cr. 1-3. Repeatable. Prereq: 12 credits in psychology

PSYCH 470B. Seminar in Psychology: Experimental.  
(1-0) Cr. 1-3. Repeatable. Prereq: 12 credits in psychology

(1-0) Cr. 1-3. Repeatable. Prereq: 12 credits in psychology

PSYCH 470D. Seminar in Psychology: Social.  
(1-0) Cr. 1-3. Repeatable. Prereq: 12 credits in psychology

PSYCH 484. Psychology of Close Relationships.  
(3-0) Cr. 3. Prereq: 9 credits in psychology including PSYCH 280  
Theories and research concerning the functions, development, and deterioration  
of close relationships. Influence of psychological processes on friendship,  
romantic, marital, and family relationships. Topics include mate selection,  
interdependence, trust and commitment, power and dominance in relationships,  
sexuality, divorce, gender roles, and family interaction. Nonmajor graduate credit.
PSYCH 485. Health Psychology.  
(3-0) Cr. 3. F. Prereq: Junior classification, 6 credits in psychology  
Application of psychological theory and research methods to issues in physical  
health. Psychological factors in illness prevention, health maintenance, treatment  
of illness, recovery from injury and illness, and adjustment to chronic illness.  

PSYCH 487. Human Aggression.  
(3-0) Cr. 3. S. Prereq: PSYCH 230, PSYCH 301; PSYCH 313, PSYCH 316, or  
PSYCH 380  
Theory and research on development and occurrence of human aggression;  
implications for prevention and treatment.  

PSYCH 488. Cultural Psychology.  
(3-0) Cr. 3. Prereq: PSYCH 280 and PSYCH 301; junior classification  
Examination of the ways that cultural beliefs, values, and ideologies shape  
cognitive, developmental, social and other psychological phenomena. Nonmajor  
graduate credit.  
Meets International Perspectives Requirement.  

PSYCH 490. Independent Study.  
Cr. 1-3. Repeatable, maximum of 9 credits. F.S.S.S. Prereq: Junior classification, 6  
credits in psychology, and permission of instructor  
Supervised reading in an area of psychology. Writing requirement. No more than 9  
credits of Psych 490 may be counted toward a degree in psychology.  

PSYCH 491. Research Practicum.  
Cr. arr. Repeatable, maximum of 9 credits. F.S.S.S. Prereq: Junior classification,  
permission of instructor, and credit or enrollment in PSYCH 301  
Supervised research in an area of psychology. Primarily for students intending to  
pursue graduate education. No more than 9 credits of Psych 491 may be counted  
toward a degree in psychology.  

PSYCH 492. Fieldwork Practicum.  
Cr. arr. Repeatable, maximum of 9 credits. F.S.S.S. Prereq: Junior classification,  
12 credits in psychology, and permission of instructor  
Supervised fieldwork in one of the following applied psychology settings. Offered  
on a satisfactory-fail basis only. No more than 9 credits of Psych 492 may be counted  
toward a degree in psychology.  

Cr. arr. Repeatable, maximum of 9 credits. F.S.S.S. Prereq: Junior classification,  
12 credits in psychology and permission of instructor  

PSYCH 492B. Fieldwork Practicum: I/O Psychology.  
Cr. arr. Repeatable, maximum of 9 credits. F.S.S.S. Prereq: Junior classification,  
12 credits in psychology, credit or enrollment in PSYCH 450.  

Courses primarily for graduate students, open to qualified undergraduates:  

(3-0) Cr. 3. F. S. Prereq: STAT 401 or equivalent  
Ethical issues, research design, sampling design, measurement issues, power  
and precision analysis, interpretation of statistical results in non-experimental,  
quasi-experimental, and experimental research, use of statistical packages.  

(3-0) Cr. 3. Prereq: PSYCH 440 and PSYCH 501 or STAT 401  
Methods and issues in applied psychological research. Role of theory in  
research, fidelity of measurement, selection of subjects, sampling, ethical issues,  
experimentation, data collection methods, power analysis, and professional  
standards for writing research articles. Emphasis on research methodological  
issues, not statistical issues.  

PSYCH 516. Advanced Cognition.  
(3-0) Cr. 3. F.S. Prereq: PSYCH 316  
Theoretical models and empirical research in human cognition including  
perception, attention, memory, concepts/categorization, imagery, and judgment  
and decision making.  

PSYCH 517. Psychopharmacology.  
(3-0) Cr. 3. Prereq: PSYCH 310, PSYCH 315, or equivalent and permission of  
instructor  
Fundamentals of drug-behavior interactions with emphasis on psychoactive drugs  
and their use in experimental, therapeutic, and social settings.  

(3-0) Cr. 3. Prereq: PSYCH 310 and PSYCH 316 or PSYCH 313  
Psychological models and related neurological substrates underlying cognition in  
normal and brain-damaged individuals.  

(Cross-listed with HCI). (3-0) Cr. 3. Prereq: Graduate classification or instructor  
approval  
Biological, behavioral, perceptual, cognitive and social issues relevant to human  
computer interactions.  

(Cross-listed with HCI). (3-0) Cr. 3. Alt. S., offered 2013. Prereq: PSYCH 521 and  
STAT 101 or equivalent  
Basics of hypothesis testing, experimental design, analysis and interpretation of  
data, and the ethical principles of human research as they apply to research in  
human computer interaction.  

PSYCH 533. Educational Psychology of Learning, Cognition, and Memory.  
(Cross-listed with C I). (3-0) Cr. 3. F.  
Learning, cognition, and memory in educational/training settings.  

(Cross-listed with HD FS). (3-0) Cr. 3. Alt. F., offered 2013. Prereq: 9 credits in  
human development and family studies or psychology  
Theories, research, and current issues regarding the intersection of development  
and disabilities. Investigation of interventions with individuals and families. (on-line  
course offering via Distance Education).  

(3-0) Cr. 3. F. Prereq: PSYCH 440  
Principles of psychological measurement, including concepts of reliability and  
validity; interpretation of scores; factors influencing performance; test construction  
and use of measures of intelligence, ability, achievement, vocational interest, and  
personality. Ethical and multicultural issues in measurement.  

PSYCH 544. Practicum in Assessment.  
(2-1) Cr. 2. F. S. Prereq: PSYCH 542 and admission into the PhD program in  
counseling psychology  
Supervised practice in designing and implementing observational systems and in  
administering, scoring, interpreting, and reporting individual tests.  

PSYCH 560. Advanced Personality Psychology.  
(3-0) Cr. 3. Prereq: 4 courses in psychology, including PSYCH 360  
Advanced analysis of contemporary theory and research on personality  
measurement, development, heritability, and social expression.  

PSYCH 561. Psychopathology and Behavior Deviations.  
(3-0) Cr. 3. Prereq: PSYCH 460  
Examination of theoretical perspectives and current research pertinent to  
the major forms of adult dysfunction including: adjustment, anxiety, mood,  
somatiform, dissociative, sexual and gender identity, personality, schizophrenic,  
eating, and substance abuse disorders.  

PSYCH 562. Personality Assessment.  
(3-0) Cr. 3. Prereq: PSYCH 360, PSYCH 440, PSYCH 542, and PSYCH 501 or  
STAT 401 and admission to the PhD program in counseling psychology  
Principles, concepts, and methods of personality assessment. Though not a  
practicum course, exposure is given to a variety of objective, projective, and  
situational tests.  

(3-0) Cr. 3. Prereq: 4 courses in psychology, including PSYCH 280  
Current theories, methods, and research in social psychology with an emphasis  
on cognitive and interpersonal processes such as attribution, social cognition,  
attitude change, attraction, aggression, and social comparison.  

PSYCH 590. Special Topics.  
Cr. arr. Repeatable. Prereq: 12 credits in psychology, and permission of instructor  
Guided reading on special topics or individual research projects in the following  
areas.  

PSYCH 590A. Special Topics: Counseling.  
Cr. arr. Repeatable. Prereq: 12 credits in psychology, and permission of instructor  

PSYCH 590Q. Special Topics: Cognitive.  
Cr. arr. Repeatable. Prereq: 12 credits in psychology, and permission of instructor  

PSYCH 590R. Special Topics: Social.  
Cr. arr. Repeatable. Prereq: 12 credits in psychology, and permission of instructor  

PSYCH 590Z. Special Topics: General.  
Cr. arr. Repeatable. Prereq: 12 credits in psychology, and permission of instructor  

PSYCH 592. Seminar in Psychology.  
(1-0) Cr. 1-3. Repeatable. Prereq: 12 hours in psychology or graduate  
classification.  
Seminar in the following areas.
PSYCH 592C. Seminar in Psychology: Developmental.
(1-0) Cr. 1-3. Repeatable. F.S. Prereq: 12 hours in psychology or graduate classification.

PSYCH 592P. Seminar in Psychology: Research Methods and Psychometrics.
(1-0) Cr. 1-3. Repeatable. Prereq: 12 hours in psychology or graduate classification.

PSYCH 592Z. Seminar in Psychology: General.
(1-0) Cr. 1-3. Repeatable. Prereq: 12 hours in psychology or graduate classification.

(1-0) Cr. 1. F.S. Prereq: PSYCH 501 or equivalent
Specialized quantitative methods for social and behavioral research problems in the following areas.

PSYCH 594A. Quantitative Behavioral Methods: Classical psychometric theory.
(1-0) Cr. 1. F.S. Prereq: PSYCH 501 or equivalent

PSYCH 594B. Quantitative Behavioral Methods: Modern psychometric methods.
(1-0) Cr. 1. F.S. Prereq: PSYCH 501 or equivalent

PSYCH 594C. Quantitative Behavioral Methods: Construct validation.
(1-0) Cr. 1. F.S. Prereq: PSYCH 501 or equivalent

PSYCH 594D. Quantitative Behavioral Methods: Multi-dimensional scaling.
(1-0) Cr. 1. F.S. Prereq: PSYCH 501 or equivalent

PSYCH 594E. Quantitative Behavioral Methods: Cluster Analysis.
(1-0) Cr. 1. F.S. Prereq: PSYCH 501 or equivalent

PSYCH 594F. Quantitative Behavioral Methods: Meta-analysis.
(1-0) Cr. 1. F.S. Prereq: PSYCH 501 or equivalent
Specialized quantitative methods for social and behavioral research problems.

PSYCH 594G. Quantitative Behavioral Methods: Longitudinal analysis.
(1-0) Cr. 1. F.S. Prereq: PSYCH 501 or equivalent

PSYCH 594I. Quantitative Behavioral Methods: Focus Groups.
(1-0) Cr. 1. F.S. Prereq: PSYCH 501 or equivalent

PSYCH 594J. Quantitative Behavioral Methods: General.
Cr. 1-3. F.S. Prereq: PSYCH 501 or equivalent
Offered on a satisfactory-fail basis only.

PSYCH 595. Seminar in Social Psychology.
Cr. 1-3. Repeatable. F.S. Prereq: 12 credits in Psychology Seminar in the following areas in social psychology.

Cr. 1-3. Repeatable. F.S. Prereq: 12 credits in Psychology Nonmajor graduate credit.

PSYCH 595B. Seminar in Social Psychology: Aggression.
Cr. 1-3. Repeatable. F.S. Prereq: 12 credits in Psychology Nonmajor graduate credit.

PSYCH 595C. Seminar in Social Psychology: Culture.
Cr. 1-3. Repeatable. F.S. Prereq: 12 credits in Psychology Nonmajor graduate credit.

PSYCH 595D. Seminar in Social Psychology: Attitudes and Attitude Change.
Cr. 1-3. Repeatable. F.S. Prereq: 12 credits in Psychology

Cr. 1-3. Repeatable. F.S. Prereq: 12 credits in Psychology

Cr. 1-3. Repeatable. F.S. Prereq: 12 credits in Psychology

Cr. arr. Repeatable. F.S. Prereq: 12 credits in Psychology

PSYCH 596. Seminar in Counseling Psychology.
Cr. arr. Repeatable. F.S. Prereq: 12 credits in Psychology Seminar in the following areas in counseling psychology.

PSYCH 596A. Seminar in Counseling Psychology: Supervision.
Cr. arr. Repeatable. F.S. Prereq: 12 credits in Psychology

PSYCH 596B. Seminar in Counseling Psychology: Research.
Cr. arr. Repeatable. F.S. Prereq: 12 credits in Psychology

PSYCH 596C. Seminar in Counseling Psychology: Multicultural.
Cr. arr. Repeatable. F.S. Prereq: 12 credits in Psychology

PSYCH 596D. Seminar in Counseling Psychology: Professional Issues and Ethics.
Cr. arr. Repeatable. F.S. Prereq: 12 credits in Psychology

PSYCH 596E. Seminar in Counseling Psychology: General.
Cr. arr. Repeatable. F.S. Prereq: 12 credits in Psychology

PSYCH 597. Internship in Psychology.
Cr. R. Prereq: M.S. degree candidacy; permission of instructor Full-time, non-clinical, supervised experience in a setting relevant to psychology. Intended for master's degree level internships.

PSYCH 598. Seminar in Cognitive Psychology.
Cr. arr. Repeatable. F.S. Prereq: PSYCH 516, PSYCH 501 or STAT 401 Seminar in the following areas in cognitive psychology.

PSYCH 598A. Seminar in Cognitive Psychology: Attention and Perception.
Cr. arr. Repeatable. F.S. Prereq: PSYCH 516, PSYCH 501 or STAT 401

PSYCH 598B. Seminar in Cognitive Psychology: Memory.
Cr. arr. Repeatable. F.S. Prereq: PSYCH 516, PSYCH 501 or STAT 401

PSYCH 598C. Seminar in Cognitive Psychology: Cognitive Neuroscience.
Cr. arr. Repeatable. F.S. Prereq: PSYCH 516, PSYCH 501 or STAT 401

PSYCH 598D. Seminar in Cognitive Psychology: Judgment and Decision Making.
Cr. arr. Repeatable. F.S. Prereq: PSYCH 516, PSYCH 501 or STAT 401

PSYCH 598E. Seminar in Cognitive Psychology: Evolution.
Cr. arr. Repeatable. F.S. Prereq: PSYCH 516, PSYCH 501 or STAT 401

PSYCH 598F. Seminar in Cognitive Psychology: Language.
Cr. arr. Repeatable. F.S. Prereq: PSYCH 516, PSYCH 501 or STAT 401

Cr. arr. Repeatable. F.S. Prereq: PSYCH 516, PSYCH 501 or STAT 401

PSYCH 598I. Seminar in Cognitive Psychology: General.
Cr. arr. Repeatable. F.S. Prereq: PSYCH 516, PSYCH 501 or STAT 401

PSYCH 599. Creative Component.
Cr. arr. Offered on a satisfactory-fail basis only.

Courses for graduate students:

PSYCH 591. History of Philosophy of Psychology.
(3-0) Cr. 3. Prereq: 4 courses in psychology Origins of psychology in philosophical, medical, and related thought. Development as an independent discipline in the nineteenth and twentieth centuries as a science and as a practice including traditional and contemporary theory and philosophy.

PSYCH 595. Multi-level Modeling.
(Cross-listed with HD FS). (3-0) Cr. 3. Alt. F., offered 2013. Prereq: HD FS 503 and HD FS 505 or STAT 404 Rationale for and interpretation of random coefficient models. Strategies for the analysis of multi-level and panel data including models for random intercepts, random slopes, and growth curves. Applications including HLM, SAS, PROC MIX, and MPLUS.

(3-0) Cr. 3. F. Prereq: 3 courses in psychology or graduate classification Overview of major counseling theories with emphases upon: key concepts of theories, the role of the counselor, and applications of theory in fostering client change.

(0-6) Cr. 3. F. Prereq: permission of instructor required Development of basic counseling skills and techniques through observation, role-playing, case studies, and supervised counseling sessions.

PSYCH 623. Vocational Behavior.
(3-0) Cr. 3. Prereq: 3 courses in psychology or graduate classification Theoretical views, research, and issues in career development through the life span. Methods of career counseling, including appraisal interviewing, assessment, test interpretation, and use of information sources.
PSYCH 626. Group Counseling. (2-2) Cr. 3. Prereq: Graduate classification
Theory, research, ethical issues, and therapeutic considerations relevant to group counseling. Participation in lab exercises for development of group counseling skills and observation of ongoing groups.

PSYCH 633. Teaching of Psychology. (3-0) Cr. 3. Prereq: Enrollment in doctoral degree program in psychology, completion of at least 1 year of graduate study, permission of instructor
Orientation to teaching of psychology at college level: academic issues and problems, instructional and evaluative techniques.

PSYCH 691. Practicum in Psychology. Cr. arr. F.S. Prereq: Permission of instructor
Supervised practice and experience in the following fields of specialization in applied psychology.

PSYCH 691A. Practicum in Psychology: Counseling (Beginning). Cr. 1-3. Repeatable, maximum of 6 credits. F.S. Prereq: PSYCH 621L

PSYCH 691B. Practicum in Psychology: Counseling (Intermediate). Cr. 1-3. Repeatable, maximum of 6 credits. F.S. Prereq: Permission of instructor, PSYCH 691A


PSYCH 691G. Practicum in Psychology: Group Counseling. Cr. 1-3. F.S. Prereq: Prereg: Permission of instructor, PSYCH 626, PSYCH 691A

PSYCH 691S. Practicum in Psychology: Supervision. Cr. 1-3. F.S. Prereq: Permission of instructor, PSYCH 592A, PSYCH 621L

PSYCH 691T. Practicum in Psychology: Teaching. Cr. 1-3. Repeatable, maximum of 6 credits. F.S. Prereq: Permission of instructor, PSYCH 633
Offered on a satisfactory-fail basis only.

PSYCH 691Z. Practicum in Psychology: General. Cr. 1-3. Repeatable, maximum of 6 credits. F.S. Prereq: Permission of instructor

PSYCH 692. Research Seminar. (1-0) Cr. 1-3. Repeatable. Prereq: Permission of instructor
Research seminar in the following areas.

PSYCH 692A. Research Seminar: Counseling. (1-0) Cr. 1-3. Repeatable. Prereq: Permission of instructor


PSYCH 692Z. Research Seminar: General. (1-0) Cr. 1-3. Repeatable. Prereq: Permission of instructor

PSYCH 697. Internship in Counseling Psychology. Cr. R. Prereq: Ph.D. candidacy in the Counseling Psychology program, approved dissertation proposal, and permission of instructor
Full time supervised predoctoral internship experience in a setting relevant to counseling psychology.

Offered on a satisfactory-fail basis only.