

Psychology

Department of Psychology

College of Arts and Sciences
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Overview

Psychology is the science of behavior and the mind. The study of psychology provides an understanding of basic processes of sensation, perception, learning, cognition, development, and personality along with principles of social psychology, clinical psychology, and behavioral neuroscience. Knowledge of psychological principles and of scientific methods for evaluating theories and research in the social and behavioral sciences is essential in our rapidly changing society.

The requirements for the psychology major are designed to provide students with foundational skills in statistics ([PSY 207](#)) and scientific methods ([PSY 250](#)) that are essential for subsequent coursework in psychology. The additional requirements for the psychology major are intended to introduce students to the great breadth of psychology as a scientific discipline; therefore, students are required to complete courses in four complementary areas of psychology. A second course in research methods ([PSY 450](#)) and experience in psychological research ([PSY 498](#)) are recommended for students who plan to pursue graduate study in psychology.

About our Degrees

Objectives

Psychology is the science of behavior and the mind. In both the B.A. and the B.S. programs, the study of psychology provides an understanding of basic processes of sensation, perception, learning, cognition, development, and personality along with principles of social psychology, clinical psychology, and behavioral neuroscience. Knowledge of psychological principles and of scientific methods for evaluating theories and research in the social sciences is essential in our rapidly changing society.

Acceptance Criteria

Minimum GPA of 2.0 overall.
Minimum GPA of 2.5 in prerequisite courses before full acceptance.

Provisional Acceptance

Students who have completed 60 credits but have not completed the prerequisite courses or have not achieved the minimum GPA of 2.5 may be provisionally accepted.

Acceptance Information

Deadline: Rolling

Degree Requirements

Please see [Degrees and Policies](#).

About our Courses

The typical class size for:

Freshman/introductory courses: 400
Sophomore/intermediate courses: 200
400-level/advanced courses: 30-40

Suggested Introductory Courses for B.A.

Psychology

- [ULC 148](#) Algebra and Trigonometry or equivalent
- [PSY 101](#) Introductory Psychology
- [PSY 207](#) Psychological Statistics
- [PSY 250](#) Scientific Inquiry in Psychology
- [PSY 321](#) Psychology of Personality
- [PSY 322](#) Abnormal Personality
- [PSY 331](#) Social Psychology
- [PSY 336](#) Developmental Psychology
- [PSY 341](#) Cognitive Psychology
- [PSY 343](#) Sensory Processes and Perception
- [PSY 351](#) Biopsychology

For course descriptions, please see [Courses](#).

About our Faculty

Please see the Psychology department web site's information on [faculty and staff](#).

See a list of our [Undergraduate Faculty](#).

About our Facilities

The Department of Psychology at UB, established in the 1920s, is situated in Park Hall. This modern building provides state-of-the-art laboratory facilities for psychological research.

Transfer Policy

Transfer students who bring psychology coursework to UB must meet the same criteria for acceptance into the department as students who start at this university. Students may transfer coursework required for admission into the department, as well as additional psychology coursework. However, courses taken in statistics and research methods, as well as upper-level psychology courses, must be evaluated and approved by the department. A minimum of three upper-level psychology courses must be taken at UB.

Extracurricular Activities

[Undergraduate Psychology Association](#)

The Undergraduate Psychology Association (UPA) is open to all students. This organization sponsors guest speakers on topics of interest to psychology students, workshops on topics such as applying to graduate schools, social activities for students and faculty, travel to regional and national psychology conferences, and an undergraduate graduation ceremony.

[Psi Chi](#) [National honor society in psychology]

Psi Chi was founded in 1929 for the purpose of encouraging, stimulating, and maintaining excellence in scholarship and advancing the science of psychology. Membership is open to psychology majors who have a minimum GPA of 3.1 overall and 3.4 in psychology courses. The UB chapter of Psi Chi sponsors workshops on careers in psychology and social activities for students and faculty.

See the [UB Student Association](#)

Practical Experience and Special Academic Opportunities

Undergraduate Research and Practical Experience

Many opportunities are available for undergraduate students to become involved in research in psychology with department faculty and graduate students. Current research programs include language processes, auditory, music and speech perception, memory, attention deficit-hyperactivity disorder, social interactions, personality, anxiety disorders, small-group processes, behavior therapy, human psychophysiology and biofeedback, and neurochemical and electrophysiological investigations into the physiological bases of behavior. The department's computerized research facilities include eye tracking, real-time systems and networks for studies of behavior and physiological processes. The Psychological Services Center provides facilities for therapy and assessment with individuals, couples, families, and groups.

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Students can receive course credit through [PSY 498](#) Undergraduate Research. Students should visit the [department web site](#) where summaries of current research are found on faculty web pages.

Independent Study

[PSY 499](#) Independent Study is available to students who have completed [PSY 207](#) Psychological Statistics and [PSY 250](#) Scientific Inquiry. This course allows students to pursue a program of specialized study, for a semester or longer, that would not be available through regularly scheduled courses. Enrolling requires permission of a faculty sponsor.

Honors, Awards, and Scholarships

Students must earn the following GPA in all psychology courses in order to graduate with departmental honors: 3.2 with distinction; 3.5 with high distinction; 3.75 with highest distinction.

The Psychology Honors Program is a year long program designed to enable students to complete an individual research project (i.e., Honors Thesis) under the supervision of a faculty advisor. The Honors Program consists of two parts. The first part is the Honors Seminar, which meets only during the Fall semester. The topics covered during the Honors Seminar are intended to help students design, execute, write, and defend their Honors Thesis. In addition, there will be discussion of issues relevant to choosing a career path in psychology and other areas. The second part of the Honors Program is completion of the Honors Thesis, which students work on throughout both the Fall and Spring semesters, and defend in an oral examination at the end of Spring semester.

The Honors Program is challenging. Students are expected to demonstrate a high level of skill not only in conducting research but also in professional scientific writing and oral defense of their work. If students successfully complete the program (both the written Honors Thesis and the oral examination), their transcripts will indicate graduation with Honors, High Honors, or Highest Honors in psychology.

The Honors Program is particularly beneficial for students who plan to pursue graduate study in psychology or related disciplines. The skills learned in the Honors Seminar and in the conduct and completion of an Honors Thesis not only augment graduate applications, but also provide an excellent foundation for graduate level work in any field. Most importantly, participating in the Honors Program gives students a chance to get hands on experience with research, which is key in helping students to determine if they would like to pursue a career in research.

The Psychology Honors Program is independent of the University Honors College at UB.

The Honors Program is open to seniors with a GPA of at least 3.0 overall and within psychology who have secured a faculty advisor to supervise their work. Prior or concurrent completion of [PSY 450](#) Advanced Research Methods is a requirement for participation. Prior research experience ([PSY 498](#)) and prior or concurrent completion of [PSY 405](#) Data Analysis Techniques are recommended. Students interested in the honors program should obtain a detailed program description in 283 Park Hall during their junior year.

Career Information and Further Study

Skills gained in this program include:

Using insight to deal effectively with people; promoting good relationships with a group; applying knowledge of human needs/problems to counseling/crisis intervention; using interviewing techniques in investigative reporting, social service, or marketing research; conducting surveys and interpreting results; analyzing statistical data, using computers and assisting in lab research; conducting library research; and writing reports.

Transferable Skills:

Managing, interpreting, editing, advising, organizing, problem solving, detail orientation, writing, teaching, speaking to groups, reading critically, reasoning, analyzing, statistical analysis, ability to think conceptually, evaluating evidence, advising, selling, and observing human behavior.

Career Choices

The undergraduate degree in psychology does not make you a psychologist or professional counselor - it does provide you with an excellent liberal arts background and is valuable for almost any type of work focused on people.

Students who earn a BA or BS in psychology will be well-prepared for graduate study in psychology and related mental health fields, graduate study in medicine, education, law, or business, and other careers that require a good understanding of individual behavior and interpersonal relations.

There are many fine career possibilities, including: Advertising manager, behavior modification management, caseworker, child-care worker, clinical psychologist, college or university professor, community planner, computer programmer, counselor, (vocational, rehabilitation, probation, alcohol and drug), criminal justice (law enforcement, criminologist), educator, employment counselor, government programs and agencies, graduate school (all types, including law school, medical school, dentistry), guidance counselor, hospitals and mental health facilities, industrial management/business, medical technician, mental health worker, occupational therapist, personnel manager, probation officer, psychology aide/technician, public relations specialist, research/advertising, research assistant, research psychologist, sales, school psychologist social and community agencies, social worker, special education worker, teacher (elementary and secondary), therapist, vocational rehabilitation counselor and youth worker.

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Work settings include:

Students with a bachelor's degree who pursue work after graduation typically work in aspects of business, government, health, education, and other areas requiring an understanding and sensitivity to behavioral dynamics. Approximately 40% of all psychologists in the USA and Canada work for business and industry, government agencies, hospitals and clinics or in private practice as well as clinical or consulting agencies. The other 60% are employed in colleges/universities, elementary and secondary schools.

Salary Information

Salaries range greatly from one occupation, position, and work setting to another. According to the 2005 NACE national salary survey for bachelor's degree graduates in psychology, the average salary was \$30,073, with salaries ranging from \$15,000 to \$39,000.

Additional Resources

- [American Psychological Association](#)
- [American Psychological Society](#)
- Information about [Psychology careers](#)

Two excellent resources for current, detailed career information are:

- [Careers in Psychology for the 21st Century](#)
- [Career Resources](#)

Degree Options

The BA degree allows students to pursue diverse interests while obtaining a strong foundation in the behavioral sciences. The requirements and flexibility of this program readily allow students to pursue double majors or multiple minors to complement their interests in psychology. At the same time, the requirements for the BA degree program ensure that students have a solid foundation for advanced training in a variety of disciplines.

The BS degree in psychology provides students with a challenging undergraduate major that includes a strong science-training component. The basic goal is to provide a program that emphasizes the scientific foundations of psychology to prepare students for advanced training in psychology, medicine, cognitive science, neuroscience, and other related disciplines. The BS degree program is explicitly aimed at helping prepare students for graduate study in the sciences and science-based professions. Even if students do not continue their education at the graduate level, the background in science and mathematics that is part of this program provides students with knowledge and skills that broaden their career opportunities. Sample descriptions of programs that fulfill the requirements for the BS in psychology for students interested in cognitive psychology or cognitive science and for students interested in behavioral neurosciences (this program also fulfills typical requirements for a pre-med program) are available in 283 Park Hall.

Joint Major. The joint major is possible only with other majors that offer the BA degree. Students must complete [PSY 101](#), [ULC 148](#) or equivalent*, [PSY 207](#), [PSY 250](#), and five additional courses: four 300-level courses (one in each of four substantive areas) and one 400-level course. See BA requirements for additional information. The joint major requires 25 credit hours in psychology.

Degrees Offered

Undergraduate: BA, BS

Graduate: MA, PhD

Links to Further Information About this Program

- [Undergraduate Catalog](#)
- [Undergraduate Admissions](#)
- [Graduate Admissions](#)
- [Department of Psychology](#)
- [College of Arts and Sciences](#)

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Psychology - B.A.

Acceptance Criteria

Minimum GPA of 2.0 overall.
Minimum GPA of 2.5 in prerequisite courses before full acceptance.

Advising Notes

A minimum GPA of 2.0 in psychology courses is required for graduation. Majors whose GPAs in psychology courses fall below 2.0 during any semester are automatically placed on probation. Majors whose GPAs remain below 2.0 in consecutive semesters are dismissed from the department.

[PSY 495](#) Undergraduate Supervised Teaching and [PSY 496](#) Supervised Applied Experience do not count toward the course requirements for majors.

[PSY 497](#) Honors, [PSY 498](#) Undergraduate Research, and [PSY 499](#) Independent Study may be taken for degree credit, but only 3 credit hours from this group count toward major requirements.

400-level courses are open only to psychology majors. Students are advised to go to 283 Park Hall and to apply early for the major, preferably while enrolled in [PSY 250](#). Acceptance decisions can then be made contingent upon completion of [PSY 250](#), and registration in upper-level courses is facilitated.

Students who have completed 60 credit hours but have not completed the prerequisite courses or achieved the minimum GPA of 2.5 may be provisionally accepted by the department (283 Park Hall). Students who are accepted provisionally must achieve a minimum GPA of 2.5 in the prerequisites to be fully accepted into the department. Students who do not have a minimum GPA of 2.5 in the prerequisites must repeat appropriate prerequisite coursework. The second grade in the repeated course is honored by the department for the purpose of admission to the psychology major.

Prerequisite Courses

[PSY 101](#) Introductory Psychology
[ULC 148](#) Algebra and Trigonometry or equivalent* or higher
[PSY 207](#) Psychological Statistics
[PSY 250](#) Scientific Inquiry in Psychology

Required Courses

Seven additional PSY courses distributed as follows:
Four 300-level courses, one from each of the four substantive areas listed after the B.S. chart
Minimum of three courses at the 400 level

Summary

Total required credit hours for the major: 35

See [Baccalaureate Degree Requirements](#) for general education and remaining university requirements.

Recommended Sequence of Program Requirements

FIRST YEAR

Fall [PSY 101](#), [ULC 148](#)* or higher
Spring [PSY 207](#), one 300-level PSY course

SECOND YEAR

Fall [PSY 250](#), one 300-level PSY course
Spring One 300-level PSY course

THIRD YEAR

Fall One 300-level PSY course
Spring One 400-level PSY course

FOURTH YEAR

Fall One 400-level PSY course
Spring One 400-level PSY course

**Unless exempted by SAT score, Advanced Placement credits, or transfer credits*

Psychology - B.S.

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Acceptance Criteria

Minimum GPA of 2.0 overall.
Minimum GPA of 2.5 in prerequisite courses before full acceptance.

Advising Notes

A minimum GPA of 2.0 in psychology courses is required for graduation. Majors whose GPAs in psychology courses fall below 2.0 during any semester are automatically placed on probation. Majors whose GPAs remain below 2.0 in consecutive semesters are dismissed from the department.

[PSY 495](#) Undergraduate Supervised Teaching and [PSY 496](#) Supervised Applied Experience do not count toward the course requirements for majors.

[PSY 497](#) Honors, [PSY 498](#) Undergraduate Research, and [PSY 499](#) Independent Study may be taken for degree credit, but only 3 credit hours from this group count toward major requirements.

400-level courses are open only to psychology majors. Students are advised to go to 283 Park Hall and to apply early for the major, preferably while enrolled in [PSY 250](#). Acceptance decisions can then be made contingent upon completion of [PSY 250](#), and registration in upper-level courses is facilitated.

Prerequisite Courses

10 credit hours in psychology and 8 credit hours in mathematics:

[PSY 101](#) Introductory Psychology

[PSY 207](#) Psychological Statistics

[PSY 250](#) Scientific Inquiry in Psychology

One two-course mathematics sequence ([MTH 121-MTH 122](#) Survey of Calculus and Its Applications I-II or [MTH 141-MTH 142](#) College Calculus I-II)

Required Courses

[BIO 200](#) Evolutionary Biology

[CHE 101-CHE 102](#) General Chemistry or [CHE 105-CHE 106](#) Chemistry: Principles and Applications

Nine additional PSY courses, distributed as follows:

Four 300-level courses, one from each of the four substantive areas listed below

A minimum of five courses at the 400 or graduate level (500 level and above, taken with special permission as part of the undergraduate program), including [PSY 450](#) Advanced Research Methods in Psychology or another laboratory-based upper-level PSY course (from a department-approved list)

Two of the five 400 level courses must be from the Cognitive and Behavioral Neuroscience Courses, listed below

Summary

Total required credit hours for the major: 60

See [Baccalaureate Degree Requirements](#) for general education and remaining university requirements.

Recommended Sequence of Program Requirements

FIRST YEAR

Fall [CHE 101](#) or [CHE 105](#); [MTH 121](#) or [MTH 141](#)

Spring [CHE 102](#) or [CHE 106](#); [MTH 122](#) or [MTH 142](#)

SECOND YEAR

Fall [BIO 200](#), [PSY 101](#)

Spring [PSY 207](#), one 300 level PSY course

THIRD YEAR

Fall [PSY 250](#), two 300 level PSY courses

Spring [PSY 450](#), one 300 level PSY course, one 400 level PSY course

FOURTH YEAR

Fall Two 400 level PSY courses

Spring One 400 level PSY course

Electives and Course Groupings

Cognitive and Behavioral Neuroscience

[PSY 402](#) Psychopharmacology

[PSY 416](#) Reasoning and Problem Solving

[PSY 419](#) Biological Bases of Memory

[PSY 421](#) Systems and Theories of Psychology

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[PSY 426](#) Biological Bases of Mental Disorders
[PSY 428](#) Language Development
[PSY 429](#) Psychophysiology
[PSY 431](#) Mind-Body Connection in a Social World
[PSY 434](#) Animal Behavior
[PSY 435](#) Psychology of Reproduction
[PSY 436](#) Neuropsychology
[PSY 439](#) Biopsychology of Stress
[PSY 440](#) Hormones and Behavior
[PSY 443](#) Neurobiology of Communication in Animals
[PSY 445](#) Memory
[PSY 446](#) Animal Cognition
[PSY 447](#) Psychology of Music
[PSY 448](#) Psycholinguistics
[PSY 451](#) Drug Addiction
[PSY 457](#) Cognitive Development
[PSY 470-PSY 475](#) Senior Seminars (in Cognitive and Behavioral Neuroscience areas)
[PSY 485-PSY 490](#) Special Topics (in Cognitive and Behavioral Neuroscience areas)

SUBSTANTIVE AREA 1: CLINICAL

[PSY 321](#) Psychology of Personality
[PSY 322](#) Abnormal Psychology
[PSY 323](#) Community Psychology
[PSY 324](#) Clinical Psychology
[PSY 325](#) Health Psychology

SUBSTANTIVE AREA 2: SOCIAL

[PSY 331](#) Social Psychology
[PSY 332](#) Social Conflict and Its Resolution
[PSY 333](#) Psychology of Work in Organizations
[PSY 336](#) Developmental Psychology

SUBSTANTIVE AREA 3: COGNITIVE

[PSY 341](#) Cognitive Psychology
[PSY 342](#) Introduction to Cognitive Science: Concepts of the Mind
[PSY 343](#) Sensory Processes and Perception

SUBSTANTIVE AREA 4: BEHAVIORAL NEUROSCIENCE

[PSY 351](#) Biopsychology

PSY 101: Introductory Psychology

Credits: 3

Semester(s): Fall, Spring, Summer

Type: LEC

This course is a limited enrollment (impacted) course. Students who have previously attempted the course and received a grade other than W may not register for this course during the fall or spring semester.

General survey of perception; learning and memory; cognitive, developmental, personality, abnormal, and social psychology; and behavioral neuroscience. Requires participation in research or a short paper. This course is a controlled enrollment (impacted) course. Students who have previously attempted the course and received a grade other than W may repeat the course in the summer or only in the fall or spring semester with a petition to the College of Arts and Sciences Deans' Office.

PSY 207: Psychological Statistics

Credits: 4

Semester(s): Fall, Spring, Summer

Type: LEC/LAB

This course is a limited enrollment (impacted) course. Students who have previously attempted the course and received a grade other than W may not register for this course during the fall or spring semester.

Graphs; permutations; combinations; probability; regression; correlation; analysis of variance; descriptive and inferential statistics; parametric and nonparametric tests appropriate to psychological research. Three hours of lecture and one hour of recitation weekly. This course is a controlled enrollment (impacted) course. Students who have previously attempted the course and received a grade other than W may repeat the course in the summer or only in the fall or spring semester with a petition to the College of Arts and Sciences Deans' Office.

PSY 250: Scientific Inquiry in Psychology

Credits: 3

Psychology

Semester(s): Fall, Spring, Summer

Pre-requisites: [PSY 207](#) Or [STA 119](#)

Type: LEC

The research process; observational, correlational and survey, experimental techniques; nature of theory; hypothesis testing and empirical data; scientific knowledge and its applications.

PSY 321: Psychology of Personality

Credits: 3

Type: LEC

Theory, research, and measurement related to the description, development, and dynamics of the normal personality.

PSY 322: Abnormal Psychology

Credits: 3

Type: LEC

Theory and description of the major behavior disorders and the psychopathology of everyday life; causes and treatment of these disorders.

PSY 323: Community Psychology

Credits: 3

Type: LEC

Introduces theoretical concepts and developing practices in community psychology and community mental health. LEC

PSY 324: Clinical Psychology

Credits: 3

Pre-requisites: [PSY 101](#)

Type: LEC

Introduces clinical psychology. Methods of assessing abnormal behavior, modes of intervention, theories of treatment, and ethical issues.

PSY 325: Health Psychology

Credits: 3

Type: LEC

Introduces the scientific study of the behavioral and social aspects of health.

PSY 331: Social Psychology

Credits: 3

Type: LEC

Behavior of individuals and their relations with others; aggression; attraction; attitude formation and change; conformity; obedience; helping; stereotypes; group processes.

PSY 332: Social Conflict and Its Resolution

Credits: 3

Type: LEC

Overview of social conflict theory and of conflict resolution practice. Topics include the nature and cause of conflict, strategic choice in conflict, escalation, negotiation, and third-party intervention. Emphasizes psychological approaches, but is not limited to them.

PSY 333: Psychology of Work in Organizations

Credits: 3

Type: LEC

Theory, research, and practices of organizational psychologists; behavior of individuals within organizations; principles of industrial psychology.

PSY 336: Developmental Psychology

Credits: 3

Type: LEC

Major developmental changes in areas of human behavior, cognition, personality, and social life from the perspective of current theories about development.

PSY 341: Cognitive Psychology

Credits: 3

Type: LEC

Information-processing approach to human behavior; how people interpret and understand the environment; recognition; memory; language.

PSY 342: Introduction to Cognitive Science: Concepts of the Mind

Credits: 3

Type: LEC

An interdisciplinary approach to the understanding of knowledge and mind, guided by principles of formal systems and computation. Concepts and approaches from psychology, philosophy, artificial intelligence, linguistics, and neuroscience.

PSY 343: Sensory Processes and Perception

Credits: 3

Type: LEC

Surveys experimental data and theories of perception. Perceptual organization and neurophysiology of brain systems, and neural and computational representations involved in vision, hearing, and cutaneous and chemical senses.

PSY 351: Biopsychology

Credits: 3

Semester(s): Fall, Spring, Summer

Type: LEC

Physiological studies, mainly on the nervous system, relevant to

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selected theoretical issues in perception, learning, motivation, and problem solving.

PSY 402: Psychopharmacology

Credits: 3
Type: LEC

Basic brain chemistry and its influence on behavior. Distribution and elimination of drugs, drug-receptor interactions, and the neuroanatomical distribution of specific neurotransmitter systems. Special topics in biological psychiatry.

PSY 404: Alcohol and Health

Credits: 3
Type: LEC

The relationship between alcohol use and psychological, social, and physical well-being. Conceptualizes problem drinking within a social psychological paradigm; implications of different conceptions for the prevention and treatment of alcohol problems.

PSY 405: Data Analysis Techniques

Credits: 3
Type: LEC

Instruction and hands-on experience employing SPSS statistical package on desktop computers. Includes nonparametric statistics, T-tests, ANOVA (including factorial and repeated measures designs), and introduces correlation, regression, and factor analysis. Emphasizes appropriate choice among statistical methods.

PSY 407: Consciousness and the Self

Credits: 3
Type: SEM

Examines how the unconscious mind works, how much of the self resides in the unconscious, and how the unconscious can and can not be accessed. Class is broken up into a number of different activities; each is designed to develop different skills while learning about consciousness and the self.

PSY 408: Small-Group Processes

Credits: 3
Type: LEC

Reviews research on small-group dynamics, with attention to applying these concepts to improve groups in organizations.

PSY 409: Organizational Development and Change

Credits: 3
Type: LEC

Studies methods of working with organizations to improve their effectiveness. Involves individual, group, and organizational-level change processes.

PSY 410: Existential Psychology

Credits: 3
Type: LEC

Existential thinking pervades our concepts of personality, motivation, learning, cognition, and more. In addition, this course explores how our views of human relationships influence our satisfaction in love, therapy, and family.

PSY 411: Self and Self-Esteem

Credits: 3
Type: LEC

Social psychological theory and research on the self. How the self-concept and self-esteem develop; consequences of self-views on affect, cognition, and behavior.

PSY 412: Psychology of Aggression and Violence

Credits: 3
Type: LEC

Theory and data about the causes and control of human violence and aggression.

PSY 413: Social Cognition

Credits: 3
Type: LEC

Overview of recent theory and research in social cognition, including attribution theory, schema, social memory, stereotyping, and heuristics.

PSY 414: Assessment of Individual Differences

Credits: 3
Type: LEC

Personality differences and intellectual functioning; IQ tests; projective tests; behavioral assessments.

PSY 415: Psychology and Law

Credits: 3
Type: LEC

Examines legal issues related to selected social problems in light of psychological theory, research, and clinical experience.

PSY 416: Reasoning and Problem Solving

Credits: 3
Type: LEC

Discusses some principles of rational thought and some of the psychological processes that lead to successful and unsuccessful resolution of problems and other conceptual tasks. Explores how age and experience affect these processes.

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PSY 417: Psychology of Identity

Credits: 3
Type: LEC

Conceptions of identity or self as they appear in current psychological literature; how people develop and maintain a view of self and the self-referent nature of their world.

PSY 418: Behavior Modification and Behavioral Medicine

Credits: 3
Type: LEC

Introduces current knowledge in behavior modification and behavioral medicine; critical examinations of the limitations, as well as the assets, of particular methods; ethical issues raised by work in this area.

PSY 419: Biological Bases of Memory

Credits: 3
Type: LEC

Surveys recent research in the neurosciences concerning the processes involved in long-term registration of information in the central nervous system. These processes range from the level of single synapses to complex brain systems.

PSY 420: Close Relationships

Credits: 3
Type: LEC

Focuses on current research and theory concerning close relationships. Topics to be covered will include attachment, attraction, love, interdependence, communication, relationship conflict, social support, and health.

PSY 421: Systems and Theories of Psychology

Credits: 3
Type: LEC

Historical antecedents and the evolution of contemporary theoretical approaches and concepts of psychology.

PSY 422: Anxiety Disorders

Credits: 3
Type: LEC

In-depth analysis of the symptoms, etiology, and treatment of the major anxiety disorders from the perspective of both the practicing clinician and the research scientist.

PSY 423: Mood Disorders

Credits: 3
Type: LEC

Contemporary ideas and research on mood disorders, including their classification, epidemiology, etiology, and treatment.

PSY 424: Abnormal Child Psychology

Credits: 3
Pre-requisites: [PSY 322](#)
Type: LEC

Description, diagnosis, causes, and treatment of childhood disorders, including ADHD, aggression, depression, anxiety, autism, and others.

PSY 425: Psychology of Human Sexuality

Credits: 3
Type: LEC

Why and how we behave sexually; biological origins, and psychological and social determinants; private and public morality; absolute versus relative standards; hormones; psychosexual development; variations and deviations in sexual behavior.

PSY 426: Biological Bases of Mental Disorders

Credits: 3
Type: LEC

Biological factors in mental disorders; for example, in schizophrenia, anxiety disorders, depression, and obsessive-compulsive disorders.

PSY 427: Adult Development and Aging

Credits: 3
Type: LEC

Developmental theory, methods, and empirical evidence needed to describe and understand the psychological changes that take place in adulthood and old age.

PSY 428: Language Development

Credits: 3
Type: LEC

Starting with a consideration of the infant's basic perceptual capacities, examines the role of innate and experiential factors in developing the capacity to speak and understand language.

PSY 429: Psychophysiology

Credits: 3
Type: LEC

Basic physiological processes; physiological aspects of behavior, emotions, and cognition; psychophysiological methods.

PSY 431: Mind-Body Connection in a Social World

Credits: 3
Type: LEC

The connection between mind and body from a social psychological

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perspective; effects on various physiological systems; using body responses to understand psychological process.

PSY 432: Psychology and Environmental Hazards

Credits: 3
Type: LEC

Psychological approaches to understanding the effects of environmental hazards, including background in epidemiology, cancer, clinical psychological assessment, and case studies.

PSY 434: Animal Behavior

Credits: 3
Type: LEC

Analyses instinctive and learned behavior in characteristic animal types, correlating structure and function, fundamental principles of adaptation.

PSY 435: Psychology of Reproduction

Credits: 3
Type: LEC

Research on brain and hormone involvement in the control of behaviors relevant to all phases of reproduction (parental behavior and sex); infrahuman and human systems.

PSY 436: Neuropsychology

Credits: 3
Type: LEC

Reviews and, wherever possible, synthesizes research studies carried out mainly on humans that increase our understanding of how the brain works.

PSY 437: Cross-Cultural Psychology

Credits: 3
Type: LEC

Examines the difference in concepts of the self, interpersonal processes, and group processes across cultures.

PSY 438: Sport and Exercise Psychology

Credits: 3
Type: LEC

Topics include the nature of sport psychology, personality and sport, motivational orientations in sport, self-referent thought in sport and physical activity, the arousal-athletic performance relationship, gender and sport behavior, and group dynamics.

PSY 439: Biopsychology of Stress

Credits: 3
Type: LEC

Stress and the body's various reactions to it.

PSY 440: Hormones and Behavior

Credits: 3
Type: LEC

Familiarizes students with the structure, function, and principles of the endocrine/neuroendocrine system and how this system helps to initiate and regulate behavior (e.g. stress, reproduction, cyclicality in behavior, ingestion, and aggression).

PSY 443: The Neurobiology of Communication in Animals

Credits: 3
Semester(s): Spring
Type: LEC

Focuses on the evolution, function, design, and diversity of animal communication systems such as song and visual signaling in birds, calls and echolocation in dolphins, echolocation and olfactory signaling in bats, olfactory signaling in insects, and electrical signaling in fish.

PSY 445: Memory

Credits: 3
Type: LEC

How knowledge is represented, stored, and retrieved by humans; attention; language comprehension; nature and causes of forgetting.

PSY 446: Animal Cognition

Credits: 3
Type: LEC

Focuses on animal minds, including perception, attention, representation, concept and rule learning, judgments of time and number, tool use, communication, self-awareness, and awareness of the other.

PSY 447: Psychology of Music

Credits: 3
Type: LEC

How we perceive, remember, and respond to music. Representation of musical knowledge, emotional and aesthetic response to music, listening styles of novices and experts, music's role in human culture.

PSY 448: Psycholinguistics

Credits: 3
Type: LEC

What individuals know when they know a natural language; how that language is acquired; what the facts of language tell us of the structure of the mind.

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PSY 449: Motivational Theory

Credits: 3
Type: LEC

Development of ideas concerning the problem of motivation; important experiments in the development of these ideas; current theories of motivation; data relevant to an examination of these theories.

PSY 450: Advanced Research Methods in Psychology

Credits: 3
Type: LEC

Development and application of skills needed to conduct and evaluate research. Strongly recommended for students who plan to attend graduate school.

PSY 451: Drug Addiction

Credits: 3
Pre-requisites: [PSY 351](#)
Type: LEC

The scientific study of drug addiction, emphasizing biological and psychological theories.

PSY 452: Psychology of Prejudice

Credits: 3
Type: LEC

Psychological aspects of historical and contemporary race and gender relations in the United States. Topics include stereotyping, prejudice, discrimination, conflict, and cooperation.

PSY 455: Applied Behavior Analysis With Children 1

Credits: 3
Type: SEM

PSY 456: Applied Behavior Analysis With Children 2

Credits: 3
Type: SEM

[PSY 455](#) and [PSY 456](#) offer students the opportunity to 1) learn about current assessment and treatment methodologies for school-age children with disruptive behavior problems and 2) apply this knowledge in hands-on interactions with children within actual school settings. Topics covered include an overview of disruptive behavior disorders found in school-age children, functional behavioral assessment tools used with children, and empirically supported treatments for children with disruptive behavior problems.

PSY 457: Cognitive Development

Credits: 3
Type: LEC

The growth of cognitive functioning from infancy to adolescence. Considers the major theoretical approaches that are taken in studying cognitive development.

PSY 458: Adolescent Development

Credits: 3
Type: LEC

Emphasizes how growth and development during the adolescent period are influenced by contemporary culture. Three major themes of adolescent development (self, stress, and love) are examined, and the course considers various psychological, biological, and sociological theories which attempt to explain changes associated with these themes.

PSY 461: Senior Seminar

Credits: 3
Type: SEM

The content of this course is variable and therefore it is repeatable for credit. The [University Grade Repeat Policy](#) does not apply.

Topical seminars and laboratory courses.

PSY 464: Senior Seminar

Credits: 3
Type: SEM

The content of this course is variable and therefore it is repeatable for credit. The [University Grade Repeat Policy](#) does not apply.

Topical seminars and laboratory courses.

PSY 465: Senior Seminar

Credits: 3
Type: SEM

The content of this course is variable and therefore it is repeatable for credit. The [University Grade Repeat Policy](#) does not apply.

Topical seminars and laboratory courses.

PSY 466: Senior Seminar

Credits: 3
Type: SEM

The content of this course is variable and therefore it is repeatable for credit. The [University Grade Repeat Policy](#) does not apply.

Topical seminars and laboratory courses.

PSY 467: Senior Seminar

Credits: 3
Type: SEM

The content of this course is variable and therefore it is repeatable for credit. The [University Grade Repeat Policy](#) does not apply.

Topical seminars and laboratory courses.

PSY 468: Senior Seminar

Psychology

Credits: 3
Type: SEM

The content of this course is variable and therefore it is repeatable for credit. The [University Grade Repeat Policy](#) does not apply.

Topical seminars and laboratory courses.

PSY 469: Senior Seminar

Credits: 3
Type: SEM

The content of this course is variable and therefore it is repeatable for credit. The [University Grade Repeat Policy](#) does not apply.

Topical seminars and laboratory courses.

PSY 470: Senior Seminar

Credits: 3
Type: SEM

The content of this course is variable and therefore it is repeatable for credit. The [University Grade Repeat Policy](#) does not apply.

Topical seminars and laboratory courses. [PSY 470-PSY 475](#) are part of the Cognitive and Behavioral neurosciences courses.

PSY 471: Senior Seminar

Credits: 3
Type: SEM

The content of this course is variable and therefore it is repeatable for credit. The [University Grade Repeat Policy](#) does not apply.

Topical seminars and laboratory courses. [PSY 470-PSY 475](#) are part of the Cognitive and Behavioral neurosciences courses.

PSY 473: Senior Seminar

Credits: 3
Type: SEM

The content of this course is variable and therefore it is repeatable for credit. The [University Grade Repeat Policy](#) does not apply.

Topical seminars and laboratory courses. [PSY 470-PSY 475](#) are part of the Cognitive and Behavioral neurosciences courses.

PSY 474: Senior Seminar

Credits: 3
Type: SEM

The content of this course is variable and therefore it is repeatable for credit. The [University Grade Repeat Policy](#) does not apply.

Topical seminars and laboratory courses. [PSY 470-PSY 475](#) are part of the Cognitive and Behavioral neurosciences courses.

PSY 475: Senior Seminar

Credits: 3
Type: SEM

The content of this course is variable and therefore it is repeatable for credit. The [University Grade Repeat Policy](#) does not apply.

Topical seminars and laboratory courses. [PSY 470-PSY 475](#) are part of the Cognitive and Behavioral neurosciences courses.

PSY 476: Special Topics

Credits: 3
Type: LEC

The content of this course is variable and therefore it is repeatable for credit. The [University Grade Repeat Policy](#) does not apply.

Current theories, research, and controversies in the major subareas of psychology. Specific topics and content change each semester.

PSY 477: Special Topics

Credits: 3
Type: LEC

The content of this course is variable and therefore it is repeatable for credit. The [University Grade Repeat Policy](#) does not apply.

Current theories, research, and controversies in the major subareas of psychology. Specific topics and content change each semester.

PSY 478: Special Topics

Credits: 3
Type: LEC

The content of this course is variable and therefore it is repeatable for credit. The [University Grade Repeat Policy](#) does not apply.

Current theories, research, and controversies in the major subareas of psychology. Specific topics and content change each semester.

PSY 479: Special Topics

Credits: 3
Type: LEC

The content of this course is variable and therefore it is repeatable for credit. The [University Grade Repeat Policy](#) does not apply.

Current theories, research, and controversies in the major subareas of psychology. Specific topics and content change each semester.

PSY 480: Special Topics

Credits: 3
Type: LEC

The content of this course is variable and therefore it is repeatable for credit. The [University Grade Repeat Policy](#) does not apply.

Current theories, research, and controversies in the major subareas of psychology. Specific topics and content change each semester.

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PSY 481: Special Topics

Credits: 3
Type: LEC

The content of this course is variable and therefore it is repeatable for credit. The [University Grade Repeat Policy](#) does not apply.

Current theories, research, and controversies in the major subareas of psychology. Specific topics and content change each semester.

PSY 482: Special Topics

Credits: 3
Type: LEC

The content of this course is variable and therefore it is repeatable for credit. The [University Grade Repeat Policy](#) does not apply.

Current theories, research, and controversies in the major subareas of psychology. Specific topics and content change each semester.

PSY 483: Special Topics

Credits: 3
Type: LEC

The content of this course is variable and therefore it is repeatable for credit. The [University Grade Repeat Policy](#) does not apply.

Current theories, research, and controversies in the major subareas of psychology. Specific topics and content change each semester.

PSY 484: Special Topics

Credits: 3
Type: LEC

The content of this course is variable and therefore it is repeatable for credit. The [University Grade Repeat Policy](#) does not apply.

Current theories, research, and controversies in the major subareas of psychology. Specific topics and content change each semester.

PSY 485: Special Topics

Credits: 3
Type: LEC

The content of this course is variable and therefore it is repeatable for credit. The [University Grade Repeat Policy](#) does not apply.

Current theories, research, and controversies in the major subareas of psychology. [PSY 485-PSY 490](#) are part of the Cognitive and Behavioral neurosciences courses. Specific topics and content change each semester.

PSY 486: Special Topics

Credits: 3
Type: LEC

The content of this course is variable and therefore it is repeatable for credit. The [University Grade Repeat Policy](#) does not apply.

Current theories, research, and controversies in the major subareas of psychology. [PSY 485-PSY 490](#) are part of the Cognitive and Behavioral neurosciences courses. Specific topics and content change each semester.

PSY 487: Special Topics

Credits: 3
Type: LEC

The content of this course is variable and therefore it is repeatable for credit. The [University Grade Repeat Policy](#) does not apply.

Current theories, research, and controversies in the major subareas of psychology. [PSY 485-PSY 490](#) are part of the Cognitive and Behavioral neurosciences courses. Specific topics and content change each semester.

PSY 488: Special Topics

Credits: 3
Type: LEC

The content of this course is variable and therefore it is repeatable for credit. The [University Grade Repeat Policy](#) does not apply.

Current theories, research, and controversies in the major subareas of psychology. [PSY 485-PSY 490](#) are part of the Cognitive and Behavioral neurosciences courses. Specific topics and content change each semester.

PSY 489: Special Topics

Credits: 3
Type: LEC

The content of this course is variable and therefore it is repeatable for credit. The [University Grade Repeat Policy](#) does not apply.

Current theories, research, and controversies in the major subareas of psychology. [PSY 485-PSY 490](#) are part of the Cognitive and Behavioral neurosciences courses. Specific topics and content change each semester.

PSY 490: Special Topics

Credits: 3
Type: LEC

The content of this course is variable and therefore it is repeatable for credit. The [University Grade Repeat Policy](#) does not apply.

Current theories, research, and controversies in the major subareas of psychology. [PSY 485-PSY 490](#) are part of the Cognitive and Behavioral neurosciences courses. Specific topics and content change each semester.

PSY 495: Undergraduate Supervised Teaching

Credits: 1-8
Type: TUT

Undergraduate teaching assistant (UTA) positions are available for

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certain psychology courses to those students who have completed the course or its equivalent with a grade of A, have achieved junior status, and have a minimum GPA of 3.0 overall. Students must apply for UTA positions with the appropriate instructor. Credit does not count toward the major. Graded P/F.

PSY 496: Supervised Applied Experience

Credits: 1-8

Type: TUT

The content of this course is variable and therefore it is repeatable for credit. The [University Grade Repeat Policy](#) does not apply.

A program of applied work in a community, government, or private agency or organization related to the major in psychology. Must be agreed upon by the student and a faculty sponsor in the department. Credit does not count toward the major. Graded P/F.

PSY 497: Honors

Credits: 1-8

Type: SEM

Independent research for two semesters with a faculty member. Apply in junior year.

PSY 498: Undergraduate Research

Credits: 1-8

Type: TUT

The content of this course is variable and therefore it is repeatable for credit. The [University Grade Repeat Policy](#) does not apply.

A program of supervised research to be agreed upon by the student and a faculty sponsor in the department, including procedures for evaluating student performance.. Student receives a letter grade.

PSY 499: Independent Study

Credits: 1-8

Type: TUT

The content of this course is variable and therefore it is repeatable for credit. The [University Grade Repeat Policy](#) does not apply.

A program of scholarship to be agreed upon by the student and a faculty sponsor in the department, including procedures for evaluating student performance. Student receives a letter grade.