

# Psychology

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The Department of Psychology offers the B.A. and M.A. degrees in psychology. Psychology is an exciting and interesting scientific field that concerns why people think and behave the way they do. It is a tremendously varied field and a discipline with a bright and promising future. Though relatively young, psychology is an expansive discipline that incorporates topics from other disciplines such as biology, business, engineering, and education. Studying psychology requires students to solve problems, reason verbally and quantitatively, organize material, think critically, communicate clearly, and work effectively with others. At UAH, the psychology department is small and very student-centered. Students may take courses in clinical, experimental, social, developmental, cognitive, perceptual, biological, personality, industrial, and counseling psychology. In particular, students are required to gain an appreciation of the methods and tools used by psychologists to perform research. Our capstone course in supervised research allows majors to demonstrate those skills working with individual faculty members.

The department of Psychology offers the following degree programs:

- Psychology, BA (<http://catalog.uah.edu/undergrad/colleges-departments/arts-humanities-social-sciences/psychology/psychology-ba>)

## Mission

The focus of the Department of Psychology is threefold:

- teaching
- scholarship
- service

Consequently, the mission of the department centers upon development of students, development of faculty and scholarly activities, and service to scholarly and professional societies as well as to appropriate communities including those within UAH.

The Department of Psychology supports the Mission of the College of Liberal Arts in a variety of ways. We provide close interactions between teachers and learners in our seminar courses, as well as in our research courses and internship opportunities. The Department of Psychology encourages personal and professional growth in its promotion of students' career exploration, knowledge acquisition, skill development (i.e., critical thinking, technical writing, oral communication, and statistical analyses), and valuation of diversity.

## Social Science Composite for Secondary Education Majors

Students planning to teach psychology in secondary schools will need to complete the Social Science Composite which includes courses in history, psychology, sociology, political science, and economics. The psychology courses included in this composite are PY 101, PY 102, and PY 375. Students seeking certification in secondary education should contact the Education Department for specific requirements.

## Major in Psychology

- Psychology, BA (<http://catalog.uah.edu/undergrad/colleges-departments/arts-humanities-social-sciences/psychology/psychology-ba>)

## Minor in Psychology

- Psychology (<http://catalog.uah.edu/undergrad/colleges-departments/arts-humanities-social-sciences/psychology/psychology-minor>)

PY 101 - GENERAL PSYCHOLOGY I

Semester Hours: 3

Introduction to methods and research findings in the field. Topics include learning, memory, cognition, human development, personality theories, and abnormal behavior. Credit for PY 101 may be obtained by either Advanced Placement (AP) or the College Level Examination Program (CLEP).

PY 102 - APPLICATIONS IN PSYCHOLOGY

Semester Hours: 3

Introduction to applied topics in psychology, such as statistical analysis, counseling, human factors, health psychology, and industrial and organizational psychology. Career opportunities are discussed. Students are required to engage in approved experiential activities such as participating in current research studies and attending lectures. Prerequisite: PY 101.

PY 201 - LIFE-SPAN DEVELOPMENT

Semester Hours: 3

Examination of the psychological, social, and physical factors that affect human behavior and development from conception to death. Prerequisite: PY 101.

PY 300 - PSYCHOLOGICAL STATISTICS

Semester Hours: 3

Introduction to psychological statistics, with an emphasis on quantitative analysis of experimental data. Topics covered include probability, descriptive statistics, and hypothesis testing. Prerequisite: MA 107 or MA 110 or MA 112 or MA 113 or MA 115 or MA 120 or MA 171. Corequisite: PY 300L.

PY 300L - PSYCHOLOGICAL STATISTICS LAB

Semester Hour: 1

This course is an introduction to analyzing data with computerized statistical software. This course will provide students with a familiarity of SPSS, and the abilities to analyze experimental data, read computer statistical output, and write-up statistical results. Corequisite: PY 300.

PY 301 - PERSONALITY

Semester Hours: 3

Examinations of various theories of personality with possible implications for research. Prerequisite: PY 102.

PY 302 - EXPERIMENTAL PSYCHOLOGY

Semester Hours: 4

Design and execution of experiments in psychology. Data analysis and manuscript preparation. Prerequisite: PY 102 and PY 300 and PY 300L OR AHS 300.

PY 303 - PSYCHOMETRICS

Semester Hours: 3

PY 310 - CHILD PSYCHOLOGY

Semester Hours: 3

PY 314 - LEARNING

Semester Hours: 3

Analysis of learning principles from simple relationships with animals to the complexities of human language and problem solving. Prerequisite: PY 102.

PY 315 - DEVELOPMENTAL PSYCHOLOGY

Semester Hours: 3

Examines sensory systems and elements of perception. Topics include vision research, audition, chemical senses, and body sensations. Prerequisite: PY 102.

PY 316 - PERCEPTION

Semester Hours: 3

Examines sensory systems and elements of perception. Topics include vision research, audition, chemical senses, and body sensations. Prerequisite: PY 102.

PY 317 - PHILOSOPHY OF MIND

Semester Hours: 3

The problem of the nature of mind and its relationship to the physical world has been a perennial concern of philosophy. This course examines, theories, and arguments concerning the nature of mind. Prerequisite: PY 102.

PY 324 - WORK DESIGN

Semester Hours: 3

Introduces the portion of the design process that uses basic principles of methods analysis and ergonomics to fit a task to the human operator. Methods analysis topics include: work measurement, job analysis, and job evaluation. Prerequisite: PY 300 or ISE 390.

PY 330 - NONVERBAL COMMUNICATION

Semester Hours: 3

Examines the diversity of human nonverbal behavior and its influences on everyday communication experiences. Same as CM 330. Prerequisite: PY 101.

**PY 375 - SOCIAL PSYCHOLOGY**

Semester Hours: 3

Examination of the social influences on both individual and group behavior. Topics may include attitudes, group processes, intergroup conflict, interpersonal attraction, aggression, altruism, and impression formation. Prerequisite: PY 101 or SOC 100.

**PY 380 - COGNITION**

Semester Hours: 3

Information processing: how information is acquired, encoded, organized, stored, and retrieved. This process will be applied to specific areas of psychology such as language, learning, or personality. Prerequisite: PY 102.

**PY 399 - PROFESSIONAL DEV FOR PSY MAJOR**

Semester Hour: 1

Development of skills related to graduate work and to occupations in psychology. Career and internship exploration, resume and graduate school exploration. Exposure to work and research related topics, such as teamwork and ethics. Prerequisite: PY 102.

**PY 402 - INDUSTRIAL & ORGANIZA PSY**

Semester Hours: 3

Application of basic principles of learning, motivation, and perception to typical industrial and organizational problems. Open to students who have completed 15 hours of psychology. Prerequisite: PY 102.

**PY 403 - HUMAN FACTORS PSYCHOLOGY**

Semester Hours: 3

Human performance in human-technology-environment systems. Includes consideration of human capabilities and limitations as related to controls and displays. Open to students who have completed 15 hours of psychology. Prerequisite: PY 102.

**PY 405 - PSYCHOPHARMACOLOGY**

Semester Hours: 3

Introduction to drug classification and action with emphasis on physiological psychological interactions. Open to students who have completed 15 hours of psychology. Prerequisite: PY 102.

**PY 406 - PSYCHOLOGY OF WOMEN**

Semester Hours: 3

Examines theory and research in the psychological functioning of women, both in the United States and other nations. Topics include achievement and education, mental and physical health issues, and victimization of women. Open to students who have completed 15 hours of psychology. Senior Standing Prerequisite: PY 102.

**PY 407 - CROSS-CULTURAL PSYCHOLOGY**

Semester Hours: 3

Examines psychological similarities and differences between members of industrialized and non-industrialized cultures. Comparisons will include development, social interaction, and perception. Open to students who have completed 15 hours of psychology. Senior Standing. Prerequisite: PY 102.

**PY 408 - TEAMWORK & TEAM PROCESSES**

Semester Hours: 3

This course provides an introduction to teams and teamwork processes. The foundation of the course is research-based; topics will be approached from the context of empirical research. The types of research designs that are typically used in team research are addressed. Junior Standing.

**PY 420 - SPECIAL TOPICS**

Semester Hours: 3

Pre-announced special areas in seminar discussion, laboratory work, or practicum. May be taken twice for credit. Open to students who have completed 15 hours of psychology. Prerequisite: PY 102.

**PY 422 - INDIVIDUAL RESEARCH**

Semester Hours: 3

With advice of instructor, design and execution of original experiment in psychology. May be taken twice for credit. Open to students who have completed 15 hours of psychology. Prerequisite: PY 102.

**PY 426 - HISTORY & SYSTEMS IN PSY**

Semester Hours: 3

Survey of psychological theory and experimentation regarding human behavior and mental processes from ancient times to the present. Open to students who have completed 15 hours of psychology. Prerequisite: PY 102.

PY 433 - ABNORMAL PSYCHOLOGY

Semester Hours: 3

Survey of major psychological approaches to conceptualizing abnormal behavior, with discussion of present diagnostic categories of psychological disorders. Open to students who have completed 15 hours of psychology. Prerequisite: PY 102.

PY 434 - PSYCHOLOGY AND LAW

Semester Hours: 3

This seminar is a survey of the major topics represented in the field of Psychology and Law. We will focus on how psychological research can contribute to a better understanding of issues related to law. Open to students who have completed 15 hours of psychology. Prerequisite: PY 302.

PY 436 - BIOLOGICAL PSYCHOLOGY

Semester Hours: 3

Neural and endocrinological systems underlying behavior. Open to students who have completed 15 hours of psychology. Prerequisites: (either a or b): (a) 15 hrs of PY or approval of instructor; (b) BYS 119 and BYS 120 and 6 hours of PY or approval of instructor. Same as BYS 436.

PY 437 - PSYCHOBIOLOGY STRESS & ILLNESS

Semester Hours: 3

Overview of physiological stress responses and their influence on health behavior and illness. Open to students who have completed 15 hours of psychology. Prerequisite: PY 102.

PY 490 - READINGS IN PSYCHOLOGY

Semester Hours: 3

Supervised in-depth readings in area of particular interest to student. May be taken twice for credit. Open to students who have completed 15 hours of psychology. Prerequisite: PY 102.

PY 491 - SPECIAL TOPICS IN PSYCHO

Semester Hour: 1

Pre-announced special areas in seminar discussion, laboratory work, or practicum. May be taken twice for credit. Open to students who have completed 15 hours of psychology. Prerequisite: PY 102.

PY 492 - SPECIAL TOPICS IN PSYCHO

Semester Hours: 2

Pre-announced special areas in seminar discussion, laboratory work, or practicum. May be taken twice for credit. Open to students who have completed 15 hours of psychology. Prerequisite: PY 102.

PY 498 - HUMAN RESEARCH I

Semester Hours: 3

Capstone course for the PY major. Human behavior observation and/or experimentation. Students engage in data collection and analysis, and report their findings. Offered Fall Semester only. Prerequisite: PY 302.

PY 499 - HUMAN RESEARCH II

Semester Hours: 3

Continuation of PY 498. Open to students who have completed 15 hours of psychology. Prerequisite: PY 498 and approval of instructor. Offered Spring Semester only.