

COURSES FOR PSYCHOLOGY

Psychology Courses

PY101 Intro To Psychology

SB

Hours 3

Basic principles of psychology.

Social and Behavioral Sciences

PY105 Honors Intro Psychology

SB, UH

Hours 3

Honors section of PY 101.

Social and Behavioral Sciences, University Honors

PY211 Elem Statistical Methods

Hours 3

Methods are presented that enable students to make inferences about a population from a knowledge of small samples. Offered each semester and in the summer session.

Prerequisite(s): MATH 100 or MATH 110 or MATH 112 or MATH 115 or MATH 121 or MATH 125 or MATH 126 or MATH 145 or MATH 146 and PY 101 or PY 105

PY313 Sensation and Perception

Hours 3

Physiological and psychophysical aspects of the senses.

Prerequisite(s): PY 101 or PY 105

PY321 Professional Issues Proseminar in Psychology

Hours 1

Course orients psychology majors to career opportunities for psychology majors terminating with a BA or BS, as well as those students moving on to post-graduate work.

Prerequisite(s): PY 101 or PY 105

PY352 Developmental Psych

Hours 3

Physical, intellectual, emotional, and social development throughout the life span.

Prerequisite(s): PY 101 or PY 105

PY353 Biological Basis of Psychological Disorders

Hours 3

There is increasing evidence that biological factors either increase risk for or directly cause many psychological disorders. This lecture-based course focuses on understanding biological research on psychological disorders, including research on biological risk factors, biological factors associated with the presence of disorders, and the biological effects of various forms of treatment (e.g., therapy and medication). We will take an interdisciplinary approach, reviewing research from neuroscience, psychopharmacology, biochemistry, genetics, epigenetics, endocrinology, and physiology to understand the biological bases of the development of and treatments for psychological disorders. The course will include an introduction to a variety of biological research methods. The course will include brief introductions to the major psychological disorders listed in DSM-V, but will primarily focus on providing an understanding of the biological basis of these disorders. The course will also include discussions about controversial and ethical issues related to biological research on psychological disorders.

Prerequisite(s): PY101 or PY105 is required, or upon instructor permission

PY355 General Experimental Psychology

Hours 3

Scientific methods applied to the problems of psychology.

Prerequisite(s): PY211 (grade of C- or higher required) AND 9 hours of Psychology coursework.

Prerequisite(s) with concurrency: PY 356

PY356 Research Laboratory

Hours 2

Application of experimental and statistical techniques in a laboratory setting.

Prerequisite(s): PY211 (grade of C- or higher required) AND 9 hours of Psychology coursework.

Prerequisite(s) with concurrency: PY 355

PY357 Advanced Statistical Methods: Regression

Hours 3

Regression models are ubiquitous in both social and psychological sciences. Understanding the fundamentals of these models is critical to a solid career in science. The purpose of this course is to provide students with in-depth knowledge of regression analysis, such as linear regression, model selection, and logistic regression, including topics such as generalized linear models and parameter estimation.

Prerequisite(s): PY 101 PY 211

PY358 Abnormal Psychology

Hours 3

Etiology, symptomatology, and treatment of the major mental behavioral disorders.

Prerequisite(s): PY 101 or PY 105

PY361 Psychology Of Learning

Hours 3

Theoretical and applied implications of principal findings in learning, memory, and cognition.

Prerequisite(s): PY 101 or PY 105

PY365 Psychology Of Aging

Hours 3

The intellectual, social, cognitive, and physical development in adulthood with special emphasis on late adulthood.

Prerequisite(s): PY 101 or PY 105

PY368 Intro To Personality

Hours 3

A study of theories that represent the psychoanalytic, neopschoanalytic, trait, life span, humanistic, cognitive, behavioral and social-learning approaches to understanding human behavior. Clinical and experimental data are used to evaluate representative personality theories.

Prerequisite(s): PY 101 or PY 105

PY370 History & Systems in Psychology

Hours 3

A detailed presentation of the systematic points of view in Psychology with a consideration of their historical origins and significance for modern thought.

Prerequisite(s): PY 101 or PY 105

PY371 Psychology Of Gender

Hours 3

Review of the contribution of psychological theories and research to the understanding of sex differences in general and to women's roles in particular.

Prerequisite(s): PY 101 or PY 105

PY372 Social Psychology

Hours 3

Major aspects of social psychology, including aggression, altruism, attitude change, interpersonal relations, prejudice, leadership, and group dynamics.

Prerequisite(s): PY 101 or PY 105

PY375 Special Topics In Psychology

Hours 3

Courses devoted to topics not currently covered in the Psychology curriculum will be offered under this title.

Prerequisite(s): PY 101 or PY 105

PY376 Behavioral Medicine

Hours 3

This course explores the theories, research, and practice of behavioral medicine, particularly as it relates to integration of behavioral health into primary medical care. Students will examine the roles of psychology and other behavioral health professions in research and practice within healthcare. Theories of practice in the field of behavioral health will be covered. Students will develop competence in the connection between behaviors and health.

PY377 Psych Law And Justice

Hours 3

Psychological interpretations of criminality, treatment of offenders, and the roles of psychologists and psychological issues in the justice system.

Prerequisite(s): PY 101 or PY 105

PY378 Junior Honors Seminar

UH

Hours 1

The course is the first semester of a four-semester honors sequence. Exposure to research methods and opportunities for research within the Department of Psychology.

Prerequisite(s): PY 355

Prerequisite(s) with concurrency: PY 355

University Honors

PY379 Junior Honors Seminar

UH, W

Hours 3

The course is the second semester of a four-semester honors sequence. Preparation of a research proposal and approval of thesis committee is required. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): PY 378

University Honors, Writing

PY380 Practicum in Community-based Psychology

Hours 3

This course combines specialized coursework with hands-on mentoring of middle and high school youth. It explores the development of civic engagement in youth and how to promote it.

Prerequisite(s): PY 101

PY381 Cognitive Neuroscience

Hours 3

How does our brain give rise to our abilities to perceive, act and think? Survey of the basic facts, empirical evidence, theories and methods of study in cognitive neuroscience exploring how cognition is instantiated in neural activity. Representative topics include the neural underpinnings of perceptual and motor processes, decision making, learning and memory, attention, reinforcement learning, sensory inference, and cognitive control. The course will cover a functional analysis of cognitive disorders from a biological basis and the relation between brain and behavior. The latter will be addressed through studies of lesion localization and neuroimaging of the intact brain. This class should prepare you to take more specialized upper level classes in specific areas of neuroscience.

Prerequisite(s): PY 101 or PY 105

PY391 Junior Seminar

W

Hours 3

Course will expose students to specialty areas in Psychology and provide opportunities to develop skills associated with writing and oral presentation. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): PY 101 or PY 105 and PY 211

Writing

PY394 Mentoring Students with Autism

Hours 3

This course is designed to give students experience working with individuals on the autism spectrum. Each student will be paired with a UA-ACTS student who they will meet with 2-3 times per week to address academic organization, social skills, and daily-living and career-building skills. Students will also learn about best practices, trends, and barriers in working with individuals with ASD in the college environment.

Prerequisite(s): PY 101 or PY 105

PY395 Child Mental Health: Theory and Field Experience

Hours 3

The course will expose students to issues in child mental health and treatment, with a focus on professional ethics, mentoring, and evidence-based treatments for childhood disorders. The course will combine in-class lecture/discussion with a practicum experience at Brewer Porch.

Prerequisite(s): PY 101

PY399 Internship in Psychology

Hours 3

An opportunity for students to gain practical experience in psychology. Enrollment by application and interview only.

Prerequisite(s): PY 101 or PY 105 and PY 321

PY413 Physiological Psych

Hours 3

Bodily structures (nervous, muscular, and glandular) underlying behavior.

Prerequisite(s): PY 355

PY451 Undergraduate Research

Hours 1-3

Individual research projects. A maximum of 6 credit hours may be earned in PY 451.

Prerequisite(s): PY 355

PY461 Child Psychology

Hours 3

Scientific approaches to understanding the psychological development of youth and its applications. Suggested for undergraduate seniors.

Prerequisite(s): PY 355

PY470 Intro Cognitive Psychlgy

Hours 3

Contemporary approaches to cognitive psychology, including topics such as attention and memory.

Prerequisite(s): PY 355

PY478 Senior Honors Seminar

UH

Hours 2

The course is the third semester of a four-semester honors sequence. Implementation of an approved research proposal.

Prerequisite(s): PY 379

University Honors

PY479 Senior Honors Seminar

UH

Hours 3

The course is the final semester of a four-semester honors sequence. Preparation and defense of senior honors thesis.

Prerequisite(s): PY 478

University Honors

PY481 Readings In Psychology

Hours 1-3

Selected supervised readings. May be repeated for a maximum of 6 hours.

Prerequisite(s): PY 105 or PY 101 or PY 355 or PY 356

PY491 Senior Seminar In Psychology

W

Hours 3

Thorough examination of a selected contemporary psychological area. Different topics are offered each semester; descriptions are available at registration. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Offered each semester and in the summer session. May be repeated for a maximum of 6 hours.

Prerequisite(s): PY 355 and PY 356

Writing

PY495 Teaching Internship

Hours 3

Supervised experience and training in teaching, course administration, etc., as additional preparation for students planning to pursue graduate study in psychology.

PY581 Readings In Py Grad

Hours 1-3

Selected supervised readings.

PY591 Seminar In Py Grad

Hours 3

In-depth examination of a selected contemporary psychological area. Different sections offered each semester. Section descriptions are available at registration.

PY599 Thesis Research

Hours 1-12

This independent research course partially fulfills required master's-level research thesis hours toward the master's degree [in your field]. The course is conducted under the guidance of the thesis advisor. Material covered will be of an advanced nature aimed at providing master's students with an understanding of the latest research and current developments within the field. Discussion and advisor guidance will be directed towards readings of research articles and development of research methodology, with the aim of producing an original research contribution that represents a novel development in the field, or a novel perspective on a pre-existing topic in the field.

PY602 Advanced Statistics I

Hours 3

An applied course explaining how to use categorical predictor variables to explain continuous response variables. Covers t-tests, ANOVA, and nonparametric alternatives in between-, within-, and mixed-model designs.

PY603 Advanced Statistics II

Hours 3

An applied course explaining how to use continuous predictor variables to explain continuous response variables. Covers correlation, regression, and general linear models including both categorical and continuous predictor variables.

PY604 Multivariate Methods Analysis

Hours 3

Multivariate analysis, with emphasis on MANOVA, discriminant analysis, canonical correlation, and the multivariate approach to repeated measures analyses.

PY607 Research Methods Psych

Hours 3

Study and analysis of psychological methodology.

PY608 Introduction To Ethics

Hours 3

Introduction to ethical issues as they affect the practice of psychology.

PY609 Psycholog Assessment I

Hours 4

Principles of psychological evaluation; introduction to the clinical use of assessment techniques, with particular emphasis on intellectual assessment.

PY610 Psycholog Assessment II

Hours 3

The theory and application of projective techniques and personality inventories for adults.

PY612 Psych Assessment III

Hours 3

Principles of psychological evaluation, with particular emphasis on the assessment of children.

PY614 Categorical Data Analysis

Hours 3

Advanced graduate statistic course meant to educate about the statistical analysis tools for analyzing binary and categorical data.

Prerequisite(s): PY 602 and PY 603 and PY 607

PY615 Structural Equation Modeling

Hours 3

This course will provide you with an introduction to the theory and application of structural equation models. Structural equation models are a class of statistical techniques that incorporate regression analysis, path analysis, confirmatory factor analysis, and full scale models incorporating both measurement and structural components. These techniques are useful for both experimental and non-experimental data; for cross-sectional datasets; for multiple-group comparisons; and for longitudinal datasets, including the modeling of growth curves.

Prerequisite(s): PY 602 and PY 603 or any equivalent course Some knowledge on ANOVA, Multiple Regression, and Multivariate Data Analysis

PY616 Multilevel Modeling

Hours 3

Given the nature of the nesting data structure in social science including psychology (e.g., patients are nested within the clinicians), it is crucial to know how to handle the data dependency when analyzing this kind of nesting structured data. This course is designed to teach students the concept of MLM and the statistical technique to analyze the data appropriately.

Prerequisite(s): Students are expected to have taken: PY602 and PY603 or any equivalent courses. Students are expected to have some knowledge in ANOVA and Multiple Regression. Students who have not taken the required courses have to meet with me before they register for this course.

PY617 Supervision, Consultation and Interprofessional Skills

Hours 3

This course is designed to expose students to the current body of research on clinical supervision and professional consultation in clinical Psychology in order to prepare them for the role of supervisor.

Prerequisite(s): 2nd year clinical psychology graduate student.

PY618 Statistical Consulting

Hours 3

Students in this course will be introduced to statistical consulting techniques useful for work with researchers and policy makers in university and/or industry. This course is especially designed to improve student's real-world problem solving skills through experiential learning opportunities. Students are expected to have some knowledge in ANOVA, Multiple Regression, Multilevel Modeling, and Structural Equation Modeling.

Prerequisite(s): PY602 and PY603

PY619 Prin Of Psychotherapy

Hours 3

The study of psychotherapeutic processes, outcomes, and systems, with particular attention given to the operations common to all approaches.

PY621 Psychotherapy Laboratory

Hours 1

A skills-building seminar emphasizing interview and communications techniques. Introduction to practicum.

PY625 Contemp Issues Research

Hours 1

Current issues relating to research in cognitive and individual differences are presented and discussed.

PY629 Biological Bases of Behavior

Hours 3

The study of brain mechanisms of perception and thought through a variety of methodological approaches (e.g., lesions, brain imaging, and normal subject experiments).

PY630 Affective Neurophysiology

Hours 3

This course will provide an overview of the principles, theory, and applications of human affective neurophysiology. The course will provide an introduction to theory and research in major areas of affective neuroscience, including cross-level integration of anatomical, affect, and physiology data. The course will provide an introduction to laboratory techniques and methodological principles in human affective neurophysiological methods. Readings will come from the texts as well as relevant selections from the current literature. The course will involve a combination of lecture, discussion, demonstrations, and laboratory exercises.

Prerequisite(s): PY 629

PY631 Practicum In Psych I

Hours 1-3

Supervised experience in psychotherapeutic procedures in an approved clinical facility; seminars and case conferences.

PY633 Pract In Psych III

Hours 3

Supervised experience in psychotherapy in groups.

PY639 Practicum In Psych IX

Hours 1-3

Intensive experience with a variety of child and family disorders and therapy techniques. Exposure to interdisciplinary treatment settings and personnel.

PY641 Adv Clinical Placement

Hours 1-3

Supervised experience in an approved setting. Primary clinical supervision by faculty or licensed psychologist at a placement facility.

PY642 Practicum Psychology XI

Hours 1-3

Supervised experience in clinical geropsychology.

PY647 Social and Emotional Development

Hours 3

The field of children's social development is rich in its theoretical foundations, history, methodology, and connections to applied and policy issues. The purpose of this graduate course is to provide an overview of current theory and research on social and emotional development. The emphasis will be on issues and questions that have dominated the field over time and that continue to provide impetus for research. The goal is to provide a foundation for your later coursework and research by introducing you to a broad range of topics, theories, and studies rather than to give in-depth coverage of any area.

PY648 Cognitive Development

Hours 3

The goal of this course is to facilitate intelligent discussion of the most influential and current research in the field of cognitive development. Students will read peer-reviewed empirical articles, intelligently discuss the implications of the science in informing the public's knowledge of cognitive development, and conduct their own study into one specific area of cognitive development. Students will advance their writing and critical thinking skills by writing a research proposal to further explore an area of cognitive development.

PY650 Cognition And Learning

Hours 3

Contemporary approaches to cognition and learning. A broad survey, with in-depth looks at selected topics including attention and memory.

PY652 Affect and Lifespan Development Psychology

Hours 3

This course will provide an overview of theories and empirical research on a range of different topics in life-span developmental psychology. In the first part of the course, we will discuss various theories of developmental psychology. Theories of Developmental Psychology (6th Edition) along with additional readings made available via Blackboard will be the text for this first section of the course. In the second part of the course, we will explore empirical findings related to cognitive, affective, and social bases of behavior across the lifespan.

PY654 Seminar in Developmental Psychology

Hours 3

Course will provide an overview of current theory and research on social and emotional development.

Prerequisite(s): Graduate student in Psychology doctoral program.

Permission of department.

PY655 Seminar in Cognitive Psychology

Hours 3

Course provides in-depth coverage of current research in the area of cognitive Psychology.

PY656 Seminar in Social Psychology

Hours 3

Course will provide an overview of issues in the scientific study of emotions, with a focus on neuroscience, social, and cognitive approaches.

Prerequisite(s): Graduate student in Psychology doctoral program.

Permission of department.

PY658 Psychopathology

Hours 3

A survey of manifestations of abnormal behavior, and the diagnosis of abnormal behavior and mental disorders.

PY664 Seminar in Psychometrics

Hours 1

Overview of Psychometric principles used to evaluate psychological test instruments.

PY666 Child Psychopathlg Treat

Hours 3

Examines diagnosis and treatment of childhood disorders from empirical, theoretical, and practical standpoints.

PY669 Sem Clinic Child Psych

Hours 1

Issues in research and practice of clinical child psychology.

PY670 Perception And Action

Hours 3

An introduction to issues and concepts in the study of perception. Fundamental theoretical and empirical controversies are analyzed.

PY671 History/Systems In Psych

Hours 3

Systematic points of view placed in historical perspective.

PY672 Adv Social Psychology

Hours 3

Major aspects of social psychology including attitude change, attribution theory, aggression, altruism, prejudice, interpersonal relations, and group dynamics.

PY676 Criminal Forensic Assessment

Hours 3

Familiarizes students with relevant issues in criminal forensic assessment and introduces them to current forensic assessment instruments.

PY678 Forensic Psychology

Hours 3

The application of clinical psychology to forensic and legal issues. Competency to stand trial, criminal responsibility, testamentary capacity, jury decision making and dynamics, jury selection, and expert witness testimony.

PY679 Sem In Psychology-Law

Hours 1

Issues in research and practice of psychology as related to the law.

PY687 Clinical Psychology Of Aging

Hours 3

A survey of clinical geropsychology including review of major disorders experienced by older adults, assessment issues, and treatments used in work with older adults.

PY688 Sem Adult Clinic Psych

Hours 1

Issues in research and practice related to adult clinical psychology.

PY690 Cultural Competency

Hours 3

This seminar emphasizes the role of ethnicity, class, culture, gender, sexual orientation, and disability in mental health, and the impact of these factors on assessment, diagnosis, and treatment.

PY693 Seminar:Adv General Py

Hours 1-3

Seminar:Advanced General Psychology.

PY694 Behavioral Medicine

Hours 3

This course intended to provide foundational knowledge in Behavioral Medicine. The course will focus on scientific knowledge of the interrelationships among behavioral, emotional, cognitive, social and biological components in health and disease as they relate to the promotion and maintenance of health and the prevention, treatment and rehabilitation of illness and disability. The course will examine the typical populations that are the focus in Behavioral Medicine research and intervention. Thus, assessment of and intervention with chronic disease (HIV/AIDS, cancer, heart disease, chronic pain, diabetes etc.) as well as acute health problems will be covered.

PY695 Teaching Of Psychology

Hours 3

Principles of teaching and supervised experience.

PY698 Graduate Research

Hours 1-6

Independent research by the advanced graduate student.

PY699 Dissertation Research

Hours 1-12

This independent research course partially fulfills required doctoral-level research dissertation hours toward the doctoral degree [or Ph.D. degree in your field]. The course is conducted under the guidance of the dissertation advisor. Material covered will be of an advanced nature aimed at providing doctoral students with an understanding of the latest research and current developments within the field. Discussion and advisor guidance will be directed towards readings of research articles and development of research methodology, with the aim of producing an original research contribution that represents a novel development in the field, or a novel perspective on a pre-existing topic in the field.