

# PSYCHOLOGY (PSY)

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**PSY 110. Introduction to Psychology. 3 Credit Hours.**

A survey of modern scientific psychology. Topics include learning, memory, perception, cognition, personality, motivation, emotion, development, abnormal psychology, and social psychology. Participation in a small number of experiments is required to ensure that students become acquainted first hand with the experimental laboratory methods used in Psychology. Students may choose to satisfy this requirement by writing a small number of methodology papers instead.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Fall, Spring, & Summer.

**PSY 175. Special Topics. 1-3 Credit Hours.**

Content varies by semester.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 190. Faculty Overview of Research and Undergraduate Mentoring (FORUM). 1 Credit Hour.**

Critical discussion of research reports in psychology. Open to all PSY majors, not just first year students.

Pre-requisite: PSY Major.

**Components:** DIS.

**Grading:** GRD.

**Typically Offered:** Spring.

**PSY 210. Social Psychology. 3 Credit Hours.**

The major theories, methods and research findings in social psychology. Attitude formation and change, person perception, interpersonal attraction, aggression, group structure, leadership, conformity and mass phenomena. Emphasizes the individual as the basic unit of analysis.

Prerequisite: C- or higher in PSY 110.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Fall, Spring, & Summer.

**PSY 220. Introduction to Psychobiology. 3 Credit Hours.**

Behavior viewed from a biological perspective. Survey of biological factors subserving sensation, perception, sleep, emotions, motivation, learning, memory, and development

Prerequisite: C- or higher in PSY 110.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Fall, Spring, & Summer.

**PSY 225. Introduction to Evolutionary Psychology. 3 Credit Hours.**

Integrates concepts and evidence from evolutionary biology, behavioral ecology, anthropology, and cognitive science to better understand human nature. The course covers topics such as natural selection, inclusive fitness, life history theory, emotions, aggression, cooperation, mating, morality, and religion.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Fall.

**PSY 230. Child and Adolescent Development. 3 Credit Hours.**

Survey of significant aspects of growth and development throughout the lifespan. Emphasis placed on childhood and adolescence.

Prerequisite: C- or higher in PSY 110.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Fall, Spring, & Summer.

**PSY 235. Learning and Behavior. 3 Credit Hours.**

This course introduces and surveys the principles, methods, theories, and applications of the experimental analysis of behavior. Students will develop competence in the use of technical terminology pertaining to the concepts and principles of behavior analysis.

Prerequisite: PSY 110.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Fall & Spring.

**PSY 240. Psychopathology. 3 Credit Hours.**

Previous Course Title: Abnormal Psychology. Diagnostic formulations of the clinical syndromes; theories of psychopathological states.

Prerequisite: C- or higher in PSY 110.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Fall, Spring, & Summer.

**PSY 250. Cognitive Psychology. 3 Credit Hours.**

Survey of theory and research on human information processing and cognitive processes.

Prerequisite: C- or higher in PSY 110.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Fall, Spring, & Summer.

**PSY 260. Personality Psychology. 3 Credit Hours.**

A survey of the area of personality, including the relation of personality to general psychology, history of theory and research in the field, definition, assessment, and research findings in major substantive areas.

Prerequisite: C- or higher in PSY 110.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Fall & Spring.

**PSY 272. Science and Pseudoscience. 3 Credit Hours.**

The features that characterize science and the ways that pseudoscience (e.g., ESP, astrology, energy therapy, aliens, ghosts) deviates from these.

Students will learn about the factors that influence human thinking, decision making, and behavior as well as how to critically evaluate the credibility of claims and arguments. This course will help students improve their analytical and reasoning skills, support their arguments and evaluate the arguments made by others, and become better consumers of information.

Prerequisite: C- or higher in PSY 110.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Fall & Spring.

**PSY 275. Special Topics. 3 Credit Hours.**

Content varies by semester.

Prerequisite: C- or higher in PSY 110.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 280. Research Projects I. 1-3 Credit Hours.**

Students assist on a research project in psychology under supervision of a faculty member. Activities include library research, data collection and management, and attendance at research team meetings. Students interested should contact the particular Psychology Faculty member they'd like to work with.

Instructor Permission and either Prerequisite: C- or higher in PSY 110 or Concurrent enrollment PSY 110.

**Components:** IND.

**Grading:** GRD.

**Typically Offered:** Fall, Spring, & Summer.

**PSY 290. Introduction to Research Methods. 3 Credit Hours.**

An introduction to research methods in psychology. We will discuss the scientific concepts, principles, and ways of thinking that are central to the study of psychology. Topics to be covered include the goals of psychological research, ethical issues in the design and implementation of research studies, research design strategies and types of measurement, and methods of presenting data. A variety of in-class assignments will provide students with the opportunity to reflect upon the ways in which research is conducted, presented, and interpreted.

Prerequisite or Corequisite: C- or Higher in PSY 110.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Fall, Spring, & Summer.

**PSY 291. Introduction to Biobehavioral Statistics. 3 Credit Hours.**

The basics of descriptive and inferential statistics, but the focus will be on the latter. We will cover only enough descriptive statistics to enable us to introduce the inferential concepts of regression, t-tests ANOVA and Chi Square. This course is reserved for PSY majors and minors

Prerequisite: PSY Major or PSY Minor or NEU major, and C- or higher in PSY 110, and MTH 101 or higher.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Fall & Spring.

**PSY 292. Introduction to Biobehavioral Statistics Section B. 3 Credit Hours.**

The basics of descriptive and inferential statistics, but the focus will be on the latter. Descriptive statistics to introduce the inferential concepts of regression, t-tests ANOVA and Chi Square. This course is open to PSY majors and non-majors

Prerequisite: For PSY Majors or Minors and NEU Majors: C- or higher in PSY 110, and MTH 101 or higher; For Non-PSY majors: C- or higher in MTH 101 or higher.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Fall, Spring, & Summer.

**PSY 306. Introduction to Research and Graduate School. 1 Credit Hour.**

Introduction to research and graduate school in psychology and psychology-related fields. The course will focus on different opportunities available to students at the University and on the graduate school application process.

Prerequisite: 2.5 GPA and 15 credits in PSY including PSY 110, PSY 290, and PSY 291 or 292 and 6 additional credits of either PSY 200 level classes or any NEU classes.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 307. Advancing Mind-Body Health, Healing and Performance. 3 Credit Hours.**

This course will cover different approaches for bringing an individual's psychology and biology into a state that enhances health, healing and performance. We will draw lessons from ancient traditional systems in Asia, Africa, Europe and the Americas, and from modern science and western medicine. We will learn about ways in which ancient and modern preventative and curative approaches can be combined. We will learn how positive factors such as "good" stress, sleep, movement/exercise, nutrition, and social support, may be harnessed to enhance health, healing and performance. We will also learn how the effects of harmful factors such as chronic stress and anxiety may be ameliorated using a range of approaches.

Pre-Requisites: 2.5 GPA, PSY 110 and 6 additional credits of PSY 200 level classes.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Fall & Spring.

**PSY 310. Attitudes and Persuasion. 3 Credit Hours.**

An analysis of the major theories and research findings relating to attitude formation and change, including a review of widely used persuasion techniques.

Prerequisite: 2.5 GPA and 15 credits in PSY including PSY 110, PSY 290, and PSY 291 or 292 and 6 additional credits of either PSY 200 level classes or any NEU classes.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 311. Emotion. 3 Credit Hours.**

Theory and research concerning the development, arousal, and expression of emotional reaction.

Prerequisite: 2.5 GPA and 15 credits in PSY including PSY 110, PSY 290, and PSY 291 or 292 and 6 additional credits of either PSY 200 level classes or any NEU classes.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 312. Psychology of Gender. 3 Credit Hours.**

Psychological theories and research related to understanding issues of gender across the lifespan.

Prerequisite: 2.5 GPA and 15 credits in PSY including PSY 110, PSY 290, and PSY 291 or 292 and 6 additional credits of either PSY 200 level classes or any NEU classes.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 313. Romantic Relations. 3 Credit Hours.**

An introduction to how social scientists think about, study, and intervene with romantic relationships.

Prerequisite: 2.5 GPA and 15 credits in PSY including PSY 110, PSY 290, and PSY 291 or 292 and 6 additional credits of either PSY 200 level classes or any NEU classes.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 320. Psychology of Drugs and Behavior. 3 Credit Hours.**

The psychological and physiological effects of drugs. Includes psychosocial aspects of drug use and the treatment and prevention of abuse. An introduction to psychopharmacology.

Prerequisite: 2.5 GPA and 15 credits in PSY including PSY 110, PSY 290, and PSY 291 or 292 and 6 additional credits of either PSY 200 level classes or any NEU classes.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 325. Sex and Evolution. 3 Credit Hours.**

A biological/evolutionary approach to the study of human sexuality and cognition. The evolution of sexual reproduction and the evolution of the two sexes. Initial discussions will introduce the theory of evolution by natural selection and address the different levels at which selection operates. Building on this foundation, the class will focus on why sex evolved and the myriad physiological and psychological adaptations that evolved as a consequence. Topics to be covered include sexual selection, mate selection, pregnancy, and parent-offspring conflict.

Prerequisite: 2.5 GPA and 15 credits in PSY including PSY 110, PSY 290, and PSY 291 or 292 and 6 additional credits of either PSY 200 level classes or any NEU classes.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Spring.

**PSY 330. Psychology of Language Development. 3 Credit Hours.**

The study of language acquisition, primarily focusing on infancy through 5 years. Topics covered include biological bases of language, sound discrimination abilities, babbling and speech production.

Prerequisite: 2.5 GPA and 15 credits in PSY including PSY 110, PSY 230, PSY 290, and PSY 291 or 292 and 3 additional credits of a PSY 200 level class or any NEU class.

**Components:** SEM.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 331. Psychology of Adulthood and Aging. 3 Credit Hours.**

Major developments during the middle and later years of adulthood including changes in family and peer relationships, cognitive changes, physical changes, and psychological aspects of death and dying.

Prerequisite: 2.5 GPA and 15 credits in PSY including PSY 110, PSY 230, PSY 290, and PSY 291 or 292 and 3 additional credits of a PSY 200 level class or any NEU class.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 345. Child Psychopathology. 3 Credit Hours.**

Reviews definitions, theories, and causes of mental and cognitive disorders in youth, including anxiety, depression, conduct problems, and learning and intellectual disabilities.

Prerequisite: 2.5 GPA and 15 credits in PSY including PSY 110, PSY 230 or PSY 240, PSY 290, and PSY 291 or 292 and 3 additional credits of a PSY 200 level class, or any NEU class, or MED 551.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Fall & Spring.

**PSY 355. Psychology of Thinking and Learning in Children. 3 Credit Hours.**

Development of perceptions, thought, and language processes throughout the lifespan with an emphasis on early and middle childhood.

Prerequisite: 2.5 GPA and 15 credits in PSY including PSY 110, PSY 230, PSY 290, and PSY 291 or 292 and 3 additional credits of a PSY 200 level class or any NEU class.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 356. Psychology of Intellectual and Developmental Disabilities. 3 Credit Hours.**

The etiological, social, and psychological aspects of intellectual and developmental disabilities.

Prerequisite: 2.5 GPA and 15 credits in PSY including PSY 110, PSY 230, PSY 290, and PSY 291 or 292 and 3 additional credits of a PSY 200 level class or any NEU class.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 360. Personality Theory. 3 Credit Hours.**

The role of structure, development, dynamics, individual differences, assessments, and deviations.

Prerequisite: 2.5 GPA and 15 credits in PSY including PSY 110, PSY 260, PSY 290, and PSY 291 or 292 and 3 additional credits of PSY 200 level classes.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 370. Psychology of Human Sexual Behavior. 3 Credit Hours.**

Interaction of biological and social factors in normal sexual development, and behavior patterns; etiologies of dysfunctions, paraphilias and gender-identity; assessment and intervention procedures.

Prerequisite: 2.5 GPA and 15 credits in PSY including PSY 110, PSY 290, and PSY 291 or 292 and 6 additional credits of PSY 200 level classes.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 371. Stress Management. 3 Credit Hours.**

Physiology and psychology of stress, with emphasis on mind-body (stress-health) connection. Integrates scientific knowledge with practice techniques such as muscle relaxation, cognitive restructuring, meditation, anger management, yoga, exercise, assertiveness training, and social support.

Prerequisite: 2.5 GPA and 15 credits in PSY including PSY 110, PSY 290, and PSY 291 or 292 and 6 additional credits of PSY 200 level classes.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 372. Applied Behavior Analysis. 3 Credit Hours.**

This course extends learning principles to human problems across a variety of applications including child development, education, mental health, intellectual and developmental disabilities, behavioral medicine, business and industry, aging and environmental applications.

Prerequisite: 2.5 GPA and 12 credits in PSY including PSY 110, PSY 290.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 375. Special Topics. 3 Credit Hours.**

Content varies by semester.

Prerequisite: 2.5 GPA and 15 credits in PSY including PSY 110, PSY 290, and PSY 291 or 292 and 6 additional credits of PSY 200 level classes.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 380. Research Projects II. 1-3 Credit Hours.**

Students assist on a research project in psychology under supervision of a faculty member. Activities include library research, data collection and management, and attendance at research team meetings. Students should contact the faculty member they are interested in working with to obtain permission to register.

Prerequisite: 2.5 GPA and 15 credits in PSY including PSY 110, PSY 290, and PSY 291 or 292 and 6 additional credits of either PSY 200 level classes or any NEU classes.

**Components:** IND.

**Grading:** GRD.

**Typically Offered:** Fall, Spring, & Summer.

**PSY 390. Intermediate Research Methods and Biobehavioral Statistics. 3 Credit Hours.**

A synthesis and extension of the introductory statistics and research methods courses. Students will review the material covered in those courses and apply that knowledge to the critical evaluation of research literature, the analysis of data using statistical software packages, and the writing of the sections of a scientific paper in American Psychological Association (APA) style.

Prerequisite: 2.5 GPA and 15 credits in PSY including PSY 110, PSY 290, and PSY 291 or 292 and 6 additional credits of either PSY 200 level classes or any NEU classes.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Fall & Spring.

**PSY 391. Tests and Measurements. 3 Credit Hours.**

Theory and principles of construction, use, evaluation, and interpretation of psychological tests and testing procedures.

Prerequisite: 2.5 GPA and 15 credits in PSY including PSY 110, PSY 290, and PSY 291 or 292 and 6 additional credits of either PSY 200 level classes or any NEU classes.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Spring Odd Years.

**PSY 410. Social Interaction Processes. 3 Credit Hours.**

An in-depth analysis of variables leading to, and processes involved in, human social interactions ranging from superficial encounters to intimate relationships.

Prerequisite: 2.5 GPA and 21 credits in PSY including PSY 110, PSY 290, and PSY 291 or 292, 9 additional credits of PSY 200 level classes and 3 additional credits in any 300-level class.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 411. Relationships and Health. 3 Credit Hours.**

Interpersonal processes that play out in the course of chronic physical illnesses. An integrated foundation on theories and concepts of interpersonal relationships in psychology and a comprehensive introduction to how these theories and concepts can be applied to relationships among family members dealing with physical illnesses. Students will be introduced to diverse perspectives on interpersonal relationships and to a broad perspective on physical illnesses as "family" diseases, across the illness trajectory.

Prerequisite: 2.5 GPA and 21 credits in PSY including PSY 110, PSY 290, and PSY 291 or 292, 9 additional credits of PSY 200 level classes and 3 additional credits in any 300-level class.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 412. Social and Cultural Neuroscience. 3 Credit Hours.**

Human neuroimaging research on social behavior (e.g., person perception, intergroup relations, and social learning), and the relationships between culture and the brain (e.g., cultural learning and neural mechanisms underlying cross-cultural differences). The course will also cover foundations of social and cultural neuroscience (e.g., shared and unique aspects of human culture and social behavior, and techniques for studying culture and social behavior using neuroscience methods).

Prerequisite: 2.5 GPA and 21 credits in PSY including PSY 110, PSY 290, and PSY 291 or 292, 9 additional credits of PSY 200 level classes and 3 additional credits in any 300-level class.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 413. Cultural Diversity in Psychology. 3 Credit Hours.**

An evaluation of psychology from cultural perspectives and promote critical thinking about various topics within psychology. The first half of this course will cover topics such as research methods, enculturation, developmental processes, cognition, gender, sexuality, health, emotion, language, and communication from a cultural perspective. During the second half of the course we will discuss the role of culture in personality, abnormal psychology, treatment of abnormal behavior, social behavior and organizations.

Prerequisite: 2.5 GPA and 21 credits in PSY including PSY 110, PSY 290, and PSY 291 or 292, 9 additional credits of PSY 200 level classes and 3 additional credits in any 300-level class.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 425. Psychobiology. 3 Credit Hours.**

Basic neuroanatomy, neurophysiology, and neurochemistry followed by an introduction to the physiological bases of sensation, motor systems, motivation, emotion, learning and memory.

Prerequisite: 2.5 GPA and 21 credits in PSY including PSY 110, PSY 290, and PSY 291 or 292, 9 additional credits of PSY 200 level classes and 3 additional credits in any 300 level class or NEU major.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 426. Health Psychology. 3 Credit Hours.**

The psychosomatic and biopsychosocial models of illness.

Prerequisite: 2.5 GPA and 21 credits in PSY including PSY 110, PSY 290, and PSY 291 or 292, 9 additional credits of PSY 200 level classes and 3 additional credits in any 300 level class or NEU major.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 427. Psychoneuroimmunology. 3 Credit Hours.**

The most current literature in psychoneuroimmunology (PNI) allowing students to connect psychological, neuroendocrine and immunological processes and mechanisms. Students will apply this information within the context of chronic disease prevention, progression and intervention.

Prerequisite: 2.5 GPA and 21 credits in PSY including PSY 110, PSY 290, and PSY 291 or 292, 9 additional credits of PSY 200 level classes and 3 additional credits in any 300 level class or NEU major.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 428. Psychology and Cancer: Biobehavioral and Psychosocial Processes. 3 Credit Hours.**

An introduction to the biobehavioral and psychosocial processes involved in the etiology, prevention, detection, treatment, and adaptation to cancer.

Prerequisite: 2.5 GPA and 21 credits in PSY including PSY 110, PSY 290, and PSY 291 or 292, 9 additional credits of PSY 200 level classes and 3 additional credits in any 300 level class or NEU major.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 430. Psychology of Infancy. 3 Credit Hours.**

Perceptual, motor, cognitive and social development during the first two years of life. Specialized research methods and assessment procedures.

Pre-Requisite: 2.5 GPA and 21 credits in PSY including PSY 110, PSY 230, PSY 290, and PSY 291 or 292, 6 additional credits of PSY 200 level classes and 3 additional credits in any 300 level class.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 431. Psychology of Social and Emotional Development. 3 Credit Hours.**

Social and emotional growth; topics include family and peer relationships, sex roles, self-control, and moral development.

Pre-Requisite: 2.5 GPA and 21 credits in PSY including PSY 110, PSY 230, PSY 290, and PSY 291 or 292, 6 additional credits of PSY 200 level classes and 3 additional credits in any 300 level class.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Fall.

**PSY 432. Prenatal Development. 3 Credit Hours.**

A detailed understanding of prenatal development including conception, embryonic and fetal development, and birth. The effects and interplay of genetic and environmental factors on the health and well-being of the developing baby will be discussed throughout the course. The important role of preconception and prenatal care will also be discussed.

Pre-Requisite: 2.5 GPA, PSY 110 and PSY 230 and 9 additional credits of PSY 200 level classes and 3 additional credits in any 300 level class.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 433. Psychology of Racism. 3 Credit Hours.**

This course will draw upon the rich psychological literature to explore how race and racism influences the psychological processes of groups who hold power and status, as well as how racism can shape and influence the beliefs, attitudes and behavior of marginalized low status groups. This course adopts a scientific perspective and examines the issues of racism in relation to the theory and practice of social science generally, and social psychology in particular.

Prerequisite: 2.5 GPA and 21 credits in PSY including PSY 110, PSY 290, and PSY 291 or 292, 9 additional credits of PSY 200 level classes and 3 additional credits in any 300-level class.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Fall & Spring.

**PSY 445. Cultural, Values, Religiosity, and Mental Illness. 3 Credit Hours.**

Cultural differences in the manifestations, course, and outcome of severe mental illness (those in which psychosis is likely to occur). This seminar also explores the growing body of research on the relationship between chronic mental disorders and the following socio-cultural factors: ethnicity, religious values, family cohesion, attributions of control, and world-view. Finally, we will explore cultural differences in societies' reactions to, and treatment of mentally ill patients.

Prerequisite: 2.5 GPA and 21 credits in PSY including PSY 110, PSY 290, and PSY 291 or 292, 9 additional credits of PSY 200 level classes and 3 additional credits in any 300-level class.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 446. Issues in Clinical Psychology. 3 Credit Hours.**

The scientific and theoretical bases of psychotherapy. The course has three distinct components: (1) An introduction to the concept of psychotherapy, including its historical context and the research evidence supporting its efficacy and effectiveness; (2) An interactive overview of major theories underpinning the practice of psychotherapy; and (3) A brief review of evidence-based treatment models for varying forms of psychopathology and clinical conditions.

Prerequisite: 2.5 GPA and 21 credits in PSY including PSY 110, PSY 290, and PSY 291 or 292, 9 additional credits of PSY 200 level classes and 3 additional credits in any 300-level class.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 447. Advanced Child Development and Observation. 3 Credit Hours.**

The theoretical and empirical examining of child development, birth to five, including detailed understanding of children's development across social-emotional, cognitive, and motor domains. Students will think critically about child development within the context of families, culture, schools and communities. Students will learn methods for observing and recording children's development. Students will apply this knowledge to a hands-on service learning experience that provides an opportunity for civic action and reflection.

Pre-Requisite: 2.5 GPA and 21 credits in PSY including PSY 110, PSY 230, PSY 290, and PSY 291 or 292, 6 additional credits of PSY 200 level classes and 3 additional credits in any 300 level class.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 448. Adolescence. 3 Credit Hours.**

Examines adolescence from multiple perspectives. Topics to be discussed include how adolescents develop biologically, psychologically, and socially; the multiple contexts that influence this developmental stage including the influence of family, peers, and society; and the foundational work and current issues in adolescent development research. This course will provide an opportunity to develop critical analysis of research, including critiquing theory, method/design, and interpretation of findings.

Pre-Requisite: 2.5 GPA and 21 credits in PSY including PSY 110, PSY 230, PSY 290, and PSY 291 or 292, 6 additional credits of PSY 200 level classes and 3 additional credits in any 300 level class.

**Components:** DIS.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 456. Genetic and Developmental Disorders. 3 Credit Hours.**

The diagnostic, etiological, and intervention issues in genetic and developmental disorders with a particular emphasis on the current state-of-the-science with regard to empirically supported concepts. The course will present information that will allow students a greater understanding of specific disorders and strategies for understanding developmental problems. Current research will be placed within a contemporary context that seeks to integrate educational, psychological and biomedical disciplines.

Prerequisite: 2.5 GPA and 21 credits in PSY including PSY 110, PSY 290, and PSY 291 or 292, 9 additional credits of PSY 200 level classes and 3 additional credits in any 300-level class.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 462. Mindfulness, Attention, and the Brain. 3 Credit Hours.**

Discusses the cognitive neuroscience of attention and the neural bases of mindfulness. Introduces students to mindfulness-based meditation techniques. Students propose a novel research idea and submit a grant proposal describing this idea.

Prerequisite: 2.5 GPA and 21 credits in PSY including PSY 110, PSY 290, and PSY 291 or 292, 9 additional credits of PSY 200 level classes and 3 additional credits in any 300-level class.

**Components:** SEM.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.



**PSY 471. Positive Psychology. 3 Credit Hours.**

Presents an introduction to the core assumptions and research findings in the field of positive psychology; explores interventions and applications informed by this field as applied to personal well-being, social relationships, and psychotherapy.

Prerequisite: 2.5 GPA and 21 credits in PSY including PSY 110, PSY 290, and PSY 291 or 292, 9 additional credits of PSY 200 level classes and 3 additional credits in any 300-level class.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 474. Special Topics. 3 Credit Hours.**

Content varies by semester. Not all special topics sections offer a writing component.

Prerequisite: 2.5 GPA and 21 credits in PSY including PSY 110, PSY 290, and PSY 291 or 292, 9 additional credits of PSY 200 level classes and 3 additional credits in any 300-level class.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 480. Research Projects III. 1-3 Credit Hours.**

Students assist on a research project in psychology under supervision of a faculty member. Activities may include library research, data collection and management, and attendance at research team meetings. Students should contact the Psychology Faculty member they are interested in working with to obtain permission to register.

Prerequisite: Instructor Permission and 2.5 GPA and 21 credits in PSY including PSY 110, PSY 290, and PSY 291 or 292, 9 additional credits of PSY 200 level classes and 3 additional credits in any 300 level class.

**Components:** IND.

**Grading:** GRD.

**Typically Offered:** Fall, Spring, & Summer.

**PSY 490. Advanced Research Methods. 3 Credit Hours.**

A capstone course for Senior PSY BS majors, students will develop, conduct and write up two research projects: (i) a project that uses descriptive methods and associated statistical techniques and (ii) a project that uses experimental methods and associated statistical techniques. These projects will integrate the concepts and skills learned in the Introductory and Intermediate Methods courses as well as the Introductory and Intermediate Statistics courses. Students will collect and analyze their data and write up a publishable research report. Students typically present the results of their work in poster format at the end of the semester.

Prerequisite: 2.5 GPA and 21 credits in PSY including PSY 110, PSY 290, and PSY 291 or 292, 9 additional credits of PSY 200 level classes and 3 additional credits in any 300 level class; Instructor Permission required.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Fall & Spring.

**PSY 491. Advanced Biobehavioral Statistics. 3 Credit Hours.**

This course builds upon the material covered in PSY 390. After a brief review, analysis of variance and multiple regression will be covered using a general linear model (GLM) approach. The goal is to prepare students for graduate level work in applied statistics.

Prerequisite: 2.5 GPA and 21 credits in PSY including PSY 110, PSY 290, and PSY 291 or 292, 9 additional credits of PSY 200 level classes and 3 additional credits in any 300 level class or NEU major.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 520. Psychoneuroimmunology. 3 Credit Hours.**

This course is designed to present some of the basic information necessary to interpret the current literature in psychoneuroimmunology (PNI) and to design research in this area.

Requisite: 2.8 PSY GPA; 18 credits in PSY, including PSY 390.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 540. Culture, Values, Religiosity, and Mental Illness. 3 Credit Hours.**

Cultural differences in the manifestation, course, and outcome of serious mental disorders; the relationship between chronic mental disorders and ethnicity, religious values, family cohesion, attributions of control, and world view; cultural differences in societies' reactions to and treatment of mentally ill patients.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 575. Special Topics. 1-3 Credit Hours.**

Content varies by semester.

Prerequisite: 2.5 GPA and 21 credits in PSY including PSY 110, PSY 290, and PSY 291 or 292, 9 additional credits of PSY 200 level classes and 3 additional credits in any 300 level class; Instructor Permission required.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 580. Senior Honors in Psychology I. 3 Credit Hours.**

Students work closely with a faculty member to design a unique research study and write a scientific paper to report on the results. Limited to undergraduate students only. Students interested in completing an honors thesis should already be a member of a research lab. Students should discuss with a Psychology Faculty member of their choice their interest in completing an Honors Thesis. Two semesters are required for completion.

Prerequisite: Must complete PSY 390, 3.3 combined GPA, earn a 3.5 major GPA; 21 credits in PSY including PSY 110, PSY 290, and PSY 291 or 292, 9 additional credits of PSY 200 level and 3 additional credits any 300 level; Instructor Permission required.

**Components:** IND.

**Grading:** GRD.

**Typically Offered:** Fall, Spring, & Summer.

**PSY 581. Senior Honors in Psychology II. 3 Credit Hours.**

Students work closely with a faculty member to design a unique research study and write a scientific paper to report on the results. Limited to undergraduate students only. Students interested in completing an honors thesis should already be a member of a research lab. Students should discuss with a Psychology Faculty member of their choice their interest in completing an Honors Thesis. Two semesters are required for completion.

Prerequisite: 2.5 GPA and 21 credits in PSY including PSY 110, PSY 290, and PSY 291 or 292, 9 additional credits of PSY 200 level classes and 3 additional credits in any 300 level class; Instructor Permission required.

**Components:** IND.

**Grading:** GRD.

**Typically Offered:** Fall, Spring, & Summer.

**PSY 601. Issues in Professional Development and Research.. 1 Credit Hour.**

Seminar addressing issues such as structure of academic systems and progress through them, time management, library search systems, professional journals, how to structure curriculum vitae, procedures and rules in human subject research, professional meetings and presentations, extramural funding opportunities, professional writing style, ethical issues.

Requisite: Plan of Graduate Psychology.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 602. Scientific writing and grantsmanship. 3 Credit Hours.**

Writing and organizational skills for professional development in social and behavioral sciences. Mechanism of extramural funding and grant review, including grantsmanship.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 603. Neuroanatomy. 3 Credit Hours.**

Functional neuroanatomy for individuals engaged in basic neuroscience and psychological research. Gross anatomy, identification of pathways and circuits, and physiological functions of neuroanatomical systems. Clinical examples and case histories of neuroanatomical disorders. Laboratory exercises including brain dissections, examination of brain models and atlases, and internet neuroanatomy websites.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 604. Cognition and Emotion. 3 Credit Hours.**

Study of basic cognitive processes of attention and memory, the function of emotions, and the role of cognitive mechanisms in the processing of affective information.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 605. Cognitive Neuroscience. 3 Credit Hours.**

Brain mechanisms in cognition and behavior, including sensory encoding and perception, attention, motivation, emotion, learning/memory, language, executive functions, and mental disorders.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 606. Biobehavioral Processes and Disease in Health Psychology. 3 Credit Hours.**

Discussion of basic processes of central nervous system, cardiovascular, endocrine, immune and other biological systems in the context of behavioral medicine, psychoneuroimmunology, and health psychology research.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 609. Psychopharmacology. 3 Credit Hours.**

Basic methods and current issues in psychopharmacology.

Prerequisite: PSY 605.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 610. Foundations in Health Psychology and Behavioral Medicine. 3 Credit Hours.**

Conduct of clinical research and examination of bio behavioral processes in health psychology and behavioral medicine. Lectures, readings and assignments deal with basic and clinical research involving pathology, assessment and intervention-based functions with applications focused on health and disease conceptualized at multiple levels of prevention.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 613. Psychoneuroimmunology. 3 Credit Hours.**

Structural and functional aspects of the immune system that are sensitive to neural and psychological processes. Interactions between the nervous and immune systems are examined in relation to empirical associations between psychological factors (i.e., stress) and immune-mediated processes in diseases such as cancer and AIDS.

Prerequisite: PSY 605.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 614. Diversity issues in psychology. 3 Credit Hours.**

Overview of diversity issues including race, religion, gender, age, sexual orientation, physical disability and socioeconomic status as they relate to psychological research and clinical practice.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 615. Foundations of neuropsychology. 3 Credit Hours.**

Mechanisms of neurological and psychiatric disorders, including developmental disorders, dementia, aphasia, amnesia, stroke, traumatic brain injury, and loss of general intelligence. Clinical tools for neuropsychological assessment, forensics, and genetic screening.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 616. Biobehavioral Processes and Clinical Research Applications in Health Psychology. 3 Credit Hours.**

Conduct of clinical research and examination of biobehavioral processes in health psychology. Lectures, readings and assignments deal with clinical research involving pathology, assessment and intervention-based functions with applications focused on health and disease conceptualized at multiple levels of prevention.

Prerequisite: PSY 606 and PSY 610.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 620. Advanced Developmental Psychology. 3 Credit Hours.**

Mechanisms underlying continuity and change over the lifespan. Topics include developmental theories and methods; specific domains of development (perceptual, cognitive, social/emotional); socialization processes; and emerging adulthood, parenting, and aging.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 621. Theories of Development. 3 Credit Hours.**

Theoretical aspects of psychological development throughout the life span.

Prerequisite: PSY 620.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 622. Cognitive Development. 3 Credit Hours.**

Theories of cognitive development across infancy, childhood, and adolescence. Topics include measurement approaches, normative development, individual differences, etiological factors and contextual influences.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 623. Language Development. 3 Credit Hours.**

The study of language acquisition, primarily focusing on infancy through 5 years. Topics covered include biological bases of language, sound discrimination abilities, babbling and speech production, word learning, acquisition of grammar, bilingualism, and development in atypical populations.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 624. Social Development. 3 Credit Hours.**

Theoretical and empirical research on typical and atypical social development—including emotional development and social cognition—in infants, children, and adolescents. Topics include measurement approaches, individual differences and contextual influences.

Prerequisite: PSY 620.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 625. Social Psychology. 3 Credit Hours.**

The major substantive areas and theories of social psychology. Emphasis on applications to students' own research field.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 631. Psychological Statistics, Research Methods, and Design. 3 Credit Hours.**

Statistics for experimental design with uncorrelated independent variables. Review of t-tests; designs and applications of analysis of variance; including one-way, factorial, repeated-measures, and mixed designs; post hoc comparisons among means.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 632. Multiple Regression. 3 Credit Hours.**

Analysis of the general linear model. Computer application of these techniques to the behavioral sciences. Design and measurement considerations.

Prerequisite: PSY 631.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 633. Structural Equation Modeling. 3 Credit Hours.**

Structural models, path analysis, measurement models, and confirmatory factor analysis, particularly related to hypotheses about causal relations, change over time, and comparisons across diverse populations.

Prerequisite: PSY 632.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 634. Multilevel Modeling. 3 Credit Hours.**

Multi-level modeling of nested and non-independent data. Application of multilevel modeling to social science and behavioral data, including computer laboratory exercises.

Prerequisite: PSY 632.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 636. Research Methods with Children and Adolescents. 3 Credit Hours.**

Concepts and research design approaches for the measurement and analysis of data across developmental stages from infancy through adolescence.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 638. Psychology of Infant Development. 3 Credit Hours.**

Theory, research, and methodology pertaining to psychological development in the first three years of life. Emphasis on both general developmental processes, and individual differences in cognitive, social, and emotional development.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 639. Autism and Developmental Disabilities. 3 Credit Hours.**

Developmental disabilities with an emphasis on autism. Biological, social, cognitive and emotional concomitants. History, etiology, assessment, and individual differences.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 640. Adult Psychopathology. 3 Credit Hours.**

Theories, models, history, and research relevant to various patterns of problematic behavior, with a focus on adults. The influences of family systems as well as cultural and other diversity factors (e.g., ethnicity, sexual orientation) are included.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 641. Psychopathology Across the Lifespan. 3 Credit Hours.**

Theories, models, and research relevant to the development and the course of emotional and behavioral disorders that emerge in childhood and adolescence and/or continue through adulthood. A clinical science perspective is used to discuss primary models of psychopathology etiology, including cultural and other diversity factors (e.g., ethnicity, sexual orientation).

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 642. Advanced Adult Psychopathology. 3 Credit Hours.**

Theory and research on risk factors and etiological models of mental disorders. Socioenvironmental (cultural, social support, life events), psychological (temperament, cognitive biases), and biological (genes, neurotransmitters) models of risk, research methodology, and design are discussed.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 643. Behavioral Medicine and Developmental Disabilities. 3 Credit Hours.**

Processes influencing diagnosis and management of developmental disabilities: genetics, embryology/fetology, physical growth and development, nutrition, hearing and speech pathology, family dynamics, cognition and psycho-educational assessment.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 645. Introduction to Psychological Evaluation. 3 Credit Hours.**

Measurement theory; introduction to the administration and interpretation of widely-used intelligence and personality tests, with attention to issues of ethics and diversity.

Requisite: Plan of Graduate Psychology.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 646. Psychological Evaluation of Adults. 3 Credit Hours.**

Administration, interpretation, and psychometric evaluation of psychological tools and procedures used in the evaluation of adult psychopathology. Attention to issues of ethics and diversity.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 647. Psychological Evaluation Across the Lifespan. 3 Credit Hours.**

Administration, interpretation, and psychometric evaluation of psychological tools and procedures used in the evaluation of children, adolescents, and adults. Attention to issues of ethics and diversity.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 648. Psychological Evaluation in Physical Disorders. 3 Credit Hours.**

Administration, interpretation, and psychometric evaluation of psychological tools and procedures used in the evaluation of physical disorders. Attention to issues of ethics and diversity.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 650. Laboratory in Clinical Psychology. 0 Credit Hours.**

Practical training in clinical skills such as assessment, interviewing, and case conceptualization. Laboratory to be used in conjunction with courses such as PSY 640 and PSY 645

**Components:** LAB.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 655. Evolution and Sex. 3 Credit Hours.**

A biological/evolutionary approach to the study of human sexuality and cognition. The evolution of sexual reproduction and the evolution of the two sexes. Initial discussions will introduce the theory of evolution by natural selection and address the different levels at which selection operates. Building on this foundation, the class will focus on why sex evolved and the myriad physiological and psychological adaptations that evolved as a consequence. Topics to be covered include sexual selection, mate selection, pregnancy, and parent-offspring conflict.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 656. Introduction to Evidence-Based Psychological Treatments. 3 Credit Hours.**

Theories, history, and techniques of psychological and behavioral therapies, with emphasis on evidence-based approaches.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 657. Introduction to Psychotherapy, Ethics, and Professional Issues. 3 Credit Hours.**

Introductory experience in clinical interviewing, therapeutic communication, ethics, and case conceptualization. Consideration of client-and-therapist culture, gender, and diversity are also emphasized.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 660. Evidence-Based Psychological Intervention with Children and Families. 3 Credit Hours.**

Theories, history, and techniques of psychological and behavioral therapies, with emphasis on evidence-based approaches with children, adolescents, and families. Understanding normative and deviant development, with attention to issues of diversity, ethics, and domestic violence.

Prerequisite: PSY 656.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 661. Interventions in Pediatric Psychology. 3 Credit Hours.**

Pediatric psychology and basic learning theory. Medical and behavioral aspects of child and adolescent health disorders, psychological assessment, and evidence-based treatment approaches.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 662. Health Psychology Interventions. 3 Credit Hours.**

Provides in-depth knowledge about clinical interventions and the practice of clinical health psychology. Students will become familiar with how to conduct evidence-based behavioral medicine interventions for care (living with a chronic or acute illness) and have an introduction to advanced clinical health psychology practice topics such as prevention, consultation/liaison work in the hospital setting, and models of supervision. We begin with theory and concepts that range across behavioral medicine interventions. This includes how to prepare clients for behavioral change, how to integrate techniques of motivational interviewing with cognitive-behavioral skills training, and working as a health psychology consultant in a medical setting (consultation/liaison work). We will then transition to specific weekly topics on example medical illnesses or prevention related behavioral change issues. A common theme will be working with the comorbidity of medical and psychological symptom management. From a clinical perspective, students will learn applied skills in the delivery of behavioral change interventions. From a research perspective, students will be exposed to state of the art methods for behavioral medicine intervention development ranging from conceptualization, pilot testing, efficacy, effectiveness, and implementation science. Additionally, because a major part of transitioning from student to scientist-practitioner involves life-long learning, the class will also involve regular critiques of empirical papers through class discussion and submission of thought questions. Note: this course is offered as part of the sequence for clinical health psychology PhD students. Other students interested in the class are encouraged to speak with the instructor before enrolling in the class.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 663. Measurement in Applied Behavior Analysis. 3 Credit Hours.**

A graduate-level 45-hour course that covers aspects of behavior analysis related to strategies and tactics of behavioral assessment, measurement, data display, and investigational design. In addition to covering task-list items related to measurement and single-case design in behavior analysis practice; we will read select articles from the Journal of Applied Behavior Analysis covering a variety of applications of behavioral principles. We will read from a selection of seminal articles in behavior analysis and current, contemporary research. We will evaluate the measurement and design strategies employed in the articles.

**Components:** DIS.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 664. Ethics and Professional Conduct in Behavior Analysis. 3 Credit Hours.**

This course provides an overview of ethics and professional conduct in the field of behavior analysis. The course will provide in-depth information on the BACB Professional and Ethical Compliance Code for Behavior Analysts. The course will cover professional issues related to responsible conduct of behavior analysts, behavior analysts' ethical responsibility to clients and colleagues, including issues related to assessment of behavior, development and implementation of behavior change programs, clinical supervision and mentoring, the profession of behavior analysis and the BACB, and the conducting and reporting of research. In accordance with the Behavior Analysis Certification Board (BACB), this course meets criteria for 30 instructional hours in the area of Ethical and Professional Conduct, 5 hours in the area of Intervention and Behavior Change Consideration 5 hours in the area of Behavior Change Systems and 5 hours in the area of Implementation, Management and Supervision.

**Components:** DIS.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 665. Advanced Topics in Applied Behavior Analysis. 3 Credit Hours.**

This course covers a number of advanced research and clinical issues relevant to the field of applied behavior analysis including, particularly as they relate to the field of developmental disabilities. The course will provide in-depth information related to the selection of appropriate interventions, including staying abreast of current research, critically interpreting research, considering individual client needs and developing treatment programs that are consistent with the science of applied behavior analysis. The course will additionally cover issues related to the implementation and management of clinical service provisions, including ensuring appropriate and accurate data collection, maintaining procedural fidelity and providing supervision and training. In accordance with the Behavior Analysis Certification Board (BACB), this course meets criteria for 15 instructional hours in the area of Measurement, 15 hours in the area of Experimental Design and 15 hours in the area of discretionary.

**Components:** DIS.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 666. Concepts and Principles of Applied Behavior Analysis. 3 Credit Hours.**

This course provides an introduction to Applied Behavior Analysis (ABA), which is the clinical application of behavioral science and learning theory towards the treatment of problematic behavioral and behavioral deficits. In this course, students will become familiar with the scientific foundations of behavioral science and the basic concepts and principles of behavior analysis. The course will emphasize terminology and definitions of behavioral concepts, as well as introduce the application of those concepts across a range of clinical scenarios. In accordance with the Behavior Analysis Certification Board (BACB), this course meets criteria for 45 instructional hours in the area of Concepts and Principles of Behavior Analysis.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 667. Assessment and Treatment of Language Learning. 3 Credit Hours.**

This course focuses on the application of behavior analysis toward the treatment of individuals exhibiting behavioral deficits or developmental delays. Throughout this course, students will acquire in-depth knowledge of behavioral analytic approaches for promoting the development of new skills and for supporting and maintaining those skills over time. Students will learn to prioritize target behaviors for clinical intervention as well as how to use applied behavior analytic techniques and procedures to develop effective treatment plans. Clinical and professional issues (e.g., fidelity of implementation, monitoring effectiveness) will also be discussed. In accordance with the Behavior Analysis Certification Board (BACB), this course meets criteria for 10 instructional hours in the area of Identification of the Problem and Assessment, 30 instructional hours in the area of Fundamental Elements of Behavior Change and Specific Behavior Change Procedures, and 5 instructional hours in the area of Behavior Change Systems.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 668. Functional Assessment and Function-Based Treatment. 3 Credit Hours.**

This course will focus on the application of behavior analysis toward the treatment of aberrant behavior. Throughout this course, students will acquire in-depth knowledge of behavior analytic approaches toward the assessment of aberrant behavior (e.g., functional behavioral assessment (FBA) and functional analysis). In addition, the course will focus on how behavior analysis use the results of a behavioral assessment to develop effective and ethical behavioral interventions to reduce aberrant behavior. Clinical and professional issues (e.g., fidelity of implementation, monitoring effectiveness) will also be discussed. In accordance with the Behavior Analysis Certification Board (BACB), this course meets criteria for 25 instructional hours in the area of Identification of the Problem & Assessment, 15 instructional hours in the area of Fundamental Elements of Behavior Changes and Specific Behavior Change Procedures and 5 instructional hours in the area of Intervention of Behavior Change Considerations.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 669. Professional Issues in Designing and Monitoring Interventions. 3 Credit Hours.**

This course covers a number of professional issues related to the competent and ethical delivery of applied behavior analysis services. The course will provide in-depth information related to the selection of appropriate interventions, including staying abreast of current research, critically interpreting research, considering individual client needs and developing treatment programs that are consistent with the science of applied behavior analysis. The course will additionally cover issues related to the implementation and management of clinical service provisions, including ensuring appropriate and accurate data collection, maintaining procedural fidelity and providing supervision and training. Finally, the course will provide information about the professional and ethical compliance code for behavior analysis, as outlined by the Behavior Analysis Certification Board (BACB). In accordance with the Behavior Analysis Certification Board (BACB), this course meets criteria for 15 instructional hours in the area of Ethical and Professional Conduct, 10 hours in the area of Measurement, 10 hours in the area of Experimental Design and 10 hours in the area of Implementation, Management and Supervision.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 670. Practicum in Clinical Psychology. 1-3 Credit Hours.**

Supervised experience in evaluating and treating psychological problems of children, adolescents, families, and/or adults behavior. For students placed at the U.M. Psychological Services Clinic there is a weekly case conference that focuses on ethics case conceptualization. Course may be repeated for credit.

**Components:** PRA.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 671. Practicum in Clinical Psychology II. 0 Credit Hours.**

Continuation of PSY 670.

Corequisite: PSY 645.

**Components:** LAB.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 672. Advanced Practicum in Clinical Psychology. 1-3 Credit Hours.**

Advanced experience in special clinical techniques and clinical supervision. Primarily for post-internship clinical students. The advisor may direct that PSY 672 be repeated, but no more than six credits may be applied toward a degree.

**Components:** PRA.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.



**PSY 673. Advanced Applications of Applied Behavior Analysis III. 3 Credit Hours.**

The purpose of this course is to provide students with supervised clinical experience in selecting, developing and implementing applied behavior analytic procedures and techniques. During this course, students will provide direct ABA services aimed at improving the behavioral functioning of individuals participating in ABA therapy. Experiential activities provided during this practicum course additionally focus on advanced professional issues in the design and implementation of ABA programs, so as to facilitate appropriate treatment selection, fidelity of implementation and systematic monitoring of treatment efficacy and providing training and feedback on performance. In accordance with the Behavior Analysis Certification Board (BACB), this course meets criteria for 168 hours of practicum experience.

**Components:** PRA.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 674. Applications of ABA in Development Disabilities. 3 Credit Hours.**

The purpose of this course is to provide students with supervised clinical experience in the application of behavior analysis toward the treatment of individuals with autism and developmental disabilities who exhibit problematic behavior, behavioral deficits or developmental delays participating in ABA therapy. During this course, students will provide direct ABA services aimed at reducing problematic behavior and promoting the development and maintenance of new skills. Experiential activities provided during this practicum course focus on functional assessment, the identification of meaningful treatment goals, identification of reinforcers via systematic assessment, and the implementation of ABA intervention techniques and programs to treat problematic behavior and behavioral and language deficits. In accordance with the Behavior Analysis Certification Board (BACB), this course meets criteria for 168 hours of practicum experience.

**Components:** PRA.

**Grading:** GRD.

**Typically Offered:** Summer.

**PSY 675. Advanced Applications of Applied Behavior Analysis II. 3 Credit Hours.**

The purpose of this course is to provide students with supervised clinical experience in selecting, and developing applied behavior analytic procedures and techniques for individuals with autism and developmental delay and providing clinical supervision to those implementing behavioral procedures. During this course, students will assist instructors in providing supervision to individuals who provide direct ABA services for individuals participating in ABA therapy. Experiential activities provided during this practicum course additionally focus on advanced professional issues in the design and implementation of ABA programs, so as to facilitate appropriate treatment selection, collection of data related to fidelity of implementation and systematic monitoring of treatment efficacy. In accordance with the Behavior Analysis Certification Board (BACB), this course meets criteria for 168 hours of practicum experience.

**Components:** PRA.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 676. Application of ABA: Principles and Concepts. 3 Credit Hours.**

The purpose of this course is to provide students with supervised clinical experience in selecting, developing and implementing applied behavior analysis procedures and techniques. During this course, students will provide direct ABA services aimed at improving the behavioral functioning of individuals participating in ABA therapy. Experiential activities provided during this practicum course focus on the application of basic principles and concepts in ABA, including the identification of behavioral targets, measuring behavioral, monitoring changes in behavior over time, and implementing reinforcement-based interventions. In accordance with the Behavior Analysis Certification Board (BACB), this course meets criteria for 168 hours of practicum experience.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 677. Application of the Assessment and Treatment of Language and Learning. 3 Credit Hours.**

The purpose of this course is to provide students with supervised clinical experience in the application of behavior analysis toward the treatment of individuals who exhibit behavioral deficits or developmental delays. During this course, students will provide direct ABA services aimed at promoting the development and maintenance of new skills. Experiential activities provided during this practicum course focus on the identification of meaningful treatment goals, identification of reinforcers via systematic assessment, and the implementation of ABA intervention techniques and programs to treat behavioral and language deficits. In accordance with the Behavior Analysis Certification Board (BACB), this course meets criteria for 168 hours of practicum experience.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 678. Capstone in Applied Behavior Analysis. 3 Credit Hours.**

This advanced practicum course is a culmination of all past coursework and practicum experience in the ABA Master's program. The course is designed to provide ABA graduate students with hands-on experience conducting and disseminating applied research to address a socially significant topic. Completion of the course requires a synthesis of a number of previously taught skills including consuming research, considering the ethics of the project, implementing behavior analytic change procedures, selecting an appropriate experimental design, measurement, graphing, and professional writing.

**Components:** PRA.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 679. Advanced Application of ABA. 3 Credit Hours.**

The purpose of this course is to provide students with supervised clinical experience in selecting, development and implementing applied behavior procedure and techniques. During this course, student will provide direct ABA services aimed at improving the behavioral functioning of individuals participation in ABA therapy. Experiential activities provided during this practicum course additionally focus on advanced professional issues in the design and implementation of ABA programs, so as to facilitate appropriate treatment selection, fidelity of implementation and systematic monitoring of treatment efficacy. In accordance with the Behavior Analysis Certification Board (BACB), this course meets criteria for 168 hours of practicum experience.

**Components:** PRA.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 680. Research. 1-4 Credit Hours.**

Investigation of an original problem.

**Components:** THI.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 681. Research. 1-4 Credit Hours.**

Investigation of an original problem.

**Components:** IND.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 683. Special Topics. 3 Credit Hours.**

Topics in selected areas of specialization.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 684. Readings in Psychology. 3 Credit Hours.**

Supervised readings in selected topics.

**Components:** THI.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 685. Seminar in Clinical Psychology. 3 Credit Hours.**

Content varies by semester.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 687. Seminar in Clinical Psychology. 3 Credit Hours.**

Content varies by semester.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 688. Seminar in Developmental Psychology. 3 Credit Hours.**

Content varies by semester.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 690. Seminar in Developmental Psychology. 3 Credit Hours.**

Content varies by semester.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 692. Seminar in Personality. 3 Credit Hours.**

Content varies by semester.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 693. Seminar in Behavioral Medicine. 3 Credit Hours.**

Content varies by semester.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 694. Seminar in Behavioral Medicine. 3 Credit Hours.**

Content varies by semester.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 696. Cognitive and Behavioral Neuroscience Journal Club. 1 Credit Hour.**

This 1-credit course will provide an opportunity for graduate students in the Cognitive and Behavioral Neuroscience Graduate Program within the psychology department to discuss recently published literature in the field. The course will consist of in-depth discussions held every week, led by graduate students and other trainees, on research articles and topics of their choice. Typically, discussion will alternate between an empirical article and a more advanced methods article every other week. A faculty member from the CBN program will organize the journal club, facilitate and guide discussion, provide clarification of key concepts, and evaluate student performance.

**Components:** DIS.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 697. Seminar in Biological Psychology, Neuroimaging in the Psychological Sciences I: Methods. 3 Credit Hours.**

Content varies by semester.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 698. Seminar in Quantitative Psychology. 3 Credit Hours.**

Content varies by semester.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**PSY 803. Internship in Clinical Psychology. 1 Credit Hour.**

A required full-time, 11-12 month-long Internship at an APA Internship site involves clinical training in assessment, diagnosis, case conceptualizations, treatment planning, and/or intervention strategies appropriate to specialization fulfills the requirements of PSY 803. The time span for the internship falls outside of the typical academic calendar, is typically about a year, and is dependent upon selection into an internship site. The internship is full-time (approximately 40 hours per week). Note: International students in F-1 status are required to obtain authorization for Curricular Practical Training (CPT) from the Department of International Student and Scholar Services (ISSS) prior to engaging in practical training. Practical training is defined as alternative work/study, internship, cooperative education, or any other type of required internship or practicum that is offered by sponsoring employers through cooperative agreements with the school.

**Components:** CLN.

**Grading:** GRD.

**Typically Offered:** Fall, Spring, & Summer.

**PSY 804. APA Accredited Internship in Clinical Psychology. 1 Credit Hour.**

A required full-time, 11-12 month-long internship at an APA Internship site involves clinical training in assessment, diagnosis, case conceptualizations, treatment planning, and/or intervention strategies appropriate to specialization fulfills the requirements of PSY 804. The time span for the internship falls outside of the typical academic calendar, is typically about a year, and is dependent upon selection into an internship site. The internship is full-time (approximately 40 hours per week). Note: International students in F-1 status are required to obtain authorization for Curricular Practical Training (CPT) from the Department of International Student and Scholar Services (ISSS) prior to engaging in practical training. Practical training is defined as alternative work/study, internship, cooperative education, or any other type of required internship or practicum that is offered by sponsoring employers through cooperative agreements with the school.

**Components:** CLN.

**Grading:** GRD.

**Typically Offered:** Fall, Spring, & Summer.

**PSY 805. Postdoctoral Practicum. 1-3 Credit Hours.**

Advanced clinical psychology training for individuals who have completed a clinical psychology Ph.D. or PsyD. from an APA-accredited doctoral program. Supervision of clinical activity by licensed faculty members.

**Components:** THI.

**Grading:** GRD.

**Typically Offered:** Fall, Spring, & Summer.

**PSY 806. Summer Research Practicum. 1 Credit Hour.**

Faculty-supervised research during the summer for students in the Psychology Ph.D. Program.

**Components:** THI.

**Grading:** GRD.

**Typically Offered:** Fall, Spring, & Summer.

**PSY 810. Master's Thesis. 1-6 Credit Hours.**

The student working on his/her master's thesis enrolls for credit, in most departments not to exceed six, as determined by his/her advisor. Credit is not awarded until the thesis has been accepted.

**Components:** THI.

**Grading:** SUS.

**Typically Offered:** Fall, Spring, & Summer.

**PSY 820. Research in Residence. 1 Credit Hour.**

Research in residence for the thesis for the master's degree after the student has enrolled for the permissible cumulative total in PSY 810 (usually six credits). Credit not granted. May be regarded as full time residence.

**Components:** THI.

**Grading:** GRD.

**Typically Offered:** Fall, Spring, & Summer.

**PSY 825. Continuous Registration--Master's Study. 1 Credit Hour.**

To establish residence for non-thesis master's students who are preparing for major examinations. Credit not granted. Regarded as full time residence.

**Components:** THI.

**Grading:** GRD.

**Typically Offered:** Fall, Spring, & Summer.

**PSY 830. Doctoral Dissertation. 1-12 Credit Hours.**

Required of all candidates for the Ph.D. The student will enroll for credit as determined by his/her advisor, but for not less than a total of 12 hours. Up to 12 hours may be taken in a regular semester, but not more than six in a summer session.

**Components:** THI.

**Grading:** SUS.

**Typically Offered:** Fall, Spring, & Summer.

**PSY 840. Post-Candidacy Doctoral Dissertation. 1-12 Credit Hours.**

Required of all candidates for the Ph.D. who have advanced to candidacy. The student will enroll for credit as determined by his/her advisor, but not for less than a total of 12. Not more than 12 hours of PSY 740 may be taken in a regular semester, nor more than six in a summer session.

**Components:** THI.

**Grading:** SUS.

**Typically Offered:** Fall, Spring, & Summer.

**PSY 850. Research in Residence. 1 Credit Hour.**

Used to establish research in residence for the Ph.D., after the student has been enrolled for the permissible cumulative total in appropriate doctoral research. Credit not granted. May be regarded as full-time residence as determined by the Dean of the Graduate School.

**Components:** THI.

**Grading:** SUS.

**Typically Offered:** Fall, Spring, & Summer.