

DEPARTMENT OF PSYCHOLOGY AND NEUROSCIENCE (GRAD)

The Department of Psychology and Neuroscience offers training for the doctor of philosophy degree in six areas of psychology: behavioral and integrative neuroscience, clinical, cognitive, developmental, quantitative, and social. Each program is designed to acquaint students thoroughly with the theoretical and research content of a particular specialty and to train them in the research skills needed to become competent, creative investigators in their specialty area. In addition, the programs focus on the development of competence in appropriate professional skills.

While many of the requirements for a Ph.D. degree vary with the specialty program, certain requirements apply to all psychology graduate students. Each student must

1. Engage in research during each year of enrollment
2. Pass a Ph.D. written examination
3. Pass a Ph.D. oral examination
4. Submit an acceptable dissertation and pass a final oral examination
5. In most cases, serve as a teaching assistant or teach a course for at least one academic year

Additional information about graduate training in these areas may be obtained from the department's website (<http://psychology.unc.edu/>). New students are accepted for admission in the fall semester only. Individuals seeking the M.A. degree only are not accepted.

Following the faculty member's name is a section number that students should use when registering for independent studies, reading, research, and thesis and dissertation courses with that particular professor.

Professors

Jonathan Abramowitz (231), Psychopathology, Prevention, and Treatment of Anxiety and Related Problems, Especially Obsessive-Compulsive Disorder

Sara Algoe (243), Role of Emotions in Social Interactions, Cumulative Influence of Positive Emotions

Jennifer Arnold (221), Psychological Processes Underlying Language Production and Comprehension in Both Adults and Children

Anna Bardone-Cone (239), Etiology and Maintenance of Bulimia Nervosa with Particular Interests in the Roles of Perfectionism, Self-Efficacy, and Stress; Sociocultural Factors (Race/Ethnicity, Family, Media) in Relation to Body Image and Eating Disorders; Defining "Recovery" from an Eating Disorder

Donald H. Baucom (104), Couple Therapy, Individual Psychopathology, and Couple Functioning; Health Concerns in a Couple/Family Context

Daniel Bauer (224), Structural Equation Models, Multilevel Models, Mixture Models, Analysis of Change

Charlotte Boettiger (234), Cognitive Neuroscience of Addiction, Executive Function, Functional Neuroimaging, Behavioral Pharmacology, Brain Mechanisms of Substance Abuse Treatments, Modulation of Decision Making by Genetics, Hormones, and Late Adolescent Development

Kenneth Bollen (270), Structural Equation Models, Longitudinal Methods, Latent Curve Models

Regina M. Carelli (187), Neurobiology of Reward, Drug Abuse, Behavioral Neurophysiology

Shauna Cooper (272), Cultural and Contextual Factors that Contribute to Positive Youth Development, African American Adolescents and Families

Patrick J. Curran (195), Structural Equation Modeling, Longitudinal Data Analysis, High-Risk Adolescent Development

Stacey Daughters (263), Addictive Disorders, Etiologic Predictors of Disorder Onset, and Predictors of Treatment Failure or Relapse; Distress Tolerance as an Individual Predictor

Barbara Fredrickson (229), Emotions; Positive Emotions; Social, Cognitive, and Physical Effects of Pleasant Emotional States; Flourishing Mental Health

Karen M. Gil (181), Health Psychology, Chronic Illness, Stress and Coping, Pain Management, Cancer Survivorship

Kelly Giovanello (232), Cognitive Neuroscience of Human Learning and Memory; Behavioral, Neuropsychological, and Functional Neuroimaging Studies of Relational Memory

Peter C. Gordon (180), Psychology of Language, Cognitive Neuroscience

Kurt Gray (235), Moral Psychology and Mind Perception, Structure of Morality, Emotional Experiences Relative to the Intentions of Others

Joseph B. Hopfinger (198), Neural Mechanisms of Visual Attention; Electrophysiological, Neuroimaging, and Eye-Tracking Studies of Attentional Control, Effects of Memory on Attention

Andrea M. Hussong (188), Adolescent Substance Use; Models of Peer, Family, and Affective Risk

Deborah Jones (223), Family Transmission of Mental and Physical Health in Underserved and At-Risk Families and the Development and Implementation of Family-Based Prevention and Intervention Programs for These Groups

Kristen Lindquist (240), Emotions and Affective Neuroscience, Basis of Human Emotion

Donald T. Lysle (155), Neuroimmunology, Neurobiology of Drug Abuse, Evolutionary Theory

Neil Mulligan (211), Cognitive Psychology, Human Memory, Implicit vs. Explicit Memory, Episodic Memory, Attention and Memory

Abigail T. Panter (144), Evaluation, Measurement, Advanced Quantitative Methods, Survey Methodology, Personality, Educational Diversity in Higher Education

Keith Payne (226), Social Cognition, Stereotyping, Prejudice, Emotions

David L. Penn (196), Social Cognition and Social Impairment in Schizophrenia, Stigma, Cognitive-Behavior Therapy for Severe Mental Illness

Mitch Prinstein (222), Developmental Psychopathology, Interpersonal Models of Adolescent Depression and Suicide, Peer Contagion of Health Risk Behaviors

Paschal Sheeran (267), Self-Regulation; How People Direct Their Own Thoughts, Feelings, and Behaviors to Achieve Their Goals

Eva Telzer (257), Adolescent Brain Development, Prosocial and Antisocial Behaviors, Family and Peer Relationships, and Long-Term Psychological Well-Being

Todd Thiele (203), Neurobiology and Genetics of Alcoholism, Conditioned Taste Aversion Learning, Food Intake and Body Weight Regulation

Eric Youngstrom (230), Bipolar Disorder across the Life Cycle, Emotions, Clinical Assessment, Developmental Psychopathology

Associate Professors

Carol Cheatham (199), Nutrition Individuality and Its Effects on the Development of Cognitive and Social Behaviors

Jessica Cohen (256), Functional Brain Network Interactions and Reconfigurations When Confronted With Changing Cognitive Demands

Sylvia Fitting (269), Drug Abuse and HIV-1 Comorbidity, Determining the Cellular, Structural, and Molecular Mechanisms Underlying Opioid Interaction with NeuroAIDS

Kathleen Gates (265), Development and Application of Advanced Statistical Models for the Analysis of Individual-Level Human Behavior and Processing, Novel Methodologies for Detecting Signal from Noise in Time-Series Functional MRI Data

Michael Hallquist (017), Borderline Personality Disorder, Personality Pathology, Computational Reinforcement Learning, Decision Neuroscience, Brain Development

Keely Muscatell (273), Social Experiences Influencing Physical Health and Emotional Well-Being, Incorporating Techniques from Social Neuroscience and Psychoneuroimmunology

Kathryn Reissner (266), Modifications of Cellular Dynamics and Synaptic Strength and Control of Behavior, Brain Changes Stemming from Chronic Exposure to Drugs of Abuse

Margaret Sheridan (271), Neural Mechanisms, Attention-Deficit and Hyperactivity Disorder in Early Childhood, Typical and Atypical Development of Prefrontal Cortex

Assistant Professors

Dan Christoffel (242), Circuit Mechanisms of Consummatory and Reward Behaviors, Experience-Dependent Plasticity, Physiology, Stress

Oscar Gonzalez (204), Statistical Mediation, Machine Learning/Data Mining, and Psychometrics

Annie Maheux (196), Sociocultural Influences on Adolescent Development; Intersection of Digital Technologies with Gender, Racial/Ethnic, and Sexual Identity

Dalal Safa (142), Antecedents and Consequents of Bicultural Identities and Competencies, Culture and Youth Development, Immigrant Adaptation, and Multiculturalism

Clinical Professors

Jennifer Kirby (214), Couple Therapy, Individual Psychopathology, and Couple Functioning; Health Concerns in a Couple/Family Context

Jenn Youngstrom (233), Empirically Supported Treatments and Effectiveness Research with Children and Adolescents, Transporting Treatments into the Community, Assessment, Treatment of Childhood Mood Disorders, Supervision and Training

Professors Emeriti

Elliot Cramer

David A. Eckerman

Samuel Fillenbaum

Mark Hollins

Chester A. Insko

Beth E. Kurtz-Costes

Robert C. MacCallum

David Penn

Paul Shinkman

David Thissen

Vaida D. Thompson

Erica Wise

PSYC

Advanced Undergraduate and Graduate-level Courses

PSYC 404. Clinical Psychopharmacology. 3 Credits.

This course will investigate the pharmacological effects and the clinical efficacy of drugs used to treat behavior disorders.

Rules & Requirements

Making Connections Gen Ed: PL.

Requisites: Prerequisite, PSYC 101.

Grading Status: Letter grade.

PSYC 430. Human Memory. 3 Credits.

This course explores classic and current issues in the study of human memory. Topics include working memory, encoding and retrieval processes, implicit memory, reconstructive processes in memory, eyewitness memory, developmental changes in memory, neuropsychology and neuroscience of memory and memory disorders, memory improvement, and the repressed/recovered memory controversy.

Rules & Requirements

Making Connections Gen Ed: PL.

Requisites: Prerequisites, PSYC 101, and 222 or 230.

Grading Status: Letter grade.

PSYC 432. Psychology of Language. 3 Credits.

Recommended preparation, PSYC 230 or LING 101 or LING 400. This course examines the mental representations and cognitive processes that underlie the human ability to use language. Covers what people know about language, how they process it, and how people make inferences about the speaker's meaning based on context. Recent work in experimental psycholinguistics is discussed.

Rules & Requirements

Requisites: Prerequisite, PSYC 101.

Grading Status: Letter grade.

PSYC 433. Behavioral Decision Theory. 3 Credits.

Simple mathematical and psychological models of judgment and choice, and related experiments, are treated, as are applications to real world problems in medical, environmental, policy, business, and related domains.

Rules & Requirements

Making Connections Gen Ed: PL.

Requisites: Prerequisite, PSYC 101.

Grading Status: Letter grade.

PSYC 435. Gender and Pronouns. 3 Credits.

This course offers an inside look at pronouns from an interdisciplinary perspective. From a cognitive perspective, we examine major models of the role that pronouns play, and the mental processes involved in using them. From a social perspective, we examine the role pronouns play in marking gender identity, and how both language usage and gender concepts are currently in flux. Students also learn about research methods and conduct a novel empirical study.

Rules & Requirements

Making Connections Gen Ed: SS.

Requisites: Prerequisite, PSYC 101.

Grading Status: Letter grade.

 **PSYC 438. Research Topics in the Psychology of Language. 3 Credits.**

Examines the cognitive mechanisms behind language comprehension, focusing on how we make predictions about the speaker's meaning, based on context, background, gestures, and other cues. In this course-based undergraduate research experience (CURE), groups of students generate novel research questions, perform their own research experiments, and present the results in spoken and written format.

Rules & Requirements

 **IDEAs in Action Gen Ed:** FC-LAB, RESEARCH.

Making Connections Gen Ed: SS, CI, EE- Mentored Research.

Requisites: Prerequisites, PSYC 101; Recommended: PSYC 270 and any course in linguistics (PSYC 432, any LING course, or any course with a substantial linguistics component).

Grading Status: Letter grade.

PSYC 463. Development of Social Behavior and Personality. 3 Credits.

Developmental processes during early childhood as these relate to social behavior and personality.

Rules & Requirements

Making Connections Gen Ed: SS.

Requisites: Prerequisites, PSYC 101 and either PSYC 210 or 215.

Grading Status: Letter grade.

PSYC 467. The Development of Black Children. 3 Credits.

PSYC 210 or 215 recommended. A survey of the literature on the development of black children. Topics include peer and social relations, self-esteem, identity development, cognitive development, school achievement, parenting, family management, and neighborhood influences.

Rules & Requirements

Making Connections Gen Ed: SS.

Requisites: Prerequisites, PSYC 101 and 250.

Grading Status: Letter grade.

PSYC 468. Family as a Context for Development. 3 Credits.

Explores how the family influences children's development. Topics include family theories, genetics, family structure (e.g., single parents, working mothers, divorce), discipline, parent behavior and values and beliefs, fathers and ethnic diversity.

Rules & Requirements

Making Connections Gen Ed: SS.

Requisites: Prerequisites, PSYC 101, 250, and either PSYC 210 or 215.

Grading Status: Letter grade.

PSYC 469. Evolution and Development of Biobehavioral Systems. 3 Credits.

Examines the evolution and development of behavior patterns and their physiological substrates.

Rules & Requirements

Making Connections Gen Ed: PL.

Requisites: Prerequisites, BIOL 101 and PSYC 101, 210, or 215.

Grading Status: Letter grade.

PSYC 471. The Study of Adolescent Issues and Development. 3 Credits.

The developmental period of adolescence is studied from a multidisciplinary perspective. The course will distinguish among early, middle, and late adolescence and will cover several theoretical perspectives.

Rules & Requirements

Requisites: Prerequisites, PSYC 101, 250, and either PSYC 210 or 215.

Grading Status: Letter grade.

PSYC 474. Digital Mental Health. 3 Credits.

This course will provide an overview of the use of digital technologies to increase opportunities for training in, access to, and use of evidence-based mental health services. Coverage will include the current status of and future directions in research, innovations in service delivery, and policy implications. Special attention will be given to the evolution of the field, the potential costs and benefits, and the promise to address health disparities in particular.

Rules & Requirements

Requisites: Prerequisite, PSYC 101.

Grading Status: Letter grade.

PSYC 490. Current Topics in Psychology. 3 Credits.

Various special areas of psychological study, offered as needed. Course may be repeated for credit. Honors version available.

Rules & Requirements

Repeat Rules: May be repeated for credit; may be repeated in the same term for different topics; 12 total credits. 2 total completions.

Grading Status: Letter grade.

 **PSYC 493. Internship in Psychology. 3 Credits.**

Required preparation, minimum of two other psychology courses and junior/senior standing. Designed for highly motivated psychology majors interested in exploring professional opportunities in psychology-related areas. Students complete hands-on internships at community sites for approximately 120 hours across the semester. Students also attend a weekly one-hour class with other interns.

Rules & Requirements

 **IDEAs in Action Gen Ed:** HI-INTERN.

Making Connections Gen Ed: EE- Academic Internship.

Requisites: Prerequisite, PSYC 101.

Grading Status: Letter grade.

PSYC 500. Developmental Psychopathology. 3 Credits.

A survey of theories bearing on atypical development and disordered behavior, and an examination of major child and adolescent behavior problems and clinical syndromes.

Rules & Requirements

Making Connections Gen Ed: SS.

Requisites: Prerequisites, PSYC 101, 245, and 250.

Grading Status: Letter grade.

PSYC 501. Theoretical, Empirical Perspectives on Personality. 3 Credits.

An in-depth coverage of the traditional clinically based personality theories of the early 20th century contrasted with more recent empirically based perspectives.

Rules & Requirements

Making Connections Gen Ed: SS.

Requisites: Prerequisite, PSYC 101.

Grading Status: Letter grade.

PSYC 502. Psychology of Adulthood and Aging. 3 Credits.

A developmental approach to the study of adulthood, from young adulthood through death. Topics include adult issues in personality, family dynamics, work, leisure and retirement, biological and intellectual aspects of aging, dying, and bereavement.

Rules & Requirements

Making Connections Gen Ed: SS.

Requisites: Prerequisites, PSYC 101 and 250.

Grading Status: Letter grade.

PSYC 503. African American Psychology. 3 Credits.

This course examines race and culture in the psychological processes and behavior of African Americans.

Rules & Requirements

Making Connections Gen Ed: SS, US.

Requisites: Prerequisite, PSYC 101.

Grading Status: Letter grade.

PSYC 504. Health Psychology. 3 Credits.

An in-depth coverage of psychological, biological, and social factors that may be involved with health.

Rules & Requirements

Making Connections Gen Ed: PL.

Requisites: Prerequisites, PSYC 101 and 245.

Grading Status: Letter grade.

PSYC 505. Sports and Performance Psychology. 3 Credits.

This course examines the mental health and psychological factors that impact the performance of athletes. Furthermore, the mental health of sports fans, along with the physiological and psychological impact of being a spectator will be examined.

Rules & Requirements

Requisites: Prerequisite, PSYC 101, 242 or 245.

Grading Status: Letter grade.

PSYC 514. Mania and Depression. 3 Credits.

The social, developmental, and biological contributions to mania and depression are examined, as well as the impact of these moods on the brain, creativity, relationships, quality of life, and health.

Rules & Requirements

Requisites: Prerequisites, PSYC 101 and 245.

Grading Status: Letter grade.

PSYC 517. Addiction. 3 Credits.


PSYC 245 and 270 recommended but not required. This course will provide students with a comprehensive overview of the etiology and treatment of addiction, along with exposure to real-life stories of addiction.

Rules & Requirements

Making Connections Gen Ed: PL.

Requisites: Prerequisite, PSYC 101.

Grading Status: Letter grade.

 PSYC 518H. Creating Digital Tools for Positive Youth Development. 3 Credits.

In this upper-level course, students will learn about the interdisciplinary field of Positive Youth Development and create a digital tool to improve health, well-being, or developmental outcomes for youth through an intensive semester-long project.

Rules & Requirements

 IDEAs in Action Gen Ed: FC-CREATE.

Requisites: Prerequisite, PSYC 250.

Grading Status: Letter grade.

PSYC 525. Psychological Archival Data Science. 3 Credits.

This course addresses techniques in answering new questions with existing data. Students will learn about data from multiple perspectives: different data source and types, intended audiences, and visualization, analysis, and presentation formats. This will make students more savvy consumers as well as producers of data.

Rules & Requirements

Making Connections Gen Ed: CI, EE- Mentored Research, QI.

Requisites: Pre- or corequisites, PSYC 270 and 245.

Grading Status: Letter grade.

 PSYC 528. Clinical Research: Design, Analyze, Disseminate. 3 Credits.

Students work with a community partner to identify a research question related to our understanding and treatment of psychological health. Using an iterative scientific method, students collaborate to develop hypotheses, to prepare and analyze data, to propose interpretations of data, and to present their results to the public.

Rules & Requirements

 IDEAs in Action Gen Ed: RESEARCH.

Making Connections Gen Ed: EE- Mentored Research, QI.

Requisites: Prerequisites, PSYC 101 and either PSYC 210 or 215; Pre- or corequisite, PSYC 270.

Grading Status: Letter grade.

PSYC 530. Design and Interpretation of Psychological Research. 3 Credits.

Emphasis on the methodological principles underlying experimental and correlational research. Interaction of theory and practice in the design and interpretation of psychological studies. This is a course-based undergraduate research experience (CURE).

Rules & Requirements

Making Connections Gen Ed: PL, CI, EE- Mentored Research, QI.

Requisites: Prerequisites, PSYC 101 and 270.

Grading Status: Letter grade.

PSYC 531. Tests and Measurement. 3 Credits.

Basic psychometric theory underlying test construction and utilization. Detailed study of issues and instruments used in assessing intellectual functioning, educational progress, personality, and personnel selection.

Rules & Requirements

Making Connections Gen Ed: SS, QI.

Requisites: Prerequisites, PSYC 101, and either PSYC 210 or 215.

Grading Status: Letter grade.

PSYC 532. Quantitative Psychology. 3 Credits.

This course examines the science of quantitative psychology. Topics include the analysis of data, the design of questionnaires, and the assessment of psychological attributes, among others. Honors version available.

Rules & Requirements

Requisites: Prerequisite, PSYC 210, 215, SOCI 252, or STOR 155.

Grading Status: Letter grade.

PSYC 533. The General Linear Model in Psychology. 3 Credits.

Consideration of multiple regression and the general linear model in psychological research, including hypothesis testing, model formulation, and the analysis of observational and experimental data. Honors version available.

Rules & Requirements

Requisites: Prerequisite, ECON 400, PSYC 210, PSYC 215, SOCI 252 or STOR 155.

Grading Status: Letter grade.

PSYC 534. Introduction to Computational Statistics. 3 Credits.


Introduction to programming and the implementation of statistical techniques. Topics include data manipulation, graphical procedures, writing loops and functions, data simulation, use of regular expressions, and scraping data from the web.

Rules & Requirements

Making Connections Gen Ed: PL, QI.

Requisites: Prerequisite, PSYC 210, 215, SOCI 252, or STOR 155.

Grading Status: Letter grade.

 PSYC 535. Programming for Psychologists: Computational Tools for Psychological Research. 3 Credits.

In this course, we will cover fundamental coding practices and computational tools used frequently in psychology research. We will go over the basics of coding, how to present computer-based experiments, how to keep a digital lab notebook, univariate data analyses, and visualization through programming. Through this process, students will have the opportunity to develop and run a simple experiment from start to finish.

Rules & Requirements

 IDEAs in Action Gen Ed: FC-QUANT, FC-LAB, RESEARCH.

Making Connections Gen Ed: SS, QI.

Requisites: Prerequisite, PSYC 101; Pre- or corequisite, PSYC 210.

Grading Status: Letter grade.

PSYC 559. Applied Machine Learning in Psychology. 3 Credits.

As opposed to hypothesis-driven data analysis, machine learning takes an exploratory and predictive approach to data analysis. This course introduces machine learning approaches in psychology to identify important variables for prediction and uncover complex patterns in datasets, such as nonlinearity, interactions, or clusters. Classes include theoretical lectures and hands-on examples.

Rules & Requirements

Making Connections Gen Ed: SS.

Requisites: Prerequisites, PSYC 101, and either PSYC 210 or 215.

Grading Status: Letter grade.

PSYC 562. Psychology of Race and Racism. 3 Credits.

This course offers an overview of research investigating the psychological underpinnings and impacts of racialization, racism, and racial inequality. It will center research in social psychology, but will also feature work from other areas of psychology (e.g., developmental), as well as other social science disciplines (e.g., sociology, political science).

Rules & Requirements

Requisites: Prerequisites, PSYC 101, and either PSYC 210 or 215.

Grading Status: Letter grade.

PSYC 564. Interpersonal Relationships. 3 Credits.

PSYC 270 Recommended. This advanced course will comprehensively cover the social psychological literature on normally-developing interpersonal relationships, with implications for relationships with family, friends, co-workers, and romantic partners. This is a research-intensive course with a major aspect involving an independent research project to facilitate learning by doing.

Rules & Requirements

Making Connections Gen Ed: SS.

Requisites: Prerequisites, PSYC 101, 260, and either PSYC 210 or 215.

Grading Status: Letter grade.

PSYC 565. Stereotyping, Prejudice, and Discrimination. 3 Credits.

PSYC 270 recommended. Examines the determinants, functions, processes, and consequences of stereotyping, prejudice, and discrimination. Prospects for change are considered. Class presentations and participation required.

Rules & Requirements

Making Connections Gen Ed: SS.

Requisites: Prerequisites, PSYC 101, 260, and either PSYC 210 or 215.

Grading Status: Letter grade.

PSYC 566. Attitude Change. 3 Credits.

A detailed consideration of the theoretical issues in attitude and belief change.

Rules & Requirements

Requisites: Prerequisites, PSYC 101, 260, and either 210 or 215.

Grading Status: Letter grade.

PSYC 569. Practical Wisdom from Advanced Social Psychology. 3 Credits.

Surveys cutting-edge research across the field of social psychology and how it matters for everyday life. Topics include morality, mind perception, judgment and decision making, happiness, affective forecasting, emotion, relationships, negotiation, personality, free will, stress/health, and religion. Clear communication of research also emphasized through figures, presentations, and papers.

Rules & Requirements

Making Connections Gen Ed: SS.

Requisites: Prerequisites, PSYC 101, 260, and 270.

Grading Status: Letter grade.

PSYC 570. The Social Psychology of Self-Regulation. 3 Credits.

PSYC 270 recommended. An intensive review of self-regulation theory and research, focusing on the cognitive, motivational, and affective processes involved in goal commitment, monitoring, and overriding behavioral responses.

Rules & Requirements

Making Connections Gen Ed: SS.

Requisites: Prerequisites, PSYC 101, 260, and either PSYC 210 or 215.

Grading Status: Letter grade.

PSYC 571. Social Neuroscience. 3 Credits.

Social neuroscience is the study of how social processes and experiences are represented in and influence the structure and function of the brain. This course will focus primarily on functional magnetic resonance imaging (fMRI) studies of humans, though we will also discuss other brain imaging techniques and patient studies. Previously offered as NSCI 571.

Rules & Requirements

Making Connections Gen Ed: PL.

Requisites: Prerequisite, PSYC 220 or NSCI 175, PSYC 260 recommended.

Grading Status: Letter grade.

PSYC 572. Theoretical and Empirical Perspectives on Sex and Gender Differences. 3 Credits.

An in-depth examination of psychological research and theory pertaining to the influence of gender on the lives of men and women. In general, emphasis will be placed on understanding gender as a social psychological construct.

Rules & Requirements

Making Connections Gen Ed: SS.

Requisites: Prerequisites, PSYC 101 and 260.

Grading Status: Letter grade.

 **PSYC 573. Psychology of Women and Gender. 3 Credits.**

This course will discuss theories, methods, and empirical research findings on the physical, cognitive, emotional, and social aspects of the psychology of women, as well as topics such as feminist psychology, intersectionality, bias in psychological research, sexual orientation, sexuality, lifespan development, work, and health. Men and masculinity, the psychology of transgender persons, and a critique of the gender binary are also discussed.

Rules & Requirements

 **IDEAs in Action Gen Ed:** FC-POWER.

Requisites: Prerequisite, PSYC 101 or WGST 101.

Grading Status: Letter grade.

Same as: WGST 573.

PSYC 574. Science of Moral Understanding. 3 Credits.

Each of us is committed to our moral values and often struggle to understand those who with different beliefs. This course will focus on difficult moral disagreements (e.g., abortion, euthanasia), using social psychology and related disciplines to reveal the basis of our moral judgments, the drivers of moral divides, and how best to bridge them. We will cover both theory and application, and practice having constructive dialogue and civil disagreement to forge moral understanding.

Rules & Requirements

Making Connections Gen Ed: PH.

Requisites: Prerequisites, PSYC 101, and 260.

Grading Status: Letter grade.

PSYC 575. Positive Psychology. 3 Credits.

This course examines positive psychology, also called the science of thriving. One basic premise of positive psychology is that thriving individuals and thriving communities require the presence and interplay of positive emotions, positive relationships, and positive meaning. A second basic premise is that thriving does not result simply by curing pathology and eliminating problems. Rather, thriving requires building and capitalizing on human strengths and capacities. Students will apply course concepts in their everyday lives.

Rules & Requirements

Making Connections Gen Ed: SS.

Requisites: Prerequisite, PSYC 101.

Grading Status: Letter grade.

PSYC 601. Psychology and Law. 3 Credits.

Examines the legal system from the perspective of psychology methods and research, with a focus on criminal law. Discusses dilemmas within the law and between the legal system and psychology.

Rules & Requirements

Requisites: Prerequisites, PSYC 101, and either PSYC 210 or PSYC 215.

Grading Status: Letter grade.

PSYC 602. Evolutionary Psychology. 3 Credits.

Major topics of general psychology are examined from an evolutionary perspective with an emphasis on empirical studies asking why much current human behavior and experience would have been adaptive for our early ancestors.

Rules & Requirements

Requisites: Prerequisite, PSYC 101.

Grading Status: Letter grade.

 **PSYC 693H. Honors in Psychology I. 3 Credits.**

To be taken in the fall of the last year of studies as the first course in the two-semester honors sequence. Students conduct research under the direction of a faculty advisor and receive classroom instruction in research-related topics.

Rules & Requirements

 **IDEAs in Action Gen Ed:** RESEARCH.

Making Connections Gen Ed: SS, CI, EE- Mentored Research.

Requisites: Prerequisites, A cumulative GPA of 3.3, at least one semester of PSYC/NSCI 395 or the approved equivalent, and acceptance into the Psychology or Neuroscience Senior Honors Program; PSYC/NSCI 693H must be taken in the first semester of the last year of studies.

Grading Status: Letter grade.

PSYC 694H. Honors in Psychology II. 3 Credits.

This course comprises the second semester in the two-semester sequence of Senior Honors in Psychology/Neuroscience. There are two components to the course: research that you will conduct under the direction of your faculty thesis advisor, and this class, which you will attend with the other senior honors students to learn about research-related topics and receive consultations with the instructor and your classmates. Admission to the psychology honors program required.

Rules & Requirements

IDEAs in Action Gen Ed: RESEARCH.

Making Connections Gen Ed: SS, CI, EE- Mentored Research.

Requisites: Prerequisites, A cumulative GPA of 3.3, completion of PSYC/NSCI 693H, at least one semester of PSYC/NSCI 395 or the approved equivalent, and acceptance into the Psychology or Neuroscience Senior Honors Program; PSYC/NSCI 694H must be taken in the second semester of the last year of studies.

Grading Status: Letter grade.

Graduate-level Courses**PSYC 701. Brain & Behavior I. 3 Credits.**

Graduate standing required. A survey of psychological and biological approaches to the study of sensory and perceptual information processing, with an emphasis on touch and pain.

Rules & Requirements

Grading Status: Letter grade.

Same as: NBIO 701A.

PSYC 702. Brain & Behavior II. 3 Credits.

A survey of psychological and biological approaches to the study of basic learning and higher integrative processing.

Rules & Requirements

Grading Status: Letter grade.

Same as: NBIO 702A.

PSYC 703. Advanced Biological Psychology: Central Nervous System. 3 Credits.

Each fall one special topic will be covered in depth (e.g., neural bases of memory storage, homeostasis, and perception). Format includes lectures and seminar meetings with student presentations.

Rules & Requirements

Requisites: Prerequisite, PSYC 402.

Grading Status: Letter grade.

Same as: NBIO 703.

PSYC 704. Applications of Experimental Psychology to Health Research. 3 Credits.

This course provides a critical analysis of interdisciplinary research within experimental psychology, including such topics as psychopharmacology, psychoneuroimmunology, psychophysiology, and animal models of brain/behavior disorders.

Rules & Requirements

Grading Status: Letter grade.

Same as: NBIO 704.

PSYC 705. Behavioral Pharmacology. 3 Credits.

Basic principles of pharmacology and behavior analysis are considered in relation to drugs that affect the central nervous system.

Rules & Requirements

Requisites: Prerequisite, PSYC 404; permission of the instructor for students lacking the prerequisite.

Grading Status: Letter grade.

Same as: NBIO 705, PHCO 705.

PSYC 707. Clinical Psychopharmacology. 3 Credits.

Examinations of the clinical efficacy, side effects, and neuropharmacological actions of drugs used in the treatment of behavioral disorders. Additional topics include the behavioral and neuropharmacological actions of drugs of abuse.

Rules & Requirements

Grading Status: Letter grade.

PSYC 708. Research Design and Statistics in Neuroscience. 3 Credits.

Limited to graduate students in psychology, neuroscience, and neurobiology. Experimental design, hypothesis testing, power analyses, ANOVAs, regression, correlations. Hands on data analysis with you being able to use your own data sets. Analyses will be conducted with SPSS and Prism. Permission of the instructor.

Rules & Requirements

Repeat Rules: May be repeated for credit.

Grading Status: Letter grade.

Same as: NBIO 708.

PSYC 709. Seminar in Theoretical-Experimental Psychology. 1-3 Credits.

Lectures, discussions, and seminar presentations on current topics in experimental psychology.

Rules & Requirements

Grading Status: Letter grade.

PSYC 719. Seminar in Experimental Health Psychology. 3 Credits.

An in-depth treatment of research topics in behavioral and biological aspects of health psychology.

Rules & Requirements

Grading Status: Letter grade.

PSYC 720. Research Seminar in Addiction Science I. 3 Credits.

Graduate standing in psychology required. Students design and conduct a supervised research project and engage in critical discussion of research performed by other students and faculty.

Rules & Requirements

Repeat Rules: May be repeated for credit.

Grading Status: Letter grade.

PSYC 721. Research Seminar in Addiction Science II. 3 Credits.

Graduate standing in psychology required. Students design and conduct a supervised research project and engage in critical discussion of research performed by other students and faculty.

Rules & Requirements

Repeat Rules: May be repeated for credit.

Grading Status: Letter grade.

PSYC 738. Neurons to Neighborhoods: Contributions to Neurobiological Development and Behavioral Consequences. 3 Credits.

This course provides an overview of what the field of human neuroscience has revealed about neural structure and function with an eye to examining individual differences. Current knowledge about the neural mechanisms supporting cognitive and emotional function will be investigated in depth through chapters, review articles, and empirical studies.

Rules & Requirements

Grading Status: Letter grade.

PSYC 739. Cognitive Neuroscience. 3 Credits.

This course will highlight recent research regarding the cognitive and neural architecture of human memory or attention, with the emphasis placed on studies using cognitive neuroscience methods (e.g. fMRI, EPRs).

Rules & Requirements

Repeat Rules: May be repeated for credit.

Grading Status: Letter grade.

PSYC 740. Seminar in Cognitive Psychology. 3 Credits.

Permission of the instructor. Discussion and critical evaluation of various theories of thinking; theories of concept formation, problem solving, and reasoning.

Rules & Requirements

Repeat Rules: May be repeated for credit.

Grading Status: Letter grade.

PSYC 741. Professional Development for Careers in Research. 3 Credits.

Graduate standing required. This course covers research strategies, research collaboration, giving talks, writing review papers, writing research reports, the peer-review editorial process, the grant-proposal process, the academic job search process, and nonacademic career.

Rules & Requirements

Grading Status: Letter grade.

PSYC 742. Attention. 3 Credits.

Graduate standing in psychology required. This course will introduce the major issues in attention research and highlight recent work examining the neural mechanisms of attention and its interactions with other cognitive and social-cognitive processes.

Rules & Requirements

Grading Status: Letter grade.

PSYC 743. Cognitive Aging. 3 Credits.

This course examines theories of human cognitive aging and how these theories seek to explain age-group differences in various domains of cognitive functioning (e.g., episodic memory, language, judgment).

Rules & Requirements

Grading Status: Letter grade.

PSYC 744. Psycholinguistics. 3 Credits.

Graduate standing in psychology required. This seminar addresses the mental processes underlying human's ability to use language at a number of levels. Specific topics vary.

Rules & Requirements

Grading Status: Letter grade.

PSYC 746. Seminar in Cognitive Psychology - Human Memory. 3 Credits.

Selective overview of topics in the study of human memory. Course will examine the findings from laboratory research to gain a better understanding of memory structure and organization.

Rules & Requirements

Grading Status: Letter grade.

PSYC 750. Research Seminar in Cognitive Psychology. 3 Credits.

Graduate standing in psychology required. Students conduct a supervised research project in cognitive psychology, and participate in discussion of current research and related ethical and methodological issues.

Rules & Requirements

Grading Status: Letter grade.

PSYC 751. Research Seminar in Cognitive Psychology. 3 Credits.

Graduate standing in psychology required. Students conduct a supervised research project in cognitive psychology, and participate in discussion of current research and related ethical and methodological issues.

Rules & Requirements

Repeat Rules: May be repeated for credit.

Grading Status: Letter grade.

PSYC 760. Advanced Cognitive Development. 3 Credits.

This course covers the development of attention, perception, learning, memory, thinking, and language, beginning in infancy and covering the life-span from both information processing and Baldwin-Piaget approaches.

Rules & Requirements

Grading Status: Letter grade.

PSYC 761. Advanced Social Development. 3 Credits.

Current thinking and research relevant to social, emotional, and personality development across the life span. Topics include parent-child interaction, peer relations, aggression, competence, sex roles, and gender differences.

Rules & Requirements

Grading Status: Letter grade.

PSYC 762. Developmental Psychology: Methodology I. 3 Credits.

Philosophical and sociological perspectives on research in developmental psychology, with specific applications to ongoing projects. As announced.

Rules & Requirements

Grading Status: Letter grade.

PSYC 763. Ethics and Professional Issues in Developmental Psychology. 3 Credits.

The purpose of this course is to provide an introductory knowledge base of ethical and professional issues that guide the field of Psychology, with specific focus on the field of Developmental Psychology.

Rules & Requirements

Grading Status: Letter grade.

PSYC 766. Developmental Psychobiology. 3 Credits.

Provides an introduction to psychobiological research, focusing on early development in animals. Topics include embryology, developmental neurobiology, the development of sensory and communication systems, and social behavior. As announced.

Rules & Requirements

Grading Status: Letter grade.

PSYC 767. Advanced Family Theory and Research. 3 Credits.

Research related to family processes, especially regarding the developmental consequences of varying family environments on children. Topics include divorce, cognitive development, single parents, parental employment, discipline, cultural context.

Rules & Requirements

Grading Status: Letter grade.

PSYC 768. Seminar in Developmental Psychology. 3 Credits.

Permission of the instructor. Intensive study of selected topics in developmental psychology.

Rules & Requirements

Repeat Rules: May be repeated for credit; may be repeated in the same term for different topics.

Grading Status: Letter grade.

PSYC 769. Development of the Social Brain. 3 Credits.

The goal of this course is to understand the neural systems that support development from childhood to adulthood by drawing on theories and methods from developmental and social psychology as well as cognitive neuroscience. We will draw upon research examining the brain bases underlying the development of various social behaviors including social relationships, social stress, antisocial behavior, self-perception, and social influence.

Rules & Requirements

Grading Status: Letter grade.

PSYC 780. Developmental Psychology Forum. 1 Credits.

Permission of the instructor. Presentations of research by faculty, students, and visitors; discussion of professional topics.

Rules & Requirements

Repeat Rules: May be repeated for credit.

Grading Status: Letter grade.

PSYC 781. Proseminar in Developmental Science. 3 Credits.

Intensive study of selected topics in human development that are being explored by members of the Carolina Consortium on Human Development staff. Permission of the instructor.

Rules & Requirements

Repeat Rules: May be repeated for credit.

Grading Status: Letter grade.

PSYC 790. History of Psychology. 3 Credits.

Review of the history of major areas of psychology, with special emphasis on the conceptual and methodological underpinnings of the discipline.

Rules & Requirements

Grading Status: Letter grade.

PSYC 791. Special Readings in Psychology. 3 Credits.

Permission of the instructor. Intended for advanced graduate students.

Rules & Requirements

Grading Status: Letter grade.

PSYC 792. Professional Problems in Psychology. 1 Credits.

Permission of the instructor. Consideration of problems facing academic psychologists.

Rules & Requirements

Grading Status: Letter grade.

PSYC 793. Laboratory in College Teaching. 1 Credits.

Specific training in presentational and interpersonal skills needed by college teachers, such as planning, lecturing, discussing, motivating, and evaluating.

Rules & Requirements

Repeat Rules: May be repeated for credit.

Grading Status: Letter grade.

PSYC 795. Functional Magnetic Resonance Imaging. 3 Credits.

This course provides a comprehensive and rigorous introduction to the technique of functional magnetic resonance imaging (fMRI). Students will learn the basic physics underlying MRI; the biological principles of fMRI, the principles of experimental design, data analysis, the use of available software packages, and special considerations for patient research.

Rules & Requirements

Grading Status: Letter grade.

PSYC 796. Seminar in Biomedical Imaging Science. 3 Credits.

This course serves as a gateway course to the Graduate Certificate in Biomedical Imaging Science. This course offers an introduction to the most common imaging modalities, including MR, CT, PET, SPECT, ultrasound, and optical imaging. Lectures include discussions of hardware, physics, as well as pre-clinical and clinical applications.

Rules & Requirements

Grading Status: Letter grade.

Same as: BMME 796.

PSYC 803. Empirically Validated Approaches to Child and Family Psychotherapy. 3 Credits.

Graduate status in clinical psychology required. This course covers the research bases and clinical application of psychotherapeutic interventions that have demonstrated empirical validity for assisting children and families.

Rules & Requirements

Grading Status: Letter grade.

PSYC 804. Empirically Validated Approaches to Adult Psychotherapy. 3 Credits.

Graduate status in clinical psychology required. This course covers the research bases and clinical application of psychotherapeutic interventions that have demonstrated empirical validity for assisting adult clients.

Rules & Requirements

Grading Status: Letter grade.

PSYC 806. Clinical Research Methods. 3 Credits.

Graduate status in clinical psychology required. Analysis of clinical and personality research in terms of their contribution to knowledge, their limitations, possibilities for their improvement, further research they suggest, etc. Preparation of individual research proposals for class presentation and critical evaluation. Three hours a week.

Rules & Requirements

Grading Status: Letter grade.

PSYC 807. Clinical Research Seminar. 1 Credits.

Graduate standing in clinical psychology required. Designing and presenting research proposals in individual students' research areas in oral and written form. Critiquing research proposals. Research ethics and preparing and evaluating protocols for ethical review.

Rules & Requirements

Requisites: Prerequisite, PSYC 806.

Repeat Rules: May be repeated for credit.

Grading Status: Letter grade.

PSYC 809. Adult Psychopathology. 3 Credits.

First-year graduate status in clinical psychology required. The major forms of psychopathology are examined within a development framework.

Rules & Requirements

Grading Status: Letter grade.

PSYC 810. Developmental Psychopathology. 3 Credits.

First-year graduate status in clinical psychology required. The major forms of psychopathology are examined within a development framework.

Rules & Requirements

Grading Status: Letter grade.

PSYC 811. Adult Practicum. 3 Credits.

Second-year graduate status in clinical psychology required. Supervised experience in psychological assessment and psychotherapy. Six to eight laboratory hours a week.

Rules & Requirements

Repeat Rules: May be repeated for credit.

Grading Status: Letter grade.

PSYC 812. Child and Adolescent Practicum. 3 Credits.

Second-year graduate status in clinical psychology required. Supervised experience in psychological assessment and psychotherapy. Six to eight laboratory hours a week.

Rules & Requirements

Grading Status: Letter grade.

PSYC 813. Advanced Adult Assessment. 3 Credits.

Graduate standing in clinical psychology required. Consideration of how various forms of assessment data can be utilized in understanding the structure and dynamics of adult personalities; problems of differential diagnosis, brain damage, etc., are also considered. Two lecture and two laboratory hours a week.

Rules & Requirements

Grading Status: Letter grade.

PSYC 814. Assessment Across the Lifespan. 3 Credits.

Theory, research, and application of objective and projective techniques for behavioral, emotional, psychiatric, interpersonal, and social cognitive assessment of cases across the lifespan (e.g., child, adolescent, adult). Two lecture and two laboratory hours a week.

Rules & Requirements

Grading Status: Letter grade.

PSYC 815. Ethics and Practice in Clinical Psychology. 3 Credits.

Graduate standing in clinical psychology required. A survey and discussion of the ethical and legal issues that clinical psychologists confront in a variety of professional settings.

Rules & Requirements

Grading Status: Letter grade.

PSYC 817. Advanced Adult Practicum and Professional Ethics. 3 Credits.

Supervised clinical work in an area of particular interest to the student. Clinical activity is coordinated with reading and discussion of literature or professional ethics.

Rules & Requirements

Requisites: Prerequisites, PSYC 811 and 812.

Repeat Rules: May be repeated for credit; may be repeated in the same term for different topics.

Grading Status: Letter grade.

PSYC 818. Advanced Child/Adolescent Practicum and Professional Ethics. 3 Credits.

Individualized clinical practicum for advanced doctoral students in clinical psychology. Supervised experience in psychotherapy, psychological assessment, and consultation. May be repeated for credit.

Rules & Requirements

Requisites: Prerequisite, PSYC 817.

Repeat Rules: May be repeated for credit; may be repeated in the same term for different topics.

Grading Status: Letter grade.

PSYC 819. Foundations of Clinical Neuroscience. 3 Credits.

This course will survey contemporary neuroscience approaches to understanding mental illness, including mood, anxiety, and personality disorders, as well as addiction. We will also discuss the role of neurodevelopment and stress in the etiology of psychopathology. Students will become familiar with empirical studies encompassing animal models, computational models, and systems and molecular neuroscience. Finally, we will consider the tensions and synergies between psychological and neurobiological approaches to mental illness.

Rules & Requirements

Grading Status: Letter grade.

PSYC 821. Affective Science and The Study of Change in Individuals. 3 Credits.

This course provides a foundation in affect, emotion, mood, and emotion regulation in theory and empirical findings, followed by a review of the tools needed to study change in individuals. Students will master a broad overview of current thinking on affect, emotion, mood, and emotion regulation. They will then learn about methods for studying change affect or emotion in individuals and propose a research project using what they have learned in the class.

Rules & Requirements

Requisites: Prerequisite, Graduate Standing.

Grading Status: Letter grade.

PSYC 822. Seminar in Clinical Psychology. 1-3 Credits.

Lectures, discussions, and seminar presentations on current topics in clinical psychology.

Rules & Requirements

Grading Status: Letter grade.

PSYC 823. Clinical Supervision and Consultation: Theory, Research, and Practice. 3 Credits.

This course will familiarize fourth year clinical psychology doctoral students with methods and models of clinical supervision and consultation in an ethical and multicultural context. Includes a didactic seminar component and an applied supervision training component. Restricted to fourth year doctoral students in clinical psychology.

Rules & Requirements

Repeat Rules: May be repeated for credit. 3 total credits. 1 total completions.

Grading Status: Letter grade.

PSYC 825. Advanced Clinical Practicum. 1-3 Credits.

Individualized clinical practicum for advanced doctoral students in clinical psychology, namely: supervised experience in psychotherapy, psychological assessment, and consultation. Practicum experience is paired with a seminar within the academic program of the clinical psychology doctoral program to discuss external community practicum experiences and relate these to academic coursework and earlier clinical training.

Rules & Requirements

Requisites: Prerequisite, PSYC 811 or PSYC 812.

Repeat Rules: May be repeated for credit.

Grading Status: Letter grade.

PSYC 827. Multiculturalism and Clinical Psychology. 3 Credits.

Graduate standing in psychology and permission of the instructor. The development and format of this course is guided by current "best practice" in multicultural education in emphasizing three overriding goals: awareness and changes in attitudes and beliefs.

Rules & Requirements

Grading Status: Letter grade.

PSYC 828. Child/Adolescent Assessment Practicum. 1 Credits.

Graduate standing in psychology and permission of the instructor. This course provides students with an opportunity to integrate their academic foundation in clinical psychology assessment knowledge skills, ethics, and values in an applied practice setting with diverse clients.

Rules & Requirements

Repeat Rules: May be repeated for credit.

Grading Status: Letter grade.

PSYC 829. Clinical Psychological Assessment. 3 Credits.

Introduction to the principles and practices of evidence-based assessment for clinical psychology.

Rules & Requirements

Grading Status: Letter grade.

PSYC 830. Statistical Methods in Psychology I. 4 Credits.

Required preparation, a course in introductory statistics. Data analysis, sampling, applied probability, elementary distribution theory, principles of statistical inference.

Rules & Requirements

Grading Status: Letter grade.

PSYC 831. Statistical Methods in Psychology II. 4 Credits.

Statistical estimation and hypothesis testing for linear models (ANOVA, ANCOVA, regression analysis); statistical models in the design and analysis of experiments.

Rules & Requirements

Requisites: Prerequisite, PSYC 830.

Grading Status: Letter grade.

PSYC 833. Intra-individual Analysis. 3 Credits.

This course is designed for graduate students seeking training in quantitative methods for analyzing a range of data often encountered in psychological and neural sciences studies where numerous observations are collected across time per individual. This data enables the possibility for intra-individual variability analysis (IVA), or how to quantitatively describe individuals' dynamic process.

Rules & Requirements

Requisites: Prerequisites, PSYC 830 and 831; Recommended preparation, structural equation modeling, and permission of instructor.

Grading Status: Letter grade.

PSYC 834. Machine Learning. 3 Credits.

This course is an introductory seminar on the theory and application of machine learning to data analysis. A lot of research in psychology has focused on hypothesis-driven, explanatory approaches to data analysis. Machine learning could supplement a researcher's analytic toolbox to explore patterns and assess the predictive value of various combinations of variables on an outcome.

Rules & Requirements

Requisites: Prerequisites, PSYC 830 and PSYC 831.

Grading Status: Letter grade.

PSYC 838. Regression Models with Categorical Dependent Variables. 3 Credits.

The goal of the course is to provide a firm foundation in the regression analysis of binary, ordinal, nominal, or count dependent variables. In addition, the course provides helpful background to those using other methods with categorical outcomes (e.g., item response theory, structural equation models). Students should have a solid background in OLS regression analysis and some familiarity with matrix notation.

Rules & Requirements

Grading Status: Letter grade.

PSYC 839. Quantitative Research Methods. 3 Credits.

Quantitative Research Methods explores the many dimensions of experimental and quasi-experimental design in the psychological sciences with a specific focus on topics that commonly arise in quantitative research. Exemplar topics include true- and quasi-experimental design, causal inference, sampling, randomization, self-selection, Monte Carlo computer simulation design, internal and external validity, and ethics.

Rules & Requirements

Requisites: Prerequisites, PSYC 830 and 831; Permission of the instructor for students lacking the prerequisite.

Grading Status: Letter grade.

PSYC 840. Computational Statistics. 3 Credits.

Current computational environments for data analysis and visualization are taught and used as a basis for understanding current (and creating new) methods of computational statistics and dynamic statistical graphics.

Rules & Requirements

Requisites: Prerequisite, PSYC 831; permission of the instructor for students lacking the prerequisite.

Grading Status: Letter grade.

PSYC 842. Test Theory and Analysis. 3 Credits.

Survey of classical test theory and more recent developments in item analysis and test construction.

Rules & Requirements

Requisites: Prerequisite, PSYC 831.

Grading Status: Letter grade.

PSYC 843. Factor Analysis. 3 Credits.

Advanced topics in factor analytic models, multivariate correlational models, and analysis of covariance structures as applied in behavioral research.

Rules & Requirements

Requisites: Prerequisite, PSYC 831; permission of the instructor for students lacking the prerequisite.

Grading Status: Letter grade.

PSYC 844. Structural Equation Modeling. 3 Credits.

Examination of a wide range of topics in covariance structure models, including their history, underlying theory, controversies, and practical use with major computer packages.

Rules & Requirements

Requisites: Prerequisite, PSYC 831; permission of the instructor for students lacking the prerequisite.

Grading Status: Letter grade.

PSYC 845. Longitudinal Structural Equation Modeling. 3 Credits.

Latent curve modeling is a structural equations-based method for analyzing longitudinal data. Equal emphasis is placed on the statistical model and applications to real data.

Rules & Requirements

Grading Status: Letter grade.

PSYC 846. Multilevel Modeling. 3 Credits.

This course demonstrates how multilevel models (or hierarchical linear models) can be used to appropriately analyze clustered data (i.e. persons within groups) and/or repeated measures data in psychological research.

Rules & Requirements

Requisites: Prerequisites, PSYC 830 and 831.

Grading Status: Letter grade.

PSYC 847. Advanced Topics in Quantitative Psychology: Measurement. 1 Credits.

This is a one-credit hour seminar focused on contemporary topics in advanced quantitative psychology with a focus on psychometrics and measurement.

Rules & Requirements

Requisites: Prerequisites, PSYC 830 and 831; Permission of the instructor for students lacking the prerequisites.

Repeat Rules: May be repeated for credit; may be repeated in the same term for different topics; 3 total credits. 3 total completions.

Grading Status: Letter grade.

PSYC 848. Advanced Topics in Quantitative Psychology: Modeling. 1 Credits.

This is a one-credit hour seminar focused on contemporary topics in advanced quantitative psychology with a focus on statistical and mathematical modeling.

Rules & Requirements

Requisites: Prerequisites, PSYC 830 and 831; Permission of the instructor for students lacking the prerequisite.

Repeat Rules: May be repeated for credit; may be repeated in the same term for different topics; 3 total credits. 3 total completions.

Grading Status: Letter grade.

PSYC 849. Advanced Topics in Quantitative Psychology: Computation. 1 Credits.

This is a one-credit hour seminar focused on contemporary topics in advanced quantitative psychology with a focus on computational statistics.

Rules & Requirements

Requisites: Prerequisites, PSYC 830 and 831; Permission of the instructor for students lacking the prerequisite.

Repeat Rules: May be repeated for credit. 3 total credits. 1 total completions.

Grading Status: Letter grade.

PSYC 850. Quantitative Psychology Forum. 1 Credits.

Presentations of research by faculty, students, and visitors; discussion of professional topics such as ethics, the publication process, research funding, and the reviewing of articles.

Rules & Requirements

Repeat Rules: May be repeated for credit.

Grading Status: Letter grade.

PSYC 859. Seminar in Quantitative Psychology. 1-3 Credits.

Lectures, discussions, and seminar presentations on current topics in quantitative psychology.

Rules & Requirements

Repeat Rules: May be repeated for credit; may be repeated in the same term for different topics.

Grading Status: Letter grade.

PSYC 860. Directed Research Seminar in Social Psychology. 3 Credits.

Graduate status in social psychology or permission of the instructor. Directed research problems and seminar discussion of related issues.

Rules & Requirements

Repeat Rules: May be repeated for credit.

Grading Status: Letter grade.

PSYC 861. Directed Research Seminar in Social Psychology. 3 Credits.
First-year graduate status in social psychology or permission of the instructor. Directed research problems and seminar discussion of related issues.

Rules & Requirements

Grading Status: Letter grade.

PSYC 862. Advanced Social Psychology. 3 Credits.

Intensive study of interdependence theory and research of interpersonal relationships.

Rules & Requirements

Requisites: Prerequisite, PSYC 867; permission of the instructor for students lacking the prerequisite.

Grading Status: Letter grade.

PSYC 863. Methods of Social Psychology. 3 Credits.

Methods of investigation in social psychology, with primary emphasis upon experimental design and the nature of the experimental situation.

Rules & Requirements

Requisites: Prerequisite, PSYC 867; permission of the instructor for students lacking the prerequisite.

Grading Status: Letter grade.

PSYC 864. Topics in Attitude Research. 3 Credits.

A critical examination of selected topics in attitude theory and change.

Rules & Requirements

Requisites: Prerequisite, PSYC 867; permission of the instructor for students lacking the prerequisite.

Grading Status: Letter grade.

PSYC 865. Methods of Applied Social Psychology. 3 Credits.

Graduate standing required. Supervised research experience in an applied setting and accompanying methods of non-laboratory research, including nonquantitative methods of social psychology and evaluation of quasi-experimental and nonexperimental designs.

Rules & Requirements

Grading Status: Letter grade.

PSYC 866. Interpersonal Processes and Close Relationships. 3 Credits.

Intensive study of the processes by which adult close relationships are initiated and developed.

Rules & Requirements

Requisites: Prerequisite, PSYC 867; permission of the instructor for students lacking the prerequisite.

Grading Status: Letter grade.

PSYC 867. Advanced Survey of Social Psychology. 3 Credits.

Graduate standing or permission of the instructor. Survey of research and theories of attitude change, interpersonal relations, and small groups.

Rules & Requirements

Grading Status: Letter grade.

PSYC 868. Seminar in Social Psychology. 3 Credits.

Seminar in Social Psychology.

Rules & Requirements

Requisites: Prerequisite, PSYC 867; permission of the instructor for students lacking the prerequisite.

Grading Status: Letter grade.

PSYC 869. Advanced Social Cognition. 3 Credits.

Advanced theory and research in social psychology that explores the cognitive processes underlying social phenomena. Specific topics include attributions, emotions, heuristics, self, goals, motives, and others.

Rules & Requirements

Requisites: Prerequisite, PSYC 867; permission of the instructor for students lacking the prerequisite.

Grading Status: Letter grade.

PSYC 870. Psychology of Emotions. 3 Credits.

Graduate standing required. Seminar featuring research and theory on emotions. It stretches across traditional psychological subdisciplines because emotions are complex, multiply determined phenomena.

Rules & Requirements

Grading Status: Letter grade.

PSYC 871. Advanced Group Processes. 3 Credits.

Discusses both classic and contemporary theory and research related to group processes, including group performance, motivation, decision-making, social dilemmas, social justice, and other intragroup and intergroup phenomena.

Rules & Requirements

Requisites: Prerequisite, PSYC 867; permission of the instructor for students lacking the prerequisite.

Grading Status: Letter grade.

PSYC 872. Seminar in Political Psychology. 3 Credits.

Graduate standing required. This course surveys research in political psychology. Topics may include personality and politics, political values and attitudes, voter behavior, candidate evaluation, and the role of emotion in political decision-making.

Rules & Requirements

Grading Status: Letter grade.

PSYC 873. Seminar on Prejudice and Stereotyping. 3 Credits.

Graduate standing required. Seminar reviews classic and current literature on the psychology of stereotyping and prejudice. Focus is on causes, consequences, and mental processes that maintain social biases.

Rules & Requirements

Grading Status: Letter grade.

PSYC 874. Social Judgment and Decision Making. 3 Credits.

Discusses both classic and contemporary theory and research related to social judgment and decision making, including basic psychological processes, heuristics and biases, models of decision making, and social influences.

Rules & Requirements

Requisites: Prerequisite, PSYC 863; permission of the instructor for students lacking the prerequisite.

Grading Status: Letter grade.

PSYC 875. Advanced Seminar in Positive Psychology. 3 Credits.

Positive Psychology represents a scientific approach to understanding positive aspects of life, including character strengths and human flourishing. This seminar builds students' empirical skills in this vibrant area of inquiry.

Rules & Requirements

Requisites: Prerequisite, PSYC 870.

Grading Status: Letter grade.

PSYC 876. Graduate Seminar in Social and Affective Neuroscience. 3 Credits.

This course will provide students with an understanding of the more basic biological (and psychological) mechanisms that contribute to social processes such as stereotypes, person perception, moral judgments, and emotions. The course will prepare students to be informed consumers of contemporary neuroscience research.

Rules & Requirements

Requisites: Prerequisite, PSYC 869 or PSYC 870; permission of the instructor for students lacking the prerequisite.

Grading Status: Letter grade.

PSYC 880. Social Psychobiology. 3 Credits.

Psychological processes are increasingly being appreciated as key predictors of morbidity, mortality, and well-being. But how, exactly, do factors in the social environment "get under the skin" to influence health? This is the main question we will investigate in this course. We will accomplish this primarily through extensive reading and discussion of journal articles and presentations on a variety of biomarkers, physiological processes, and pharmacological approaches.

Rules & Requirements

Grading Status: Letter grade.

PSYC 888. Moral Psychology. 3 Credits.

Course explores moral judgments and behavior; examines morality and cognition, emotion, mind perception, and religion; covers debates between reason vs. intuition, utilitarianism vs. deontology, and single vs. multiple domain theories. Discusses real world applications (courtroom, torture) and related concepts (free will).

Rules & Requirements

Requisites: Prerequisites, PSYC 869 or PSYC 870; permission of the instructor for students lacking the prerequisite.

Grading Status: Letter grade.

PSYC 889. Professional Development in Psychology. 3 Credits.

This course offers training and discussion in a wide array of skills rarely covered within formal academic curricula, including: how to select a career path, financial planning, media training, balancing personal/professional lives, applying for postdocs, writing research statements, getting tenure, multiculturalism, applying for grants, consulting, etc.

Rules & Requirements

Grading Status: Letter grade.

PSYC 890. Case Formulation and Psychotherapy Integration. 3 Credits.

Required preparation, third year or beyond in clinical psychology doctoral program. This advanced seminar provides clinical psychology graduate students with case formulation skills in the context of exposure to psychotherapy integration and contemporary evidence-based treatment models.

Rules & Requirements

Grading Status: Letter grade.

PSYC 894. Item Response Theory. 3 Credits.

A first course in test theory (e.g., EDUC 829, PSYC 842) is recommended but not required. Please ask the course instructor if you are unsure about prerequisites. This course covers basic and advanced topics in item response theory (IRT). Examples are taken from educational testing, psychological assessment, and patient-reported health outcomes. Students produce a term project applying IRT to assessment data, and / or addressing mathematical or computational aspects of IRT.

Rules & Requirements

Requisites: Prerequisite, EDUC 784 or PSYC 831.

Grading Status: Letter grade.

Same as: EDUC 894.

PSYC 899. History and Systems of Psychology. 3 Credits.

This is an independent study course on the topic of history and systems of psychology, providing a background on the origins and the development of core ideas in the field of psychology including psychoanalysis, behaviorism, and cognitive psychology, and on the development of applied and professional psychology in the United States. Restricted to: Clinical psychology doctoral students only.

Rules & Requirements

Requisites: Pre- or corequisite, Enrollment in the APA-accredited clinical psychology doctoral program at the University of North Carolina at Chapel Hill.

Grading Status: Letter grade.

PSYC 990. Practicum in Psychology and Neuroscience. 1-3 Credits.

This course provides students with hands-on experience in an area of psychology and neuroscience relevant to the student's research interests through projects and work outside the University, such as an internship experience. The course exposes students to a different range of problems and application areas than they would encounter in the classroom, which is an essential part of their graduate study. The student is to be registered for the course while working.

Rules & Requirements

Requisites: Prerequisite, Approval from instructor in advance.

Repeat Rules: May be repeated for credit. 12 total credits. 12 total completions.

Grading Status: Letter grade.

PSYC 991. Advanced Research. 3 Credits.

Six laboratory hours a week.

Rules & Requirements

Repeat Rules: May be repeated for credit.

Grading Status: Letter grade.

PSYC 993. Master's Research and Thesis. 3 Credits.**Rules & Requirements**

Repeat Rules: May be repeated for credit.

PSYC 994. Doctoral Research and Dissertation. 3 Credits.**Rules & Requirements**

Repeat Rules: May be repeated for credit.

PSYC 995. Dissertation Research for Clinical Interns. 1 Credits.

A course for Clinical Psychology PhD students to register for if they have defended their dissertation but are on internship and therefore are off campus

Rules & Requirements

Requisites: Prerequisites, PSYC 993 and PSYC 994.

Repeat Rules: May be repeated for credit. 2 total credits. 2 total completions.

Grading Status: Letter grade.

Contact Information

Department of Psychology and Neuroscience

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