Spring 2021  
UNC Department of Psychology  
Undergraduate Courses

*For the complete list of undergraduate Psychology courses, please refer to the Undergraduate Bulletin*

**First-Year Seminars (FYS)**

**PSYC 054: Families and Children (3)**  
Instructor: Dr. Shauna Cooper  
The course will consider family from a life-course perspective and family influences on child development. Research and theory concerning divorced and step families, single parents, gay and lesbian parents, and family processes that shape children’s development will be examined.

**PSYC 089H: First-Year Seminar: Critical Thinking in Psychology and Beyond: How to use Your Brain**  
Instructor: Dr. Jon Abramowitz  
Honors version. This course focuses on the development of critical thinking skills, especially as they relate to psychological science. In addition to learning basic skills of logic, students will learn about the logic of the scientific method and the common errors of human cognition that impede critical thinking.

**Lower-Level Undergraduate Courses (PSYC 100-399)**

**PSYC 101: General Psychology (3)**  
Instructor: Dr. Jeannie Loeb (001), Dr. Ndidi Adeyanju (002)  
A survey of major principles of psychology and an introduction to scientific modes of thought about behavior. Students participate in ongoing psychological research in the department. PSYC 101 is a prerequisite for all psychology courses.

**NSCI 175: Introduction to Neuroscience (3)**  
Instructor: Dr. Rachel Penton (001), Dr. Monica Gaudier-Diaz (002)  
Neuroscience is a field that seeks to understand the structure and function of the nervous system and brain. This course provides a broad overview of the field. Topics include current methods used in neuroscience, the function of nerve cells, neuroanatomy of the mammalian brain, neuroplasticity, and diseases of the brain.

**PSYC 180: Social Media, Technology, and the Adolescent Brain (3)**  
Instructor: Dr. Eva Telzer & Dr. Mitch Prinstein (001)  
In this course, we will learn about current evidence, theory, and controversies with regards to how technology use may affect adolescent development. Questions such as how technology is changing adolescents’ social relationships, impacting their mental health, and interacting with the developing brain to influence social, emotional, and cognitive development will be explored.
PSYC 210: Statistical Principles of Psychological Research (3)
Instructor: Dr. Patrick Harrison (001)
Prerequisite: PSYC 101
Consideration of the methodological principles underlying psychological research, descriptive and inferential techniques, and the manner by which they may be employed to design psychological experiments and analyze behavioral data. Three lecture hours and one laboratory hour a week.

PSYC 220: Biopsychology (3)
Instructor: Dr. Rebecca Stephens (001), Shveta Parekh (002)
Prerequisite: PSYC 101
Introductory course which surveys the biological bases of behavior. This course would be an appropriate foundational course for Introduction to Neuroscience (PSYC 175) and/or Advanced Biopsychology (PSYC 402)

NSCI 222: Learning (3)
Instructor: Dr. Todd Thiele (001), Ian Jacobs (002)
Prerequisite: PSYC 101
Topics in Pavlovian and operant (instrumental) conditioning, learning theory, higher order cognitive learning, and application of those principles to mental-health related situations.

NSCI 225: Sensation and Perception (3)
Instructor: Dr. Vicki Chanon (001), Jonathan Parsons (002)
Prerequisite: PSYC 101
Topics in vision, audition, and the lower senses. Receptor mechanisms, psychophysical methods, and selected perceptual phenomena will be discussed.

PSYC 230: Cognitive Psychology (3)
Instructor: Dr. Vicki Chanon (001), Kathryn Weatherford (002), Shaina Roth (003)
Prerequisite: PSYC 101
Topics in attention; memory; visual, auditory, and other forms of information processing; decision making; and thinking.

PSYC 242: Introduction to Clinical Psychology (3)
Instructor: Dr. Desiree Griffin (001), Maku Orleans-Pobee (002)
Prerequisite: PSYC 101
Overview of clinical psychology: history, scientific basis, and major activities and concerns including assessment, psychotherapy, and other psychological interventions, community psychology, ethics, and professional practice.

PSYC 245: Abnormal Psychology (3)
Instructor: Dr. Charlie Wiss (001), Danielle Weber (002), Alexandra Wojda (003)
Prerequisite: PSYC 101
Major forms of behavior disorders in children and adults, with an emphasis on description, causation, and treatment.

PSYC 245H: Abnormal Psychology (3)
Instructor: Dr. Don Baucom (001)
Prerequisite: PSYC 101
PSYC 250: Child Development (3)
Instructor: Dr. Beth Jordan (001), Kirsten McLaughlin (002), Marketa Burnett (003), Janae Shaheed (004)
Prerequisite: PSYC 101
Study of the development of social and intellectual behavior in normal children and the processes that underlie this development. Emphasis is typically on theory and research.

PSYC 260: Social Psychology (3)
Instructor: Dr. Steve Buzinski (001), Jieni Zhou (002)
Prerequisite: PSYC 101
Introductory survey of experimental social psychology covering attitudes, interpersonal processes, and small groups.

PSYC 260H: Social Psychology (3)
Instructor: Dr. Steven Buzinski (001)
Prerequisite: PSYC 101
Honors version. Introductory survey of experimental social psychology covering attitudes, interpersonal processes, and small groups.

PSYC 270: Laboratory Research in Psychology (4)
Instructor: Dr. Patrick Harrison (001)
Prerequisites: PSYC 101, and 210 or 215
This course will give students the opportunity to engage in psychological research by conducting a team-based research project. Students will also develop the skills required to critically evaluate research findings.

PSYC 330: Introduction to Cognitive Science (3)
Instructor: Dr. Vicki Chanon (001)
Prerequisites: PSYC 101
An introduction to the interdisciplinary study of the mind, intelligent behavior, information processing, and communication in living organisms and computers.

NSCI 390: Neuroscience Career Development & Networking (3)
Instructor: Dr. Sabrina Robertson (001)
Prerequisites: NSCI 175; Neuroscience Majors only
This course provides students interested in the neuroscience field an opportunity to gain valuable networking, job application and interviewing skills. Over the course of the semester students will meet with neuroscience professionals and create application packages. Students will learn from individuals in neuroscience related jobs about the diverse careers options available and strategies for navigating the job market successfully. In addition, students will explore advances in neuroscience research and how they relate to industry, research, medicine and society. Our target audience are juniors ready to develop a career plan and to explore how neuroscience is applied in the working world

Upper-Level Undergraduate Courses (PSYC 400-699)

NSCI 405: Advanced Molecular Neuropharmacology (3)
Instructor: Dr. Rachel Penton (001)
Prerequisites: NSCI 175 or both PSYC 101 and PSYC 220; plus NSCI 320
This course provides a detailed study of the mechanisms of drug action at the molecular level by examining primary literature in depth. The focus will be on ligand-receptor interactions and modulation of receptor number, structure, and function by drugs. Detailed examples will examine the molecular details of both ligand
gated-ion channels and G-protein coupled receptors. The course will use primary literature to delve into research where central themes will include developing critical thinking and communication skills.

**NSCI 422: Genetics of Brain Diseases (3)**  
Instructor: Dr. William Snider (001)  
Prerequisites: An introductory course in neuroscience, PSYC 220 or NSCI 175  
This course will explore the manifestations and causes of important neurological and psychiatric diseases. A major focus will be the impact of advances in genetics and genomics on our understanding of brain disorders. Diseases having a major impact on society including autism, schizophrenia and Alzheimer’s Disease will be studied in detail. The course will provide excellent preparation for further study of brain disorders in the setting of psychology, medicine, public health, or public policy. Course credits count towards a major in Psychology and a minor or major in Neuroscience.

**NSCI 423: Neurotechnology in Modern Neuroscience Research (3)**  
Instructor: Dr. Sabrina Robertson (001 & 002)  
Prerequisites: NSCI 175; or both PSYC 101 and PSYC 220  
This course addresses fundamental challenges inherent in studying the brain and explores the theory, applications, and limitations of new and traditional neurotechnology. The unique ethical issues and significance of interdisciplinary approaches in neuroscience will also be highlighted. Students will analyze research literature and focus on cellular, molecular, and genetic techniques that are essential staples in the neuroscientist's toolkit. Students will also design experiments, utilize publicly available resources, and analyze big data generated by high-throughput approaches.

**PSYC 430: Human Memory (3)**  
Instructor: Dr. Neil Mulligan (001)  
Prerequisites: PSYC 101, and NSCI 222 or PSYC 230  
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.

**PSYC 463: Development of Social Behavior and Personality (3)**  
Instructor: Dr. Jean Louis Gariepy (001)  
Prerequisites: PSYC 101 and PSYC 210  
Developmental processes during early childhood as these relate to social behavior and personality.

**PSYC 471: The Study of Adolescent Issues and Development (3)**  
Instructor: Dr. Andrea Hussong (001 & 002)  
Prerequisites: PSYC 101, 210, or 215, and 250  
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.
PSYC 490: Neuroimmunology (3)
Instructor: Dr. Monica Gaudier-Diaz (001)
Prerequisites: NSCI 175 or both PSYC 101 and PSYC 220
The nervous and immune systems interact with each other in complex ways to influence behavior, health and wellbeing. In this course, we will examine the mechanisms by which these two systems interact. Further, we will cover how the nervous and immune systems function together to serve homeostasis, behavior and disease. This course incorporates research-related activities such as a 3-minute thesis presentation to describe a student-generated research question, a viewpoint article to critically evaluate a neuroimmunology-related concept, and more.

PSYC 500: Developmental Psychopathology (3)
Instructor: Dr. Eric Youngstrom (001)
Prerequisites: PSYC 101, 245, and 250
A survey of theories bearing on atypical development and disordered behavior, and an examination of major child and adolescent behavior problems and clinical syndromes.

PSYC 514: Mania and Depression (3)
Instructor: Dr. Desiree Griffin (001)
Prerequisites: PSYC 101 and 245
The social, developmental, and biological contributions to mania and depression are examines, as well as the impact of these moods on the brain, creativity, relationships, quality of life, and health.

PSYC 525: Psychological Archival Data Science (3)
Instructor: Dr. Eric Youngstrom (001)
Prerequisites: PSYC 270 and PSYC 245 or PSYC 500
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.

PSYC 531: Tests and Measurement (3)
Instructor: Dr. Oscar Gonzalez (001)
Prerequisites: PSYC 101 and 210
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.

PSYC 559: Applied Machine Learning in Psychology (3)
Instructor: Dr. Oscar Gonzalez (001)
Prerequisites: PSYC 101, and either PSYC 210 or PSYC 215
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.
PSYC 564: Interpersonal Relationships (3)
Instructor: Dr. Sara Algoe (001)
Prerequisites: PSYC 101, PSYC 260, and either PSYC 210 or 215. 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.

NSCI 568: Emotion (3)
Instructor: Dr. Kirsten Lindquist (001)
Prerequisites: NSCI 175 or PSYC 101
This course will provide a comprehensive overview of the scientific study of emotion. Topics will include theoretical models of emotion process and structure. A range of perspectives, including social, cultural, developmental, clinical, and cognitive psychology, as well as behavioral neuroscience, will be considered. Previously offered as PSYC 568.

PSYC 570: The Social Psychology of Self-Regulation (3)
Instructor: Dr. Paschal Sheeran (001)
Prerequisites: PSYC 101, PSYC 210, PSYC 260. PSYC 270 recommended
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.

PSYC 601: Psychology and Law (3)
Instructor: Dr. Neil Mulligan (001), Dr. Desiree Griffin (002)
Prerequisites: PSYC 101 and 210 or 215
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.

PSYC 602: Evolutionary Psychology (3)
Instructor: Dr. Charlie Wiss (001)
Prerequisites: PSYC 101
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.