

PSYCHOLOGY (PSYCH)

PSYCH 1101 - Introduction to Psychology (3 Credits)

Why are people superstitious? Why do people blush when they are embarrassed? What is intelligence (and are IQ tests a good way to measure it)? Why don't psychopaths feel guilty when they harm others? How reliable are childhood memories? Why do we laugh? Do violent video games make people act violently? Why do some people seem instantly trustworthy and others seem creepy? How do we choose whom to sleep with, date, or marry? How does stress affect our body? While questions like these have been asked for centuries, psychology has begun to provide answers to these - and other questions about the human mind - by applying the tools of scientific investigation. In this course you will receive a broad introduction to the science of psychology: from the history of the field and its major advances, to the latest research on topics such as perception, memory, intelligence, morality, sexuality, mental illness, religion, language, and creativity. You will also learn about the tools and methods psychologists use to investigate the mind, such as observing how the mind of a child changes and develops over time, looking at people across cultures, measuring brain activity, and experimentally manipulating everything from the shape of a figure presented on a computer screen, to the smell of a room, or the attractiveness of the experimenter.

Forbidden Overlaps: HD 1120, PSYCH 1101

Distribution Requirements: (SBA-AG), (SSC-AS)

Last Four Terms Offered: Fall 2025, Summer 2025, Spring 2025, Fall 2024

Schedule of Classes

PSYCH 1102 - Introduction to Cognitive Science (3 Credits)

Crosslisted with COGST 1101, LING 1170, PHIL 1620, CS 1710, HD 1102
This course provides an introduction to the science of the mind. Everyone knows what it's like to think and perceive, but this subjective experience provides little insight into how minds emerge from physical entities like brains. To address this issue, cognitive science integrates work from at least five disciplines: Psychology, Neuroscience, Computer Science, Linguistics, and Philosophy. This course introduces students to the insights these disciplines offer into the workings of the mind by exploring visual perception, attention, memory, learning, problem solving, language, and consciousness.

Distribution Requirements: (ETM-AS), (KCM-AG), (SCT-IL)

Last Four Terms Offered: Fall 2025, Summer 2025, Fall 2024, Summer 2024

Schedule of Classes

PSYCH 1103 - Introductory Psychology Seminars (1 Credit)

Last Four Terms Offered: Fall 2021, Fall 2020, Fall 2019, Fall 2018

Schedule of Classes

PSYCH 1104 - WIM: Introduction to Cognitive Science (1 Credit)

Crosslisted with COGST 1104, PHIL 1621, LING 1104

This section is highly recommended for students who are interested in learning about the topics covered in the main course through writing and discussion.

Corequisites: COGST 1101.

Last Four Terms Offered: Fall 2025, Fall 2024, Fall 2023, Spring 2023

Schedule of Classes

PSYCH 1120 - FWS: Personality & Social Psychology (3 Credits)

Personality and Social Psychology area are interested in understanding how people think, feel, and act in real-world social situations. There is a particular interest in how people make sense of the social world around them, as represented by research programs on judgment and decision making, attribution, self-knowledge, affect and emotion, and stereotyping/prejudice. Frequent topics of inquiry include whether people reach accurate or erroneous judgments about themselves and others, how people arrive at their decisions, and how those decisions can be influenced by emotions or factors outside of awareness and more.

Last Four Terms Offered: Fall 2025, Spring 2025, Fall 2024, Spring 2024
Schedule of Classes

PSYCH 1130 - FWS: Behavioral Evolutionary Psychology (3 Credits)

Behavioral & Evolutionary Neuroscience Psychology seeks to understand behavior and cognition through investigations of the integrated roles of evolution, development, and mechanisms. The emphasis is on naturalistic behaviors of animals and ecologically relevant behaviors of humans. Comparative perspectives are well represented, the full range of development, including aging, is investigated, and both social and non-social behaviors are explained. Core questions are, what are the mechanisms (brain, sensory, endocrine, and behavioral) that enable animals (including humans) to behave appropriately? How do these mechanisms work? How do they develop? How did they evolve?

Last Four Terms Offered: Spring 2025, Fall 2024, Fall 2022, Spring 2022
Schedule of Classes

PSYCH 1131 - Introduction to Human Development (3 Credits)

Crosslisted with HD 1130

Introduction to Human Development provides a broad and foundational overview of field of human development, starting from conception and ending through process of death and dying. The course will start with an outline and explanation of the lifespan perspective in human development. The biological beginnings of life and prenatal development will serve as the start of the discussion of human development, followed by an exploration of physical, cognitive, and socioemotional development at each subsequent stage within the lifespan (e.g., infancy, early childhood, middle & late childhood, etc.). Discussion of each developmental stage will highlight major research findings and their real-world application.

Forbidden Overlaps: HD 1130, HD 1150, HD 1170, PSYCH 1131

Distribution Requirements: (SBA-AG), (SBA-HE), (SSC-AS)

Last Four Terms Offered: Fall 2025, Summer 2025, Fall 2024, Summer 2024

Learning Outcomes:

- Develop a broad but strong base of knowledge surrounding the field of human development and how human development research is conducted.
- Be able to read and understand, critically think about current research in the field of human development and how research can be applied to the real world.
- Gain an understanding about the different developmental stages and what kind of change is occurring across the domains of physical, cognitive, and socioemotional development.
- Consider your beliefs about development before the course and reconsider the beliefs that are not supported by research.
- Find this class fun and interesting, taking what you learned from the course and be able to apply it in your daily life.

Schedule of Classes

PSYCH 1140 - FWS: Perception, Cognition, and Development (3 Credits)

How do we perceive, learn about, and store information about the environments around us? How does what we have learned affect how we perceive and understand? PCD researchers in the graduate field of psychology at Cornell study human perception, language, and memory, as well as the development of various cognitive functions in infants. The methods they use are diverse, and range from human behavioral experiments in development, perception, and psycholinguistics, through computational modeling and simulation of auditory, visual, and language processes, to human electrophysiology by means of event-related potential (ERP) analysis.

Distribution Requirements: (WRT-AG)

Last Four Terms Offered: Fall 2025, Spring 2025, Fall 2024, Spring 2024
Schedule of Classes

PSYCH 1200 - Conversations in Moral Psychology (1 Credit)

Crosslisted with PHIL 1918

Who gets to decide what is right and wrong? Are there any universal moral rules? Do moral norms benefit some more than others? What are the implications when age, gender, race, ethnicity, education, income, social status, and other individual differences interact with morality? This course is designed for students who are ready to dive to the core of morality. This format of the course is a series of guest talks and active discussions.

Exploratory Studies: (CU-CEL)

Last Four Terms Offered: Spring 2022
Schedule of Classes

PSYCH 1500 - Introduction to Environmental Psychology (3 Credits)

Crosslisted with DEA 1500, COGST 1500

Environmental Psychology is an interdisciplinary field concerned with how the physical environment and human behavior interrelate. Most of the course focuses on how residential environments and urban and natural settings affect human health and well-being. Students also examine how human attitudes and behaviors affect environmental quality. Issues of environmental justice and culture are included throughout. Hands-on projects plus exams.

Enrollment Information: Enrollment priority given to: DEA undergraduate majors. DEA minors and transfers will be given enrollment consideration based on course caps and/or permission of instructor.

Distribution Requirements: (D-AG, SBA-AG), (D-HE, LAD-HE, SBA-HE), (SSC-AS)

Exploratory Studies: (CU-SBY)

Last Four Terms Offered: Fall 2025, Summer 2025, Fall 2024, Summer 2024

Learning Outcomes:

- Provide overview of knowledge about the environment and human behavior (grounding in field).
- Understand cultural and life course diversity in human-environment interactions (sensitivity to diversity).
- Learn how to analyze problems like an environmental psychologist (develop critical thinking skill).

Schedule of Classes

PSYCH 1501 - Introduction to Environmental Psychology - Writing in the Major (4 Credits)

Crosslisted with DEA 1501, COGST 1501

Human-Environment Relations is an interdisciplinary field concerned with how the physical environment and human behavior interrelate. Most of the course focuses on how residential environments and urban and natural settings affect human health and well-being. Students also examine how human attitudes and behaviors affect environmental quality. Issues of environmental justice and culture are included throughout. Hands-on projects plus exams. Lecture and discussion sections. WIM section attends a regular lecture but also meets weekly with a graduate writing instructor. The two principal objectives of WIM section: 1. More in depth discussion and analysis of the materials covered in the course. 2. On going, systematic opportunity to improve your writing and presentation skills.

Enrollment Information: Enrollment priority given to: DEA undergraduate majors. DEA minors and transfers will be given enrollment consideration based on course caps and/or permission of instructor.

Distribution Requirements: (D-AG, SBA-AG), (D-HE, LAD-HE, SBA-HE), (SSC-AS)

Exploratory Studies: (CU-CEL)

Last Four Terms Offered: Fall 2025, Fall 2024, Fall 2023, Fall 2022
Schedule of Classes

PSYCH 1650 - Computing in the Arts (3 Credits)

Crosslisted with CS 1610, ENGRI 1610, MUSIC 1465

Over the centuries, artists in a wide variety of media have employed many approaches to the creative process, ranging from the philosophical to the mechanical to the virtual. This course unravels some of the mysteries going on inside software used for art and music. It looks at ways of breaking things apart and sampling and ways of putting things together and resynthesizing, and explores ideas for creation. This course does not teach software packages for creating art and music. The course complements ART 2701 and MUSIC 1421.

Distribution Requirements: (SMR-AS)

Last Four Terms Offered: Summer 2025, Summer 2024, Summer 2023, Summer 2022

Learning Outcomes:

- Understand, manipulate, and design algorithms and other processes for creating music and other art forms. Specific techniques may draw from stochastic, iterative, algebraic and geometric methods, amongst others.
- Have a degree of understanding of the design process -idea, formulation, specification, implementation, testing to refinement - and the development of effective interfaces.
- Have a basic understanding of the basics of probability, group theory, basic programming, feedback systems, sampling, and synthesis with emphasis on building applications via assisted process control (principles of simple programming).

Schedule of Classes

PSYCH 1990 - Sports Psychology (3 Credits)

Research, theory, and application in sport psychology. An interdisciplinary approach which applies social and personality psychology, motivation, clinical psychology, exercise physiology, and biochemistry to the study of competitive domains. Topics will include: achievement motivation, extrinsic and intrinsic motivation, group and team dynamics, leadership, aggression, stress, and youth sports. Where possible, fieldwork experiences will be conducted in exercise physiology and exercise testing, as well as biofeedback.

Distribution Requirements: (ETM-AS), (KCM-AG)

Last Four Terms Offered: Summer 2025, Summer 2024, Summer 2023, Summer 2022

Schedule of Classes

PSYCH 2020 - Experimental Psychology: Learning (3 Credits)

Crosslisted with HD 2020

Last Four Terms Offered: Spring 2023

Schedule of Classes

PSYCH 2050 - Perception (3 Credits)

Crosslisted with HD 2050, COGST 2050

Basic perceptual concepts and phenomena are discussed with emphasis on stimulus variables and sensory mechanisms. All sensory modalities are considered, vision is discussed in detail.

Distribution Requirements: (BIO-AS), (OPHLS-AG), (SCT-IL)

Last Four Terms Offered: Spring 2025, Spring 2023, Fall 2018, Fall 2017

Schedule of Classes

PSYCH 2090 - Developmental Psychology (3 Credits)

Crosslisted with HD 2090, COGST 2090

One of four introductory courses in cognition and perception.

A comprehensive introduction to current thinking and research in developmental psychology that approaches topics from both psychobiological and cognitive perspectives. We will use a comparative approach to assess principles of development change. The course focuses on the development of perception, action, cognition, language, and social understanding in infancy and early childhood.

Distribution Requirements: (ETM-AS), (KCM-AG), (SCT-IL)

Last Four Terms Offered: Spring 2025, Spring 2024, Spring 2023, Spring 2022

Schedule of Classes

PSYCH 2091 - WIM: Developmental Psychology (1 Credit)

This section is highly recommended for students who are interested in learning about the topics covered in the main course through writing and discussion.

Corequisites: PSYCH 2090.

Last Four Terms Offered: Spring 2025, Spring 2024, Spring 2023, Spring 2022

Schedule of Classes

PSYCH 2100 - The Science of Human Stupidity (3 Credits)

The most significant problems that humans face - climate change, sectarian violence, political polarization, the spread of misinformation, etc. - are problems that we've made for ourselves. In this lecture course, we will probe the depths of human stupidity by exploring research on the nature of human reasoning, decision-making, beliefs, and more.

Distribution Requirements: (SBA-AG), (SSC-AS)

Last Four Terms Offered: Fall 2025, Spring 2025

Schedule of Classes

PSYCH 2120 - Social Cognition & the Legal System (3 Credits)

Since its inception the US legal system has been a system of social cognition and judgment: Humans perceiving and judging other humans to determine their fate. There are things about the system to admire, but major problems persist. Innocent people get convicted; guilty people go free. Why? Historically, that system built on social cognition has been ignorant about how human judgment actually works—producing errors as a result. This course explores the science of how we think about other people—our perceptions, memories, and judgments—can shape decisions and outcomes in the legal system, sometimes with devastating consequences. Grounded in psychological science and research on social cognition, we'll examine how mental shortcuts, impression formation, moral judgment and group dynamics influence everything from eyewitness testimony to police investigations, from jury deliberations to sentencing. We will apply classic and cutting-edge research to identify what went wrong in real-world cases and how we could do better. Students will learn how understanding the psychology of social thinking can help explain—and ultimately improve—the legal system.

Prerequisites: PSYCH 1101.

Distribution Requirements: (SSC-AG)

Schedule of Classes

PSYCH 2150 - Psychology of Language (3 Credits)

Crosslisted with LING 2215, COGST 2150

Provides an introduction to the psychology of language. The purpose of the course is to introduce students to the scientific study of psycholinguistic phenomena. Covers a broad range of topics from psycholinguistics, including the origin of language, the different components of language (phonology, morphology, syntax, and semantics), processes involved in reading, computational modeling of language processes, the acquisition of language (both under normal and special circumstances), and the brain bases of language.

Prerequisites: any one course in psychology or human development.

Enrollment Information: Enrollment limited to: sophomores, juniors, and seniors.

Distribution Requirements: (ETM-AS), (KCM-AG)

Last Four Terms Offered: Spring 2025, Spring 2024, Spring 2023, Spring 2022

Schedule of Classes

PSYCH 2225 - Psychological Assessment (3 Credits)

Crosslisted with HD 2225

Last Four Terms Offered: Spring 2024, Spring 2023

Schedule of Classes

PSYCH 2230 - Intro to Behavioral Neuroscience (3 Credits)

Crosslisted with COGST 2230, HD 2230

Introduction to psychology from a biological perspective, which focuses on brain mechanisms of behavior. Topics include the structure and function of the nervous system, physiological approaches to understanding behavior, hormones and behavior, biological bases of sensation and perception, learning and memory, cognition, emotion, and communication.

Distribution Requirements: (BIO-AS), (OPHLS-AG), (SCT-IL)

Last Four Terms Offered: Fall 2025, Summer 2025, Fall 2024, Summer 2024

Schedule of Classes

PSYCH 2300 - How the Brain Makes the Mind (3 Credits)

Crosslisted with HD 2310, COGST 2350

There is no getting away from the brain. Everything a person does, creates, thinks, feels, believes, and experiences (including making sense of course descriptions!) depends on it. But, how? How could a three pound mass of cells and the body in which it exists see, decide, or remember, let alone navigate a busy city, play soccer, or write poetry? This course will provide students with the foundational concepts and tools they will need to begin to address these questions, providing insight into how modern cognitive neuroscientists understand the brain, how it works, and how the mind emerges from all of this. Students will learn core principles of modern human cognitive neuroscience (e.g., brain structure versus function, connectivity, reuse) and their application to cognition (e.g., action, perception, attention, memory, emotion, language, cognitive control, and consciousness). Topics in neuroanatomy, human neuroscience methods, and neurological conditions will also be covered.

Distribution Requirements: (ETM-AS), (KCM-AG)

Last Four Terms Offered: Spring 2025, Spring 2024

Learning Outcomes:

- Contrast several perspectives on the relationship between the mind, brain, and body.
- Explain principles of cognitive neuroscience that relate brain structure to function.
- Describe current views about core cognitive functions, like perception, attention, and memory, and their brain basis.
- Demonstrate understanding of the methods and tools used in human cognitive neuroscience, contrasting their strengths and weaknesses.
- Describe how some kinds of brain dysfunction may lead to cognitive disorders.

Schedule of Classes

PSYCH 2350 - Multilingualism and Multiculturalism in Early Childhood (3 Credits)

Crosslisted with HD 2350

Children who grow up in multilingual environments have a profoundly different experience compared to monolingual children. In this course, we examine the nature and impact of this experience on the socio-emotional, cognitive, and linguistic development of young children, focusing on the complex multilingual and multicultural reality in Israel as our main case study. Specifically, we explore the multilingual development of children from several minority and immigrant groups in Israel: Arabs, Former Soviet Union (FSU) and Ethiopian immigrants, Israeli-born children of labor migrants, deaf communities, among others.

Distribution Requirements: (SBA-AG)

Last Four Terms Offered: Summer 2025, Summer 2024, Summer 2023, Fall 2022

Learning Outcomes:

- Discuss the substance and validity of theories and empirical studies on first and second language acquisition.
- Discern and describe different developmental factors (i.e., linguistic, cognitive, and socio-emotional) that are affected by children's multilingual experience.
- Apply knowledge gained in objectives #1 & #2 to analyze and critique current developmental studies on the multilingual and multicultural experience of young children and adolescents in Israel.

Schedule of Classes

PSYCH 2400 - Introduction to Community Psychology (3 Credits)

Crosslisted with HD 2400

What counts as a community? How do communities shape who we are? How can we engage in action to transform the communities we are a part of? These questions guide our inquiry in this introductory community psychology course. Community psychology examines the interrelationship between individual wellbeing and the multiple social structures and contexts with which individuals interact.

Community psychologists are united by a shared commitment to understanding individuals using a multidisciplinary perspective, including developmental psychology, education, and sociology. Beyond seeking to understand, community psychologists also emphasize values, applied and participatory research, and action to promote the well-being of entire communities from a strengths-based perspective. This lecture-based course will provide an overview of theory, research, and action in community psychology. We will focus on (a) essential community psychology theories, (b) methodological strategies for studying alongside communities, and (c) practical applications related to understanding social and environmental contexts as essential components of the human experience. Throughout the course, we will discuss the role of communities in shaping our understandings of diversity, equity, and social justice.

Distribution Requirements: (CA-AG, D-AG, SBA-AG), (CA-HE, D-HE)

Last Four Terms Offered: Fall 2024, Fall 2023

Learning Outcomes:

- Be able to explain the historical foundations of the field of community psychology.
- Identify the epistemologies (ways of knowing) and principles that undergird community psychology.
- Be able to read and critically think about current research in community psychology.
- Critically assess how social and environmental contexts (e.g., families, media, communities) impact individuals' development and wellness. Apply contemporary theories and research to everyday experiences and life.
- Begin to consider your role as a change agent in transforming societal inequity.

Schedule of Classes

PSYCH 2415 - Introduction to Moral Psychology (3 Credits)

Crosslisted with PHIL 2415, COGST 2415

This course is an introduction to the moral mind from philosophical and psychological perspectives. Many traditional philosophical problems about morality are being illuminated by current work in cognitive science. In this course, we will look at several of these problems. In each case, we will begin with a presentation of the philosophical problems, and we will proceed to examine recent empirical work on the topic. A wide range of topics will be covered, including moral judgment, agency, the self, and punishment.

Distribution Requirements: (ETM-AS), (KCM-AG)

Last Four Terms Offered: Fall 2025, Spring 2025, Fall 2022, Fall 2021

Schedule of Classes

PSYCH 2450 - Pursuing Happiness (3 Credits)

The Pursuit of Happiness is even mentioned in the Declaration of Independence, but what does this mean? This course will explore the kinds of happiness found in human experience, including financial success, public service, romantic and family life, political and cultural identity, as well as the power of music, literature, art and film to affect mood and self-awareness.

Distribution Requirements: (ALC-AS, ETM-AS), (CA-AG, KCM-AG, LA-AG)

Last Four Terms Offered: Fall 2025, Fall 2024

Schedule of Classes

PSYCH 2500 - Statistics and Research Design (3 Credits)

In a complex environment with many sources of variability, how can one tell with confidence whether a particular observed effect is real? And how much confidence is appropriate? This course introduces the principles of statistical description and inference as strategies to answer these questions, with emphasis on methods of principal relevance to psychology, neuroscience, and the behavioral sciences.

Forbidden Overlaps: AEM 2100, BTRY 3010, BTRY 6010, CEE 3040, CRP 1200, ENGRD 2700, HADM 2010, HADM 2011, ILRST 2100, ILRST 6100, MATH 1710, PSYCH 2500, PUBPOL 2100, PUBPOL 2101, SOC 3010, STSCI 2100, STSCI 2150, STSCI 2200. In addition, no credit for MATH 1710 if taken after ECON 3130, ECON 3140, MATH 4720, or any other upper-level course focusing on the statistical sciences

Distribution Requirements: (MQL-AG, OPHLS-AG, SBA-AG), (SDS-AS, SSC-AS)

Last Four Terms Offered: Fall 2025, Fall 2024, Summer 2024, Fall 2023

Schedule of Classes

PSYCH 2580 - Six Pretty Good Books: Explorations in Social Science (4 Credits)

Crosslisted with HD 2580, ILRGL 2580, SOC 2580

This course is modeled after Great Books literature courses in the humanities, but with two important differences: we read non-fiction books in the social sciences rather than the humanities, written by highly prominent contemporary social scientists. The course title refers to the fact that the books are new, hence their potential greatness has yet to be confirmed by the test of time. We choose living authors to give students a unique opportunity: to interact with each of the six authors in Q&A sessions via live or recorded video conferencing. Great Books courses are organized around books rather than the more traditional theme-based approach in most undergraduate classes, and each book is intended to stand on its own. Although the topics vary widely, each of the books addresses fundamental puzzles that motivate social science inquiry regarding human behavior and social interaction. These puzzles cut across disciplinary boundaries, hence the course is co-taught by psychologist Steve Ceci and sociologist/information scientist Michael Macy who provide continuity by calling attention to similarities and differences in theories, concepts, assumptions, and methods between sociologists (who focus on what happens between individuals) and psychologists (who focus on what happens within individuals). The authors vary from year to year but include famous social scientists such as Claude Steele, Daniel Kahneman, Nicholas Christakis, Beverly Tatum, Malcolm Gladwell, and Steven Pinker.

Distribution Requirements: (ICE-IL), (SBA-AG), (SBA-HE), (SSC-AS)

Last Four Terms Offered: Fall 2025, Fall 2024, Fall 2023, Spring 2023

Schedule of Classes

PSYCH 2620 - Moral Development (3 Credits)

Crosslisted with HD 2620

Why and how do humans become moral beings? And what is a moral being anyways? Humans have written about these questions for as long as they have written about any deep question. Over the past century, however, empirical scientists have joined the investigation into moral development. This course will use empirical evidence to evaluate major theories of morality and its development. In the process, we will learn about topics like: cultural differences and similarities in moral orientations, the origins of helping and harming, and the development of moral reasoning and emotions childhood to adulthood.

Prerequisites: HD 1150 or HD 1170 or HD 1130 or PSYCH 1101.

Distribution Requirements: (KCM-AG), (KCM-HE)

Last Four Terms Offered: Spring 2024

Learning Outcomes:

- Understand major theories of moral development.
- Know key studies and findings about moral development, and how these support or challenge theoretical positions.
- Learn to succinctly summarize and reflect on empirical and theoretical articles on morality and moral development.

Schedule of Classes

PSYCH 2650 - Psychology and Law (4 Credits)

Crosslisted with LAW 2650, HD 2650

This course explores how cognitive, social & clinical psychology are used in law. Law makes many assumptions about human psychology, and lawyers and judges regularly rely on psychological research in their cases. The course examines the psychology underlying criminal confessions; children's testimony; the insanity defense; risk assessment; judge and jury decision making; criminal punishment; constitutional law; and common law (tort, contract, and property) disputes. The course assesses the use and misuse of psychology in these subjects.

Enrollment Information: Enrollment limited to: undergraduates.

Distribution Requirements: (D-AG, SBA-AG)

Last Four Terms Offered: Spring 2025, Fall 2022, Fall 2021, Fall 2020

Schedule of Classes

PSYCH 2750 - Introduction to Personality (3 Credits)

Crosslisted with HD 2600

What is personality? How is it scientifically studied and measured? To what extent, do biological, social, and cultural factors shape personality? Is personality an expression of our genetic make up and biology, the culmination of social influences, the interplay of both, or the result of random events? In this course, we will review the major theoretical paradigms of personality psychology, discuss contemporary research, theory, and methodology, and learn about key historical debates in the study of personality.

Prerequisites: Recommended prerequisite: introductory psychology or human development course.

Distribution Requirements: (ETM-AS, SSC-AS), (KCM-AG, SBA-AG)

Last Four Terms Offered: Fall 2025, Summer 2025, Winter 2025, Fall 2024

Schedule of Classes

PSYCH 2800 - Introduction to Social Psychology (3 Credits)

Crosslisted with HD 2810

Introduction to research and theory in social psychology. Topics include social influence, persuasion, and attitude change; culture, social interaction and group phenomena; evolution, altruism, and aggression; stereotyping, prejudice and discrimination; everyday reasoning and judgment.

Distribution Requirements: (ETM-AS, SSC-AS), (KCM-AG, SBA-AG)

Last Four Terms Offered: Summer 2025, Spring 2025, Summer 2024, Spring 2024

Schedule of Classes

PSYCH 2801 - Introduction to Social Psychology: Writing in the Majors (1 Credit)

Writing in the Majors section of PSYCH 2800. In addition to attending all the lectures in PSYCH 2800, students will attend an additional weekly seminar and all assessment is based on writing instead of exams. This course is an introduction to research and theory in social psychology, covering the same material as in PSYCH 2800 (social influence, persuasion, and attitude change; social interaction and group phenomena; altruism and aggression; stereotyping and prejudice; everyday reasoning and judgment).

Corequisites: PSYCH 2800.

Last Four Terms Offered: Spring 2025, Spring 2024, Fall 2022, Spring 2022

Schedule of Classes

PSYCH 2820 - Community Outreach (2 Credits)

Crosslisted with HD 2820

Last Four Terms Offered: Fall 2023, Fall 2022, Fall 2021, Fall 2020

Schedule of Classes

PSYCH 2830 - Research Methods in Human Development (3 Credits)

Crosslisted with HD 2830

This course will introduce students to the basics of research design and will review several methodologies in the study of human development.

The focus of the course will be on descriptive and experimental methods. Students will learn the advantages and challenges to different methodological approaches. The course also places an emphasis on developing students' scientific writing and strengthening their understanding of statistics.

Prerequisites: Recommended prerequisite: HD 1150.

Enrollment Information: Priority given to: HD majors.

Distribution Requirements: (SBA-AG), (SBA-HE)

Last Four Terms Offered: Fall 2025, Fall 2024, Fall 2023, Fall 2022

Learning Outcomes:

- The goals of the course are to encourage students to think critically, learn how to design basic research studies, and to develop their writing skills.
- Students will demonstrate their knowledge of course content, including theories, in areas of developmental and cognitive psychology in legal contexts.

Schedule of Classes

PSYCH 2930 - Introduction to Data Science for Social Scientists (3 Credits)

Crosslisted with HD 2930

Intro to Data Science for Social Scientists using R.

Distribution Requirements: (OPHLS-AG, SBA-AG), (SBA-HE), (SDS-AS)

Exploratory Studies: (CU-UG)

Last Four Terms Offered: Fall 2025, Fall 2024, Fall 2023, Spring 2023

Learning Outcomes:

- Import data from various sources (existing datasets, web-scraping).
- Use principles of tidy data management (transposing, data types, formatting).
- Manipulate data to extract needed information.
- Visualize quantitative data using a large variety of design principles.
- Run simple classifiers on data for predictive purposes.

Schedule of Classes

PSYCH 2940 - Better Decisions for Life, Love and Money (3 Credits)

Crosslisted with AEM 2020

Effective judgments and decisions are critical to success in every avenue of life. This course will explore research on the principles of sound judgment and decision making, and on the ways in which people's judgments and decisions are prone to bias and error. The course aims to improve students' critical thinking skills and to enable them to make better judgments and decisions in an increasingly complicated world. The course is taught by a team of psychologists and economists who draw on recent research in psychology and behavioral economics that can benefit the lives of students.

Distribution Requirements: (KCM-AG, SBA-AG)

Last Four Terms Offered: Spring 2025, Spring 2024, Spring 2023, Spring 2022

Learning Outcomes:

- Students will be able to make sound decisions.
- Students will be able to be aware of common biases that plague people's judgments and decisions.
- Students will be able to critically evaluate empirical evidence.
- Students will be able to evaluate the effectiveness of new ideas and policies.

Schedule of Classes

PSYCH 2945 - Data Science for Social Scientists II (3 Credits)

Crosslisted with HD 2940

This is a course on applications of data science in social science using R. We will cover fundamentals of statistical and causal inference, exploratory data analysis and data reduction, supervised learning, and recent, prominent applications of machine learning in social science.

Prerequisites: Recommended prerequisite: HD 2930.

Distribution Requirements: (OPHLS-AG), (SBA-HE)

Last Four Terms Offered: Spring 2025, Spring 2024, Spring 2022, Spring 2021

Learning Outcomes:

- Define a population of interest and quantity of interest, then sample, aggregate, and transform data to study them.
- Summarize and visualize text and network data.
- Conduct exploratory analyses in high-dimensional data.
- Implement and evaluate classifiers.
- Implement and evaluate classifiers.

Schedule of Classes

PSYCH 3020 - Methods in Neuroscience (3 Credits)

This course will expose students to a wide range of commonly used methods in neuroscience research (theory behind the method, common applications of the method, how data are collected and analyzed using the method, strengths and weaknesses of the method, etc.). The goal for students is that by the end of the course, they will be able to read and critically evaluate primary literature from many areas of neuroscience and to understand how the methods used in the study helped the researchers come to their conclusions. This course will explore methods including (but not necessarily limited to): microscopy, methods to visualize neuronal structure and function, electrophysiology, methods to measure neural activity, methods to measure and manipulate expression of genes/mRNA/protein, machine learning methods for behavioral analysis, and whole brain imaging methods in humans and non-human animals.

Distribution Requirements: (BIO-AS), (OPHLS-AG)

Last Four Terms Offered: Fall 2024, Fall 2023, Fall 2021

Schedule of Classes

PSYCH 3040 - Cognitive Neuroscience of Language (3 Credits)

Last Four Terms Offered: Fall 2023

Schedule of Classes

PSYCH 3130 - Language and Power (3 Credits)

Crosslisted with HD 3150, LING 3150, COGST 3150

In this course, we will explore how language interacts with power: how does language reflect, shape, threaten and reinforce power relations in human society? From childhood through old age, language is an ever-present source of symbolic power. We use it to develop and express our identities, to position ourselves in hierarchies, and to establish group membership and exclusion throughout life. Language shapes ourselves, our families, our social lives, and our institutions. Understanding how people use language can provide a window into hidden aspects of both individuals and the social world.

Distribution Requirements: (CA-AG, D-AG, SBA-AG), (CA-HE, D-HE), (SSC-AS)

Last Four Terms Offered: Spring 2025, Fall 2024, Spring 2024, Spring 2023

Learning Outcomes:

- To develop skills for thinking, speaking, and writing critically about social scientific questions.
- To apply these skills in analyzing the papers we discuss in class.
- To understand the role of language in the social world and its power structures.

Schedule of Classes

PSYCH 3135 - The Psychology of Good and Evil (3 Credits)

Crosslisted with COGST 3135

Morality seems to be a universal feature of humanity. People across time, place and culture have a strong sense that certain things are right or wrong, that some people are good and some are evil. Where does this moral sense come from? Why do some people disagree so strongly about what is right and wrong? How did evolution shape this moral sense? How does it develop? Are there any universal aspects of moral psychology? The goals of this course are to offer an introduction to the psychological science behind what humans know as morality.

Prerequisites: PSYCH 1101.

Distribution Requirements: (ETM-AS, SSC-AS), (KCM-AG, SBA-AG)

Last Four Terms Offered: Fall 2024, Fall 2023, Fall 2021, Fall 2020

Schedule of Classes

PSYCH 3140 - Computational Psychology (3 Credits)

Crosslisted with INFO 3140, COGST 3140

This course states and motivates the observation that cognition is fundamentally a computational process and explores the implications of this idea. Students are introduced to a variety of conceptual tools for thinking about cognitive information processing, including statistical learning from experience and the use of patterns distilled from past experience in guiding future actions. They learn to apply these tools to gain understanding of perception, memory, motor control, language, action planning, problem solving, decision making, reasoning, intelligence, and creativity. Applications of the newly acquired computational cognitive science concepts and tools to ecological issues - in particular, the accelerating climate catastrophe - are discussed in this course on a regular basis.

Prerequisites: one course each in psychology and statistics, or permission of instructor.

Distribution Requirements: (ETM-AS), (KCM-AG)

Last Four Terms Offered: Spring 2025, Spring 2024, Spring 2023, Spring 2022

Schedule of Classes

PSYCH 3150 - Obesity and the Regulation of Body Weight (3 Credits)

Crosslisted with NS 3150

Multidisciplinary discussion of the causes, effects, and treatments of human obesity. Topics include the biopsychology of eating behavior, the genetics of obesity, the role of activity and energy metabolism, the psychosocial determinants of obesity, anorexia nervosa, therapy and its effectiveness, and social discrimination. Multidisciplinary discussion of the causes, effects, and treatments of human obesity. Topics include the biopsychology of eating behavior, the genetics of obesity, the role of activity and energy metabolism, the psychosocial determinants of obesity, anorexia nervosa, therapy and its effectiveness, and social discrimination.

Prerequisites: NS 1150 or NS 1220, or one semester intro biology lecture (BIOMG 1350, BIOG 1440, or equivalent), plus Biochemistry (NS 3200, BIOMG 3300, or equivalent).

Enrollment Information: Enrollment limited to: juniors or seniors, others (with prerequisites) by permission of instructor.

Distribution Requirements: (BSC-AG, OPHLS-AG)

Last Four Terms Offered: Spring 2025, Spring 2024, Spring 2023, Spring 2022

Learning Outcomes:

- Familiarize students with the breadth of knowledge, theories, and therapies concerning energy balance and the control of food intake and energy expenditure.

Schedule of Classes

PSYCH 3160 - Auditory Perception: The Music Lab (3 Credits)

Last Four Terms Offered: Spring 2022, Spring 2021, Spring 2020, Spring 2018

Schedule of Classes

PSYCH 3190 - Memory and the Law (3 Credits)

Crosslisted with HD 3190, COGST 3190

Focuses on how the scientific study of human memory interfaces with the theory and practice of law.

Prerequisites: at least one of the following: HD 1130, PSYCH 1101, or PSYCH 2650.

Distribution Requirements: (ETM-AS), (KCM-AG, OPHLS-AG), (KCM-HE, PBS-HE)

Last Four Terms Offered: Fall 2025, Fall 2024, Fall 2023, Fall 2022

Learning Outcomes:

- Students will demonstrate the presentation of clear and effective arguments in a written communication format.
- Students will demonstrate their ability to understand and apply course material in an objective manner.

Schedule of Classes

PSYCH 3220 - Hormones and Behavior (3 Credits)

Crosslisted with BIONB 3220, HD 3220

Covers comparative and evolutionary approaches to the study of the relationship between peripheral hormones and neuroendocrine mechanisms in vertebrates, including humans, with sexual behavior, affiliative bonds and social grouping, parental behavior, aggression, mating systems, stress, learning and memory, and biological rhythms.

Prerequisites: Recommended prerequisite: any one of the following PSYCH 2230, BIONB 2210 or BIONB 2220, or two biology courses plus a psychology course.

Enrollment Information: Enrollment limited to: juniors and seniors.

Distribution Requirements: (BIO-AS), (OPHLS-AG)

Last Four Terms Offered: Spring 2025, Fall 2023, Fall 2022, Fall 2021
Schedule of Classes

PSYCH 3240 - Behavioral Neuroscience Laboratory (3 Credits)

Crosslisted with BIONB 3240, COGST 3240

This course is designed to provide an introduction to experimental research on the neural basis of behavior and cognition in animals. Topics will include basic neuroanatomy and neurophysiology, neural and hormonal control of behavior, and learning and memory. Students will gain extensive hands on experience with a variety of laboratory techniques, and animal species, and behaviors.

Prerequisites: PSYCH 2230 or BIONB 2220.

Course Fee: Course Fee, \$100. Lab fee.

Distribution Requirements: (BIO-AS), (OPHLS-AG)

Last Four Terms Offered: Fall 2025, Fall 2024, Fall 2023, Fall 2022
Schedule of Classes

PSYCH 3250 - Adult Psychopathology (3 Credits)

Crosslisted with HD 3700

A theoretical and empirical approach to the biological, psychological, and social (including cultural and historical) aspects of adult psychopathology. Readings range from Freud to topics in psychopharmacology. The major mental illnesses are covered, including schizophrenia as well as mood, anxiety, and personality disorders. Childhood disorders are not covered.

Prerequisites: any one course in psychology or human development.

Enrollment Information: Enrollment limited to: sophomores, juniors, and seniors.

Distribution Requirements: (ETM-AS), (KCM-AG)

Last Four Terms Offered: Fall 2025, Spring 2024, Spring 2023, Spring 2022

Schedule of Classes

PSYCH 3270 - Field Practicum I (3 Credits)

Crosslisted with HD 3270

Last Four Terms Offered: Fall 2022, Fall 2021, Fall 2020, Fall 2019
Schedule of Classes

PSYCH 3300 - Introduction to Computational Neuroscience (3-4 Credits)

Crosslisted with BIONB 3300, COGST 3300, BME 3300

Covers the basic ideas and techniques involved in computational neuroscience. Surveys diverse topics, including neural dynamics of small networks of cells, neural coding, learning in neural networks and in brain structures, memory models of the hippocampus, sensory coding, and others.

Prerequisites: BIONB 2220 or permission of instructor.

Distribution Requirements: (BIO-AS, SDS-AS), (OPHLS-AG)

Last Four Terms Offered: Fall 2024, Fall 2022, Fall 2018, Fall 2016

Learning Outcomes:

- Basic understanding of current theories of brain function.
- How to construct representations from tuning curves.
- Plasticity and how it relates to memory.
- Models of human memory.

Schedule of Classes

PSYCH 3310 - Developmental Psychopathology (3 Credits)

Crosslisted with HD 3300

Why do some children grow up well-adjusted and others do not?

This course applies a developmental framework to understanding psychological disorders. We will consider the common disorders of childhood and adolescence; the individual contexts which promote risk versus resiliency; trends and trajectories in disorders over time; and the complex ethical issues associated with the diagnosis and treatment of disorders early in life.

Prerequisites: HD 1130.

Distribution Requirements: (SBA-AG), (SBA-HE)

Last Four Terms Offered: Spring 2025, Fall 2023, Fall 2022, Spring 2022

Learning Outcomes:

- Students will demonstrate the capacity (1) to infer key points from a reading and (2) to link these points to other class readings, lectures, etc.

Schedule of Classes

PSYCH 3320 - Biopsychology of Learning and Memory (3 Credits)

Crosslisted with BIONB 3280

Surveys the approaches that have been or are currently being used in order to understand the biological bases for learning and memory. Topics include invertebrate, simple system approaches, avian song learning, hippocampal and cerebellar function, research using MRI in humans. Many of the readings are from primary literature.

Prerequisites: one year of biology, and either a biopsychology course or BIONB 2220.

Distribution Requirements: (BIO-AS), (OPHLS-AG)

Last Four Terms Offered: Spring 2024, Spring 2022, Spring 2021, Spring 2020

Schedule of Classes

PSYCH 3325 - Theory and Practice of Contemporary Clinical Psychology (3 Credits)

Crosslisted with HD 3325

Last Four Terms Offered: Spring 2023

Schedule of Classes

PSYCH 3380 - Stress and Coping (3 Credits)

Last Four Terms Offered: Fall 2021

Schedule of Classes

PSYCH 3420 - Human Perception: Application to Computer Graphics, Art, and Visual Display (3 Credits)

Crosslisted with VISST 3342, COGST 3420

Our present technology allows us to transmit and display information through a variety of media. To make the most of these media channels, it is important to consider the limitations and abilities of the human observer. The course considers a number of applied aspects of human perception with an emphasis on the display of visual information. Topics include three-dimensional display systems, color theory, spatial and temporal limitations of the visual systems, attempts at subliminal communication, and visual effects in film and television.

Distribution Requirements: (ETM-AS), (KCM-AG)

Last Four Terms Offered: Spring 2025, Spring 2023, Spring 2022, Spring 2021

Schedule of Classes

PSYCH 3440 - The Development of Infants (3 Credits)

Crosslisted with HD 3440

This course examines infant development from conception through toddler hood, emphasizing the interconnected growth of the whole child—biological, cognitive, emotional, and social. Drawing on contemporary research and inclusive perspectives, students explore how culture, care giving, and individual differences shape early development.

Prerequisites: HD 1130 or equivalent.

Distribution Requirements: (KCM-HE, SBA-HE)

Learning Outcomes:

- Disciplinary knowledge.
- Self-directed learning.
- Comprehend disciplines and fields.
- Critical thinking.
- Communication skills.
- Apply multi-disciplinary perspectives.
- Write, speak, and visualize.
- Scientific and quantitative reasoning.
- Information literacy.

Schedule of Classes

PSYCH 3450 - On Being Social (3 Credits)

Crosslisted with HD 3455

Humans are said to be social animals. This seminar provides an in-depth exploration of what it means to be social. Examples of topics to be covered include the fundamental need to belong and the affiliative system underlying cooperation; attachment and the proclivity to form strong affective ties throughout the life span; the biological bases of attraction and relationship formation; and the various consequences of thwarted relational needs, including the end of relationships through break-up, divorce, or death, and social alienation and chronic loneliness. We will focus on people's most intimate relationships - with partners, parents, and close friends - but will explore how our social nature is expressed in diverse ways - with unknown others, in social networks, and with political leaders, celebrities, and objects. These topics will be considered from diverse theoretical perspectives including work from social neuroscience, social, personality, developmental, cognitive, and evolutionary psychology, as well as drawing from work in communications, information science, sociology, and political science. Articles will be a combination of theoretical, review, or perspective pieces as well as empirical papers.

Distribution Requirements: (ETM-AS), (KCM-AG)**Last Four Terms Offered:** Spring 2025, Spring 2024, Spring 2023, Spring 2022

Schedule of Classes

PSYCH 3800 - Social Cognition (3 Credits)

How do we form and change our first impressions of other people? What kinds of events put us into happy versus sad moods? What explains why we persist in holding stereotypes of groups? Can we explain why we think an act is immoral? This course addresses these types of questions (and many more!) using social and cognitive psychological theory and methods. Using a variety of sources - from empirical journal articles, textbooks, TED talks, and blog-posts - we examine cutting-edge psychological research on the causes and consequences of our own and other people's judgments, feelings, attitudes, and behaviors. We use different teaching methods to accomplish these learning goals, including lectures, group activities, and small group discussions.

Prerequisites: at least one psychology course.**Distribution Requirements:** (SBA-AG), (SSC-AS)**Last Four Terms Offered:** Summer 2025, Summer 2024, Summer 2023, Summer 2022

Schedule of Classes

PSYCH 3820 - Prejudice and Stereotyping (3 Credits)

Crosslisted with HD 3820

Social group membership - based on race and ethnicity, class, sexual orientation, sex, gender and gender identity, etc. and their intersection - can profoundly influence one's experience of the world and each other. Through this course we will cover the basic experimental social psychology research on thoughts and beliefs (stereotypes), evaluative attitudes (prejudice), and behaviors (discrimination) that are based on group membership. We will explore how empirical research developed from primarily examining explicit (blatant) prejudice in the 20th century to recent examinations of implicit forms of stereotyping and prejudice. We will explore how stereotyping and prejudice can arise from basic perceptual and categorical processes, discuss strategies for minimizing expressed bias in interpersonal situations, and examine the experience of high status - and the consequences of losing it. The ultimate aim is to enhance your ability to evaluate and analyze the scientific merit of this research and apply it to real world social issues.

Distribution Requirements: (D-AG, SBA-AG), (SCD-AS, SSC-AS)**Last Four Terms Offered:** Fall 2024, Fall 2022, Fall 2021, Spring 2020

Schedule of Classes

PSYCH 4110 - Writing, Inquiry, and Communicating in STEM (3 Credits)**Last Four Terms Offered:** Spring 2025

Schedule of Classes

PSYCH 4150 - Culture, Cognition, Humanities (3 Credits)

Crosslisted with COGST 4150, COML 4229

Seminar on the essential features and qualities of culture and how it impacts human endeavors. Because understanding culture necessarily requires interaction across multiple areas of study, this interdisciplinary seminar will be based on discussions of recent research at the interface of cognitive science and the humanities. Topics may include: animal cultures, the evolution of language, the symbolic revolution, knowledge acquisitions, play, rituals and the arts.

Enrollment Information: Enrollment limited to: juniors and seniors or by permission of instructor.**Distribution Requirements:** (ALC-AS, ETM-AS), (CA-AG, KCM-AG, LA-AG)**Last Four Terms Offered:** Fall 2023, Fall 2021, Fall 2019

Schedule of Classes

PSYCH 4180 - Psychology of Music (3-4 Credits)

Crosslisted with MUSIC 4181

Last Four Terms Offered: Fall 2021, Fall 2020, Fall 2019, Spring 2019

Schedule of Classes

PSYCH 4190 - STEAM, Outreach and Community Engagement (3 Credits)**Last Four Terms Offered:** Spring 2025

Schedule of Classes

PSYCH 4210 - Native American Psychology (3 Credits)

Crosslisted with HD 4210

Distribution Requirements: (SSC-AS)**Last Four Terms Offered:** Fall 2025, Fall 2023, Spring 2022

Schedule of Classes

PSYCH 4220 - The Psychology of Misinformation (3 Credits)**Last Four Terms Offered:** Spring 2024

Schedule of Classes

PSYCH 4230 - Navigation, Memory, and Context: What Does the Hippocampus Do? (3 Credits)

Crosslisted with COGST 4230

Although the hippocampus has been the subject of intense scrutiny for nearly 50 years, there remains considerable disagreement about functional contributions the hippocampus makes to learning and memory process. This course will examine the diverse functions attributed to the hippocampus with an eye toward integrating the differing viewpoints in the literature. After a brief historical overview, students will discuss cutting-edge literature on the hippocampal role in spatial navigation, learning, and memory, and context processing.

Enrollment Information: Enrollment limited to: juniors, seniors, and graduate students.**Distribution Requirements:** (BIO-AS), (OPHLS-AG)**Last Four Terms Offered:** Spring 2025, Spring 2024, Spring 2023, Spring 2021

Schedule of Classes

PSYCH 4270 - Evolution of Language (3 Credits)

Crosslisted with COGST 4270

Seminar surveying a cross-section of modern theories, methods, and research pertaining to the origin and evolution of language. Considers evidence from psychology, the cognitive neurosciences, theoretical biology, comparative psychology, and computational modeling of evolutionary processes. Topics for discussion may include: What is special about language? What can we learn from comparative perspectives on neurobiology and behavior? Can apes really learn language? Did language come about through natural selection or cultural evolution?

Prerequisites: any one course in psychology or human development.

Enrollment Information: Enrollment limited to: juniors and seniors.

Distribution Requirements: (ETM-AS), (KCM-AG)

Last Four Terms Offered: Fall 2024, Fall 2022, Fall 2018, Fall 2016

Schedule of Classes

PSYCH 4331 - Event Cognition: How Minds, Brains and Bodies**Experience Events (3 Credits)**

Crosslisted with COGST 4331, HD 4331

People experience and remember complex and dynamic environments as events. This seminar draws on work from cognitive neuroscience to characterize how people shape experience into events, and how these processes support adaptive behavior. The course will start with discussions of historical and modern perspectives about the relationships between minds, bodies, and experience. We will then cover topics ranging from the perception of motion and causality to social learning and interaction. The primary goals are for you to be able to (1) read and evaluate research in psychology, cognitive science, and neuroscience, and (2) describe and understand the implications of this research for how minds and bodies are adapted to everyday situations.

Prerequisites: a course in PSYCH, COGST, HD or NBB.

Distribution Requirements: (ETM-AS), (KCM-AG)

Last Four Terms Offered: Fall 2024, Fall 2020

Schedule of Classes

PSYCH 4360 - Possibility and Imagination (3 Credits)

This course will cover the psychology of imagination, possibility, and fiction looking across multiple disciplines including cognitive science, philosophy, neuroscience, and more.

Distribution Requirements: (SSC-AS)

Schedule of Classes

PSYCH 4382 - Language and Thought (3 Credits)

Crosslisted with HD 4380

The intricate relations between language and thought have stirred a heated debate from ancient philosophy to the era of modern science. Does language precede thought or vice versa? Do different languages create a different understanding of one's physical and social environment? In this course we will examine some leading theories and empirical studies on the interconnections between these two complex abilities of the mind; and explore their developmental trajectories and interactions from infancy to adulthood.

Distribution Requirements: (D-AG, KCM-AG, SBA-AG), (D-HE, KCM-HE, LAD-HE)

Last Four Terms Offered: Summer 2025, Fall 2022, Summer 2022, Spring 2022

Learning Outcomes:

- Discuss the substance and validity of theories and empirical studies on the relation between language and thought.
- Discern and describe the key factors (e.g., perceptual, linguistic, cognitive, and socio-emotional) that affect children's developing relations between language and thought.
- Apply knowledge gained in objectives #1 & #2 to analyze and critique current developmental studies on the unique experience of monolingual and multilingual infants, young children and adolescents in Israel in relation to the development of the relations between language and thought.

Schedule of Classes

PSYCH 4390 - Neural Circuits for Social Behavior (3 Credits)

This course explores what is known, and what remains unknown, about the neural circuits that control social behavior, including parental behavior, sexual behavior, aggression, and vocalization. How do neural circuits control and coordinate distinct social behaviors? How are sex-typical social behaviors generated? How do past experiences and internal states influence social behavior, and what are the neural mechanisms for these effects? This course focuses mainly, although not exclusively, on research performed in non-human animals, and we'll also examine differences and similarities in the neural circuits for social behavior across species.

Distribution Requirements: (BIO-AS), (OPHL-AG)

Last Four Terms Offered: Fall 2025, Spring 2025, Spring 2023, Spring 2022

Schedule of Classes

PSYCH 4420 - The Psychology and Ethics of Technology (3 Credits)

Crosslisted with COGST 4420, HD 4425

New technologies are changing our world at a rapid pace. In many cases, the society does not fully understand the impact of technology and is not prepared for the speed of the change that is occurring. This course will explore a few of these new technologies and investigate their effects on the users and on the society at large. The topics that will be explored include face recognition, virtual reality, violence in media, general AI, and the technological singularity. We will look at the ways in which these technologies affect our lives, with a focus on education, entertainment, employment, politics, and the future of humanity.

Distribution Requirements: (ETM-AS), (KCM-AG)

Last Four Terms Offered: Fall 2025, Fall 2024, Fall 2022, Fall 2021

Schedule of Classes

PSYCH 4430 - Confronting Climate Change (3 Credits)

Crosslisted with COGST 4435, HD 4435

This course on the climate crisis acquaints students with the psychological factors underlying ecocide and anthropogenic climate change and the possible avenues for its mitigation, with a particular focus on climate justice and Indigenous knowledges and ways of relating to nature. In parallel with reading and discussing primary literature on these topics, students work on research projects, complementing theory with practice and placing it in the local geopolitical context.

Distribution Requirements: (SBA-AG), (SSC-AS)**Last Four Terms Offered:** Fall 2025, Fall 2024

Schedule of Classes

PSYCH 4500 - Psychology at the Sciencenter! (4 Credits)

Crosslisted with COGST 4500

This course will give an opportunity to learn how to communicate concepts and knowledge from the psychological sciences. We will examine the challenges associated with science communications, including ways to engage the perspectives of diverse audiences, and evaluation of the effects of the interaction on the audience's knowledge and attitudes. Most of our activities will focus on the development of exhibits for the Sciencenter of Ithaca. We will develop exhibit prototypes, evaluate the public's engagement and learning from them, and use the feedback to refine our prototypes. The goal will be to effectively convey current understanding of psychological processes to the general public, with an emphasis on engaging young children.

Last Four Terms Offered: Fall 2025, Fall 2022, Fall 2019, Spring 2018

Schedule of Classes

PSYCH 4510 - Research Seminar on the Relational Mind (1 Credit)**Last Four Terms Offered:** Fall 2025, Spring 2025, Fall 2024

Schedule of Classes

PSYCH 4550 - The Psychology of Wisdom (3 Credits)

Crosslisted with HD 4550

This course will cover the psychology of wisdom. Among the topics to be covered are the definition of wisdom, theories and models of wisdom, development of wisdom, measurement of wisdom, relations of wisdom to other characteristics, state versus trait characteristics of wisdom, teaching for wisdom, wisdom and leadership, wisdom and society.

Distribution Requirements: (CA-AG, D-AG, HA-AG, KCM-AG, SBA-AG), (CA-HE, D-HE, HA-HE, KCM-HE)**Last Four Terms Offered:** Fall 2024, Fall 2022**Learning Outcomes:**

- Disciplinary knowledge.
- Apply multi-disciplinary perspectives.
- Think critically.
- Write, speak, and use visual communications effectively.
- Understand moral and ethical reasoning using wisdom.

Schedule of Classes

PSYCH 4560 - Black Girlhood Studies: Rememory, Representation, and Re-Imagination (3 Credits)

Crosslisted with HD 4560, FGSS 4561, ASRC 4561

How has history shaped our notion of Black girlhood? What is our collective understanding of Black girlhood? How do we see and understand Black girls? Black Girlhood Studies is a multidisciplinary field that draws on education, literature, psychological, and sociological perspectives as tools to see and honor Black girls' lived experiences. In this seminar course, we will use a mixture of lectures and facilitated discussions to provide an overview of Black girlhood as it relates to historical and current-day social, political, and cultural constructions of Black girlhood within and beyond the United States. We will also interrogate how Black girls deconstruct and interrupt these social constructions by engaging in scholarly works, popular press articles, poetry, music, film, and novels. Throughout the course, we will make space to imagine a world where Black girls' ways of knowing, being, and experiencing the world are honored.

Distribution Requirements: (CA-AG, D-AG, LA-AG), (CA-HE, D-HE)**Last Four Terms Offered:** Spring 2025, Spring 2024**Learning Outcomes:**

- Identify the principles and values undergirding research and practice in Black Girlhood Studies and connect these ideas to your experiences.
- Recognize and examine the foundational concepts, theories, and research methods in the field of Black girlhood studies and articulate how the study of Black girlhood has shifted over time.
- Critically assess how political, economic, and cultural developments can impact Black girls' development and holistic wellness.
- Synthesize information from multiple sources (e.g., peer-reviewed journal articles, films, and novels) and communicate the information to a lay audience.

Schedule of Classes

PSYCH 4580 - The Science of Social Behavior (3 Credits)

Crosslisted with HD 4580, ILRGL 4580, SOC 4580

This is a capstone seminar for seniors who are interested in graduate or professional study in scientific disciplines that focus on human behavior and social interaction. The intent is to provide seniors with an opportunity to summon, integrate, and apply insights that they have acquired over the course of their undergraduate education, and give prospective graduate students the opportunity to lead discussions in a large introductory lecture course, Six Pretty Good Books. Each seminar member is part of a two or three-person team that leads the discussion together, under the supervision of a graduate teaching assistant. Seminar meetings are devoted to building lesson plans for leading an effective discussion of each of the six books. The authors vary from year to year but include Malcolm Gladwell, Michelle Alexander, Nate Silver, and Nicholas Christakis. All authors have agreed to participate in a Q&A session with the students which seminar members are required to attend.

Enrollment Information: Enrollment limited to: seniors.**Distribution Requirements:** (ICE-IL), (SBA-HE)**Last Four Terms Offered:** Fall 2024, Fall 2023, Spring 2023, Spring 2021

Schedule of Classes

PSYCH 4600 - Neural Representations (3 Credits)

Neurons generate action potentials. Brains underlie feeding, fighting, fleeing, and reproduction, also navigation, attention, sociality, art, and science. What about the middle part? This advanced seminar course examines the construction and transformations of neural representations that enable animals to comprehend and interact effectively with their environments. The curriculum emphasizes integration across levels of analysis and organization, including cellular and synaptic physiology, the emergent properties of networks, energy and information management, quantitative modeling, cognitive algorithms, and adaptive behavioral outcomes.

Prerequisites: two courses in neuroscience or biological psychology, or permission of instructor.

Distribution Requirements: (BIO-AS), (OPHLS-AG)

Last Four Terms Offered: Spring 2025, Spring 2023, Spring 2022
Schedule of Classes

PSYCH 4670 - Advanced Seminar in Mood Disorders (3 Credits)

Crosslisted with HD 4670

Each year, more than 100 million people worldwide develop clinically recognizable depression. Because of its prevalence, depression is sometimes called the common cold of psychopathology. This course provides a wide-ranging examination of the theories, methods, and major controversies in mood disorders research, including coverage of social, cognitive, and biological perspectives.

Prerequisites: HD 3300/PSYCH 3310 or HD 3320.

Distribution Requirements: (SBA-AG), (SBA-HE), (SSC-AS)

Last Four Terms Offered: Fall 2025, Spring 2025
Schedule of Classes

PSYCH 4700 - Undergraduate Research in Psychology (1-6 Credits)

Practice in planning, conducting, and reporting independent laboratory, field, and/or library research.

Exploratory Studies: (CU-UG)

Last Four Terms Offered: Fall 2025, Spring 2025, Fall 2024, Summer 2024

Schedule of Classes

PSYCH 4710 - Advanced Undergraduate Research in Psychology (1-6 Credits)

Advanced experience in planning, conducting, and reporting independent laboratory, field, and/or library research. One, and preferably two, semesters of PSYCH 4700 is required. The research should be more independent and/or involve more demanding technical skills than that carried out in PSYCH 4700.

Exploratory Studies: (CU-UG)

Last Four Terms Offered: Fall 2025, Spring 2025, Fall 2024, Spring 2024
Schedule of Classes

PSYCH 4760 - Quantitative Methods II (3 Credits)

Crosslisted with HD 4760

Last Four Terms Offered: Spring 2021, Spring 2019, Spring 2018, Spring 2017

Schedule of Classes

PSYCH 4770 - Advanced Developmental Seminar (3 Credits)

Last Four Terms Offered: Fall 2025, Fall 2018, Fall 2016, Fall 2015

Schedule of Classes

PSYCH 4771 - Psychopathology in Great Works of Literature (3 Credits)

Crosslisted with HD 4770

Last Four Terms Offered: Fall 2021, Spring 2021, Spring 2020, Spring 2019

Schedule of Classes

PSYCH 4790 - Psychology of Purity (3 Credits)

Any moral and religious systems tell us to keep a "pure heart" and that immoral acts "pollute" our souls. We dislike dirty plays and dirty players in sports, and we keep our children away from dirty movies. We are also motivated to maintain purity in the less metaphorical sense—most cultures have norms about keeping bodies and living spaces clean. We even have an emotion—disgust—that seems especially attuned to certain kinds of dirtiness (such as bodily fluids and rotten food). The concept of purity, then, appears to be a deep aspect of human psychology—from the basic motivation to maintain physical purity, to the metaphors of purity and cleanliness that feature heavily in morality and religion across cultures. In this course we will look at the psychology of purity by reading widely on the topic, including historical, religious, anthropological, and psychological topics that center on purity in both the physical and moral/spiritual sense. Our aim will be to understand how this basic notion of pure/impure or clean/dirty has come to shape our psychology and our culture.

Prerequisites: PSYCH 1101.

Distribution Requirements: (SSC-AS)
Schedule of Classes

PSYCH 4800 - Social Psychology of Race and Racism (3 Credits)

The human mind has a fundamental need to create categories. In this course we will examine how historical, developmental, cognitive, and motivational factors give rise to the construction of the social category race in the United States. We will also consider how racial group membership - and its intersections with other group memberships - can profoundly influence one's experience of the world and each other. To understand the construct of race and its consequences we will perform close reading and critical analysis of theoretical and empirical work in social psychology. As social psychologists, we are uniquely poised to answer why it is we are so drawn to categorizing people based on race, how our minds construct these categorizations, and what the downstream consequences of these categorizations are - ultimately guiding our ability to intervene. The aims of the course are to enhance students' ability to evaluate and analyze existing theory and research and to apply these readings to aid understanding of real world discrimination, disparities, and violence.

Prerequisites: PSYCH 3820.

Distribution Requirements: (D-AG, SBA-AG), (SCD-AS, SSC-AS)

Last Four Terms Offered: Spring 2025, Spring 2024, Spring 2022, Spring 2021

Schedule of Classes

PSYCH 4810 - Advanced Social Psychology (3 Credits)

The focus of this course is on discussion and critical analysis of selected articles from very recent issues of the most selective social psychological journals. Readings are chosen for their importance, their coverage of contemporary topics in social psychology, and their potential for generating stimulating discussion. Students write brief thought papers before each class in which they offer suggestions for class discussion based on their close reading of the day's assigned articles. They also write a term paper (details at first class meeting).

Enrollment Information: Enrollment preference given to: senior psychology majors.

Distribution Requirements: (SBA-AG), (SSC-AS)

Last Four Terms Offered: Fall 2025, Fall 2024, Fall 2023, Fall 2021
Schedule of Classes

PSYCH 4830 - Social Neuroscience (3 Credits)

This course reviews core findings and recent advances in social neuroscience—a growing interdisciplinary area that merges theories and methods across neuroscience and social psychology. We will focus on how neuroscience approaches help address classic questions of social psychology from new and informative angles and how studying social phenomena can advance our understanding of neuroscience. The course will give you a broad background in social neuroscience so that you may (a) be a critical consumer of this literature, (b) broaden the way you think about connections between the mind, brain, and behavior in the context of the social world, and (c) apply these ideas to inform your own ideas and future research in psychology. We will explore these questions through a mix of review articles, in-depth analyses of select empirical studies, and discussions of their implications.

Prerequisites: PSYCH 2800.

Enrollment Information: Priority given to: senior Psychology majors.

Distribution Requirements: (SBA-AG), (SSC-AS)

Last Four Terms Offered: Spring 2023, Fall 2019, Fall 2018, Fall 2017
Schedule of Classes

PSYCH 4850 - The Self (3 Credits)

Last Four Terms Offered: Spring 2022, Spring 2015, Spring 2013, Spring 2012

Schedule of Classes

PSYCH 4860 - Special Topics in Social Psychology (1 Credit)

Last Four Terms Offered: Spring 2025, Fall 2024

Schedule of Classes

PSYCH 4910 - Research Methods in Psychology (4 Credits)

Crosslisted with COGST 4910

Research methods are the tools that allow psychologists to test the validity of hypotheses. This course provides a survey of the methods used by scientists in personality and social psychology as well as related behavioral sciences to empirically test hypotheses. Specifically, this course will discuss the following topics: (1) philosophy of science; (2) research designs and methods; (3) data collection, analysis, and validity; (4) report writing; and (5) recurrent and emerging trends and issues in the field of research methods and quantitative analysis. The final project consists of writing a research proposal and giving a short oral presentation.

Distribution Requirements: (OPHLS-AG), (SDS-AS)

Last Four Terms Offered: Spring 2022, Spring 2021, Spring 2018, Spring 2017

Schedule of Classes

PSYCH 4940 - Moral Psychology in Action (3 Credits)

Crosslisted with PHIL 3915, HD 4940, COGST 4940

Moral Psychology in Action is an applied psychology course for students who want to make a difference in the world through ethical leadership and positive contributions in organizations, and who are drawn to scholarly work on psychology, ethics, and morality. The course is experiential and takes place mostly outside the classroom through students' individualized partnerships in community organizations, businesses, and institutions. Learning outcomes include enhanced critical reflection, intercultural competence, ethical practice, and the practice of applied moral psychology research methods.

Exploratory Studies: (CU-CEL)

Last Four Terms Offered: Spring 2025, Spring 2024, Spring 2023, Spring 2022

Schedule of Classes

PSYCH 4999 - Independent Study - PIRIP Program (2-12 Credits)

Last Four Terms Offered: Spring 2025, Spring 2024, Spring 2023, Spring 2022

Schedule of Classes

PSYCH 5750 - Quantitative Methods I (3 Credits)

Crosslisted with HD 5750

This course is a rigorous introduction to graduate statistics for social sciences. We will briefly review descriptive statistics and probability theory. We will discuss fundamental inferential frameworks at length, with a focus on Frequentist and Bayesian statistics. The remainder of the semester will be focused on the analysis of randomized studies.

Last Four Terms Offered: Fall 2024, Fall 2023

Learning Outcomes:

- You will gain proficiency in coding in R to achieve a variety of data-analytic tasks.
- You will be able to understand different designs for randomized studies, including factorial designs.
- You will be able to apply appropriate inferential statistics, ranging from p-values, Bayes Factors, confidence intervals, and credible intervals.

Schedule of Classes

PSYCH 5760 - Quantitative Methods II (3 Credits)

Crosslisted with HD 5760

This second part of the graduate statistics sequence is intended to teach more advanced techniques of modern quantitative data analysis, with a focus on the analysis of non-randomized studies. We will cover a variety of models, including models with linear and non-linear effects, model with random effects, and models for limited dependent variables.

Prerequisites: HD 5750 or PSYCH 5750.

Last Four Terms Offered: Spring 2025, Spring 2024

Learning Outcomes:

- You will deepen your proficiency in R to achieve more advanced data-analytic tasks.
- You will be able to understand results from a variety of models, including the general linear model, the generalized linear model, and the generalized mixed model.
- You will be able to identify core assumptions of the general linear model and probe them accordingly.

Schedule of Classes

PSYCH 6000 - General Research Seminar (0 Credits)

This course is designed to introduce first-year graduates to the Psychology Department faculty through a weekly series of presentations of current research.

Enrollment Information: Enrollment limited to: first-year graduate students in psychology.

Last Four Terms Offered: Fall 2025, Spring 2025, Fall 2024, Spring 2024

Schedule of Classes

PSYCH 6001 - Graduate Professionalism Seminar (3 Credits)

This course enhances the graduate experience and prepares first-year psychology graduate students for success. The student receives a formal introduction to conceptualizing and articulating a research project, science writing, the grant proposal and review processes, and numerous other aspects of professional development. The course serves as an opportunity for preparation for graduate studies and a career in academics or a related profession.

Enrollment Information: Enrollment limited to: first-year Psychology graduate students.

Last Four Terms Offered: Fall 2025, Fall 2024, Fall 2023, Fall 2022
Schedule of Classes

PSYCH 6020 - Methods in Neuroscience (3 Credits)

Crosslisted with COGST 6025

This course will expose students to a wide range of commonly used methods in neuroscience research (theory behind the method, common applications of the method, how data are collected and analyzed using the method, strengths and weaknesses of the method, etc.). The goal for students is that by the end of the course, they will be able to read and critically evaluate primary literature from many areas of neuroscience and to understand how the methods used in the study helped the researchers come to their conclusions. This course will explore methods including (but not necessarily limited to): microscopy, methods to visualize neuronal structure and function, electrophysiology, methods to neural activity, methods to measure and manipulate expression of genes/mRNA/protein, machine learning methods for behavioral analysis, and whole brain imaging methods in humans and non-human animals.

Last Four Terms Offered: Fall 2024, Fall 2023, Fall 2021
Schedule of Classes

PSYCH 6110 - Writing, Inquiry, and communicating in STEM (3 Credits)

Last Four Terms Offered: Spring 2025
Schedule of Classes

PSYCH 6140 - Computational Psychology (3 Credits)

Crosslisted with COGST 6140

This course states and motivates the observation that cognition is fundamentally a computational process and explores the implications of this idea. Students are introduced to a variety of conceptual tools for thinking about cognitive information processing, including statistical learning from experience and the use of patterns distilled from past experience in guiding future actions. They learn to apply these tools to gain understanding of perception, memory, motor control, language, action planning, problem solving, decision making, reasoning, intelligence, and creativity. Applications of the newly acquired computational cognitive science concepts and tools to ecological issues - in particular, the accelerating climate catastrophe - are discussed in this course on a regular basis.

Last Four Terms Offered: Spring 2025, Spring 2024, Spring 2023, Spring 2022
Schedule of Classes

PSYCH 6180 - Psychology of Music (4 Credits)

Last Four Terms Offered: Fall 2021, Fall 2020, Fall 2019, Fall 2018
Schedule of Classes

PSYCH 6190 - STEAM, Outreach and Community Engagement (3 Credits)

Last Four Terms Offered: Spring 2025
Schedule of Classes

PSYCH 6210 - Behavioral and Brain Sciences (3 Credits)

Crosslisted with COGST 6210

Last Four Terms Offered: Spring 2023, Spring 2022, Fall 2021, Spring 2021
Schedule of Classes

PSYCH 6225 - Special Topics in Social Psychology (2 Credits)

This course will cover special topics related to belief, metacognition, and reasoning.

Last Four Terms Offered: Fall 2025, Spring 2025, Fall 2024
Schedule of Classes

PSYCH 6226 - Special Topics in Quantitative Psychology (1 Credit)

This course is offered to graduate students and focuses on discussion of topics in quantitative methods, with an emphasis on current books. Each semester students will work through a contemporary advanced monograph on methods. We will be using social annotation software to prepare for readings and then have class discussion of chapters. There will be a special emphasis on causal inference and foundational research methods.

Prerequisites: PSYCH 5750, PSYCH 5760, or equivalent.

Last Four Terms Offered: Fall 2025
Schedule of Classes

PSYCH 6230 - Navigation, Memory, and Context: What Does the Hippocampus Do? (3 Credits)

Although the hippocampus has been the subject of intense scrutiny for nearly 50 years, there remains considerable disagreement about functional contributions the hippocampus makes to learning and memory process. This seminar will examine the diverse functions attributed to the hippocampus with an eye toward integrating the differing viewpoints in the literature. After a brief historical overview, students will discuss cutting-edge literature on the hippocampal role in spatial navigation, learning, and memory, and context processing.

Last Four Terms Offered: Spring 2025, Spring 2024, Spring 2023, Spring 2021
Schedule of Classes

PSYCH 6270 - Evolution of Language (3 Credits)

Seminar surveying a cross-section of modern theories, methods, and research pertaining to the origin and evolution of language. Considers evidence from psychology, the cognitive neurosciences, theoretical biology, comparative psychology, and computational modeling of evolutionary processes. Topics for discussion may include: What is special about language? What can we learn from comparative perspectives on neurobiology and behavior? Can apes really learn language? Did language come about through natural selection or cultural evolution?

Last Four Terms Offered: Fall 2024, Fall 2022, Fall 2018, Fall 2016
Schedule of Classes

PSYCH 6271 - Topics in Biopsychology (1-2 Credits)

Crosslisted with COGST 6271

Course explores current issues in Psychology. Topics vary by section.

Last Four Terms Offered: Fall 2025, Spring 2025, Fall 2024, Spring 2024
Schedule of Classes

PSYCH 6315 - Moral Change (3 Credits)

Crosslisted with HD 6315

Morality changes constantly. What is wrong in one situation is right in another. Children acquire new moral principles as they grow older. And over human history, societies have transformed their views on how to treat its members. How is moral change possible? And what is its direction-if it has one? In this seminar, we will engage with diverse perspectives on moral change. Readings will come from developmental, cognitive, and social psychological research on morality, as well as philosophy, history, and other related fields. Students will participate in weekly discussions, give a class presentation, and submit a final paper.

Enrollment Information: Enrollment limited to: graduate students.

Last Four Terms Offered: Spring 2024

Learning Outcomes:

- Understand major theoretical perspectives on situational, developmental, and historical moral change.
- Know key studies and findings about change, and how these support or challenge theoretical positions.
- Learn to summarize, synthesize, and criticize empirical and theoretical work on morality change.

Schedule of Classes

PSYCH 6331 - Event Cognition: How Minds, Brains and Bodies Experience Events (3 Credits)

Crosslisted with COGST 6331

Last Four Terms Offered: Fall 2024, Fall 2020

Schedule of Classes

PSYCH 6350 - The Psychology of Attention (3 Credits)

Last Four Terms Offered: Fall 2023, Fall 2018, Fall 2014, Fall 2013

Schedule of Classes

PSYCH 6360 - Possibility and Imagination (3 Credits)

This course will cover the psychology of imagination, possibility, and fiction looking across multiple disciplines including cognitive science, philosophy, neuroscience, and more.

Schedule of Classes

PSYCH 6370 - Special Topics: Morality and Rules (2 Credits)

This course examines how morality, rules, their intersection, and related topics shape human thought and behavior. We will investigate why rules exist, what influences how people make moral judgments about those who break rules (and those who follow them), how rules relate to social institutions, and more. Drawing on research from philosophy, social, cognitive, and moral psychology, we will explore questions about moral judgment, norm enforcement, and more. Our discussions will also consider broader contexts—drawing on perspectives from philosophy, law, political science, and evolutionary biology to examine rules not only as psychological phenomena but as central features of institutions and social life.

Schedule of Classes

PSYCH 6420 - Human Perception: Applications to Computer Graphics, Art, and Visual Display (3 Credits)

Crosslisted with COGST 6420

Our present technology allows us to transmit and display information through a variety of media. To make the most of these media channels, it is important to consider the limitations and abilities of the human observer. The course considers a number of applied aspects of human perception with an emphasis on the display of visual information. Topics include three-dimensional display systems, color theory, spatial and temporal limitations of the visual systems, attempts at subliminal communication, and visual effects in film and television.

Last Four Terms Offered: Spring 2023, Spring 2022, Spring 2021, Fall 2019

Schedule of Classes

PSYCH 6421 - Psych and Ethics of Tech 21st Century (3 Credits)

Last Four Terms Offered: Fall 2021, Spring 2020, Spring 2019

Schedule of Classes

PSYCH 6450 - On Being Social (3 Credits)

Last Four Terms Offered: Spring 2025, Spring 2024, Spring 2023, Spring 2022

Schedule of Classes

PSYCH 6460 - Human and Machine Alignment (3 Credits)

Humans and machine learning information processing systems create internal representations that enable them to perceive additional information, categorize it, make decisions, and plan actions. How can we measure the extent to which these representations align? Are machine learning representations that resemble human ones more effective? What insights about human representations can we gain from machine learning models? How can we make human and machine representations more similar? In what ways can we address ethical and safety concerns? With recent advancements in machine learning and cognitive science, these questions have become focal points of research. This course will explore this dynamic area, involving a close examination of foundational and recent papers in the emerging field of representational alignment, alongside cutting-edge research.

Schedule of Classes

PSYCH 6500 - Psychology at the Sciencenter! (4 Credits)

Last Four Terms Offered: Fall 2025, Fall 2022, Fall 2019, Spring 2018

Schedule of Classes

PSYCH 6510 - Research Seminar on the Relational Mind (1 Credit)

Last Four Terms Offered: Fall 2025, Spring 2025, Fall 2024

Schedule of Classes

PSYCH 6600 - Neural Representations (3 Credits)

Neurons generate action potentials. Brains underlie feeding, fighting, fleeing, and reproduction, also navigation, attention, sociality, art, and science. What about the middle part? This advanced seminar course examines the construction of neural circuits and systems that enable achievement of behavioral goals. The curriculum emphasizes integration across levels of analysis and organizations, including cellular and synaptic physiology, the emergent properties of networks, energy and information management, quantitative modeling, cognitive algorithm, and adaptive behavioral outcomes.

Prerequisites: two courses in neuroscience or biological psychology or permission of instructor.

Last Four Terms Offered: Spring 2025, Spring 2023, Spring 2022

Schedule of Classes

PSYCH 6655 - Topics in Cognition (3 Credits)

In this journal-club-style class we will read and discuss papers exploring a content-area in Cognition. For Spring 2025, readings will focus on relationships between language and thought (i.e., linguistic relativity).

Last Four Terms Offered: Spring 2025

Schedule of Classes

PSYCH 6760 - Quantitative Methods II (3 Credits)

Crosslisted with HD 6760

Last Four Terms Offered: Spring 2021, Spring 2019, Spring 2018, Spring 2017

Schedule of Classes

PSYCH 6770 - Advanced Developmental Seminar (3 Credits)

Last Four Terms Offered: Fall 2025, Fall 2018, Fall 2016, Fall 2015

Schedule of Classes

PSYCH 6790 - Psychology of Purity (3 Credits)

Any moral and religious systems tell us to keep a “pure heart,” and that immoral acts “pollute” our souls. We dislike dirty plays and dirty players in sports, and we keep our children away from dirty movies. We are also motivated to maintain purity in the less metaphorical sense—most cultures have norms about keeping bodies and living spaces clean. We even have an emotion—disgust—that seems especially attuned to certain kinds of dirtiness (such as bodily fluids and rotten food). The concept of purity, then, appears to be a deep aspect of human psychology—from the basic motivation to maintain physical purity, to the metaphors of purity and cleanliness that feature heavily in morality and religion across cultures. In this course we will look at the psychology of purity by reading widely on the topic, including historical, religious, anthropological, and psychological topics that center on purity in both the physical and moral/spiritual sense. Our aim will be to understand how this basic notion of pure/impure or clean/dirty has come to shape our psychology and our culture.

Schedule of Classes

PSYCH 6800 - Social Psychology of Race and Racism (3 Credits)

The human mind has a fundamental need to create categories. In this course we will examine how historical, developmental, cognitive, and motivational factors give rise to the construction of the social category of race in the United States. We will also consider how racial group membership - and its intersections with other group memberships - can profoundly influence one's experience of the world and each other. To understand the construct of race and its consequences we will perform close reading and critical analysis of theoretical and empirical work in social psychology.

Last Four Terms Offered: Spring 2025, Spring 2024, Spring 2022, Spring 2021

Schedule of Classes

PSYCH 6810 - Advanced Social Psychology (3 Credits)

The focus of this course is on discussion and critical analysis of selected articles from very recent issues of the most selective social psychological journals. Readings are chosen for their importance, their coverage of contemporary topics in social psychology, and their potential for generating stimulating discussion. Students write brief thought papers before each class in which they offer suggestions for class discussion based on their close reading of the day's assigned articles. They also write a term paper on a social psychological topic of their own choosing.

Last Four Terms Offered: Fall 2025, Fall 2024, Fall 2023, Fall 2021

Schedule of Classes

PSYCH 6830 - Social Neuroscience (3 Credits)

This course will survey the emerging field of Social Neuroscience, and examine how theories and methods of neuroscience may be used to address classic questions of social psychology from new and informative angles. The goal is to give students the tools to become critical consumers of this literature, broaden their thinking about connections between the mind, brain, and behavior in a social context, and apply these ideas to their own future research in psychology.

Prerequisites: PSYCH 2800.

Enrollment Information: Priority given to: Psychology grad students.

Last Four Terms Offered: Spring 2023, Fall 2019, Fall 2018, Fall 2017

Schedule of Classes

PSYCH 6850 - The Self (3 Credits)

Last Four Terms Offered: Spring 2022, Spring 2015, Spring 2013, Spring 2012

Schedule of Classes

PSYCH 6860 - Special Topics in Social Psychology (1 Credit)

Last Four Terms Offered: Spring 2025, Fall 2024

Schedule of Classes

PSYCH 6910 - Research Methods in Psychology (4 Credits)

Crosslisted with COGST 6910

Research methods are the tools that allow psychologists to test the validity of hypotheses. This course provides a survey of the methods used by scientists in personality and social psychology as well as related behavioral sciences to empirically test hypotheses. Specifically, this course will discuss the following topics: (1) philosophy of science; (2) research designs and methods; (3) data collection, analysis, and validity; (4) report writing; and (5) recurrent and emerging trends and issues in the field of research methods and quantitative analysis. The final project consists of writing a research proposal and giving a short oral presentation.

Last Four Terms Offered: Spring 2022, Spring 2021, Spring 2018, Spring 2017

Schedule of Classes

PSYCH 7000 - Research in Biopsychology (3 Credits)

A graduate research seminar in biopsychology.

Last Four Terms Offered: Fall 2025, Spring 2025, Fall 2024, Spring 2024

Schedule of Classes

PSYCH 7090 - Developmental Psychology (3 Credits)

Crosslisted with COGST 7090

One of four introductory courses in cognition and perception. A comprehensive introduction to current thinking and research in developmental psychology that approaches problems from both psychobiological and cognitive perspectives. We will use a comparative approach to assess principles of development change. The course focuses on the development of perception, action, cognition, language, and social understanding in infancy and early childhood.

Last Four Terms Offered: Spring 2025, Spring 2024, Spring 2023, Spring 2022

Schedule of Classes

PSYCH 7100 - Research in Human Experimental Psychology (3 Credits)

A graduate research seminar in human experimental psychology.

Last Four Terms Offered: Fall 2025, Spring 2025, Fall 2024, Spring 2024

Schedule of Classes

PSYCH 7160 - Auditory Perception: The Music Lab (4 Credits)

Last Four Terms Offered: Spring 2022, Spring 2021, Spring 2020, Spring 2018

Schedule of Classes

PSYCH 7200 - Research in Social Psychology and Personality (3 Credits)

A graduate research seminar in social psychology and personality.

Last Four Terms Offered: Fall 2025, Spring 2025, Fall 2024, Spring 2024

Schedule of Classes

PSYCH 7220 - Hormones and Behavior (3 Credits)

Covers comparative and evolutionary approaches to the study of the relationship between reproductive hormones and sexual behavior in vertebrates, including humans. Also hormonal contributions to other social behavior (parental behavior, aggression, mating systems) stress, learning and memory, and biological rhythms.

Last Four Terms Offered: Spring 2025, Fall 2023, Fall 2022, Fall 2021

Schedule of Classes

PSYCH 7750 - Proseminar in Social Psychology I (2 Credits)

First semester of a year-long discussion-seminar course intended to give graduate students an in-depth understanding of current research and theory in social psychology. Emphasizes social cognition, but other topics, such as group dynamics, social influence, moral psychology, and emotional experience, are covered.

Enrollment Information: Enrollment limited to: graduate students in social psychology.

Last Four Terms Offered: Fall 2025, Fall 2024, Fall 2023, Fall 2022

Schedule of Classes

PSYCH 7760 - Proseminar in Social Psychology II (2 Credits)

Second semester of a year-long discussion-seminar course intended to give graduate students an in-depth understanding of current research and theory in social psychology. Emphasizes social cognition, but other topics, such as group dynamics, social influence, moral psychology and emotional experience are covered.

Enrollment Information: Enrollment limited to: graduate students in social psychology.

Last Four Terms Offered: Spring 2025, Spring 2024, Spring 2023, Spring 2022

Schedule of Classes

PSYCH 9000 - Doctoral Thesis Research in Biopsychology (3 Credits)

A graduate seminar on doctoral thesis research in biopsychology.

Last Four Terms Offered: Fall 2025, Spring 2025, Fall 2024, Spring 2024

Schedule of Classes

PSYCH 9100 - Doctoral Thesis Research in Human Experimental Psychology (3 Credits)

A graduate seminar on doctoral thesis research in human experimental psychology.

Last Four Terms Offered: Fall 2025, Spring 2025, Fall 2024, Spring 2024

Schedule of Classes

PSYCH 9200 - Doctoral Thesis Research in Social Psychology and Personality (3 Credits)

A graduate seminar on doctoral thesis research in social psychology and personality.

Last Four Terms Offered: Fall 2025, Spring 2025, Fall 2024, Spring 2024

Schedule of Classes