The aim of the Psychology Department is to provide students with an understanding of human behavior that will support their ability to add to scientific knowledge, to help others, and to participate as informed members of our society. One path to this goal involves mastery of the theoretical concepts psychologists use in describing and understanding behavior; the other involves competence in the use of the scientific methodologies employed in the study of behavior. We emphasize the importance of both concepts and methods across diverse topic areas within psychology, including biological, cognitive, social, personality, and culture.

Learning Goals

The Haverford psychology program aims to instill in our students an excitement for learning about the mind and behavior and to develop skills for making original contributions in basic research or application of psychological knowledge. Our curriculum emphasizes a hands-on and inclusive approach that builds students’ ability to do the following:

- Articulate and evaluate foundational theories and concepts from the major subfields of psychology;
- Conduct primary research with methodological rigor, using sophisticated technologies and analytic approaches to generate new knowledge;
- Think critically about ideas and findings, developing healthy skepticism, tolerance of ambiguity, and consideration of alternative explanations;
- Value and engage with diverse socio-cultural contexts, perspectives, and contributions;
- Embody ethical scientific practice and community engagement;
- Communicate psychological findings and principles effectively through multiple modes (oral, written, and visual), in styles appropriate for both scientific and nonscientific audiences;
- Apply psychological research to broader societal domains, such as mental and physical health, social work, education, law, policy, and industry.

Haverford’s Institutional Learning Goals are available on the President’s website, at http://hav.to/learninggoals.

Major Requirements

The psychology major contains a breadth requirement, a general research requirement, a discipline-specific research requirement, and a senior project, as described below:

Breadth Requirement

- One semester of introductory psychology: PSYC H100 (Foundations of Psychology).
- PSYC H200 (Experimental Methods and Statistics), or Bryn Mawr PSYC B205.
- Six additional psychology courses beyond the introductory level, with at least one taken from each of the following groups:
  - social and personality psychology
  - biological psychology
  - cognition.
  - One of these courses must be a full-credit 300-level course (i.e., a seminar).
- See the Psychology Student Guidebook on the departmental website for details on which classes fulfill each of these groups.
- Two laboratory courses.
- One of the following senior thesis options:
  - two semesters of empirical senior research or
  - a one semester non-empirical senior thesis and an additional psychology course beyond the introductory level.

We typically accept equivalent courses within the Tri-Co, with permission of the department, to fulfill major requirements. However, not all courses in other departments fit into the above designated areas. See the Psychology Student Guidebook for more information. As a general rule, no more than two courses taken outside of the Tri-Co may count toward the psychology major. This includes courses taken for a study abroad program. All courses taken outside of the Tri-Co for major credit must be submitted to the department for approval.

Research Requirement

The research requirement of the major trains students to think scientifically about psychological questions and to understand empirical approaches to the discipline. In addition, students obtain hands-on training in conducting behavioral research and answering original research questions.

General Research Training

Students take one semester of Experimental Methods and Statistics (PSYC H200). In this lecture and lab course, students will learn the principles of statistics and research design. In lab sessions, students put the statistical techniques that they learn during lectures into practice by designing and conducting several different kinds of data collection and analyses. This course is equivalent to PSYC B205 at Bryn Mawr; either PSYC H200 or PSYC B205 will be offered in each semester. Either of these courses is a prerequisite for the following lab course requirement.

Discipline-Specific Research Training

- Lab courses: One half-credit 300-level lab course for psychology majors in the graduating classes of 2021 and 2022. These courses must be taken in the Haverford Psychology Department and typically have PSYC H200 as a prerequisite.
- Senior Research: By the time psychology majors reach the senior year, they are well prepared to carry out their senior research requirement. If students choose the year-long original empirical project, they will be involved in all phases of the research process; from formulating the questions, designing the study, collecting and analyzing data, and presenting the research both orally and in writing. If students choose the one-
For two semester projects, students are to:

- one vs. two semester projects but can be summarized as follows:

  sophisticated critical thinking skills that vary somewhat between
  research question of interest. This, in turn, leads to increasingly
  skills acquired in the earlier parts of our curriculum to a specific
  students are required to integrate the content knowledge and
  The senior thesis is envisioned as a capstone experience in which
  topic along with their own original synthesis and analysis of the issues.

  • develop and articulate testable hypotheses that are
  contextualized within the psychological literature using the
  scientific method of inquiry.
  • design and conduct a rigorously conceived empirical study to
  test the stated hypotheses, using the methods that are normative
  within that discipline.
  • analyze the empirical data that has been collected using the
  appropriate statistical techniques to test the stated hypotheses,
  and interpret those analyses with respect to the stated
  hypotheses.
  • describe the results of the study using
    • correct statistical notation and
    • clear, concise, and accessible language.
  • interpret the results and discuss how they relate to past research
    findings and/or theory on the chosen topic.
  • identify the strengths and limitations of the current project.
  • imagine directions for future research and applications based
    on the findings of the study conducted.
  • work cohesively within a collaborative lab group (if conducting
    research in a group).
  • communicate the study in the form of a written research report
    that is clear and sophisticated with regards to scholarly writing.
  • present the project orally to the department (faculty and peers)
    clearly and concisely.
  • demonstrate mastery of the research topic and ownership of the
    empirical project.

  For one-semester projects, students are to:

  • thoroughly review the extant literatures on the chosen topic
    and integrate those literatures into a cohesive summary of past
    work.
  • develop a novel theoretical framework or original application
    of the literature.
  • communicate their work in the form of a written manuscript
    that is clear and sophisticated with regards to scholarly writing.
  • present the project orally to the department (faculty and peers)
    clearly and concisely.
  • demonstrate mastery of the research topic and ownership of the
    project.

Senior Project

The senior thesis experience is the capstone of the psychology major. In a typical thesis project, each student works closely with a faculty advisor and a small group of fellow seniors to carry out an original research study. A detailed description of this process is set out in the annual departmental Guide to the Psychology Senior Thesis Experience (available as PDF download or from the department chair).

In the course of this project, students apply skills and knowledge that they acquired during previous coursework in the psychology major. Thesis students do not merely learn about research that has already been done in psychology. Rather, they collect new data to address questions of interest. In this way, the thesis embodies the highest level of scholarship, in which students strive to contribute original knowledge to the field.

The thesis project is typically carried out over two semesters. In the first semester, students work to identify a conceptual question of interest, read and integrate background literature on that topic, and formulate a novel research plan. In the second semester, students carry out their proposed studies by collecting data, statistically analyzing the results of the study, and interpreting how the results relate to the study’s original hypothesis. Both semesters involve intensive writing, with detailed feedback from the faculty advisor.

An alternative option is a one-semester, non-empirical project that may be appropriate in some circumstances. In the one-semester project, a student conducts an in-depth literature review of a given topic along with their own original synthesis and analysis of the issues, and submits a paper that relates this work.

Senior Project Learning Goals

The senior thesis is envisioned as a capstone experience in which students are required to integrate the content knowledge and skills acquired in the earlier parts of our curriculum to a specific research question of interest. This, in turn, leads to increasingly sophisticated critical thinking skills that vary somewhat between one vs. two semester projects but can be summarized as follows:

For two semester projects, students are to:

- thoroughly review the extant literatures on the chosen topic
  and integrate those literatures into a cohesive rationale for an
  empirical project.
  • develop and articulate testable hypotheses that are
    contextualized within the psychological literature using the
    scientific method of inquiry.
  • design and conduct a rigorously conceived empirical study to
    test the stated hypotheses, using the methods that are normative
    within that discipline.
  • analyze the empirical data that has been collected using the
    appropriate statistical techniques to test the stated hypotheses,

Senior Project Assessment

Senior thesis work is assessed via two main components: the strength of the student’s paper and their contribution to the thesis project.

- The paper is evaluated on a number of criteria, including the
  thoroughness of the background literature review, its overall
  organization, accuracy, style, the student’s creative input, their
  ability to integrate different ideas in a novel and cogent fashion
  and finally, whether arguments and conclusions are persuasive
  given the issues at hand. Each student is expected to hand in an
  individual paper, even if working as part of a thesis group.
- The student’s degree of active involvement in the senior thesis
  experience is also assessed. During the fall semester, we
  consider the extent to which each student helps shape the study
  questions, design, and methodology of the project. During the
  spring, we consider the effort expended in the data collection
  and analysis phases of the study, and the contribution to
  project presentations and the final poster. Although the paper is
  weighted more heavily than the project contribution in arriving
  at the final course grade, it is possible to write an excellent
  paper but receive a significantly lower grade due to insufficient
  involvement with the project.
The primary research advisor and second reader will evaluate work based on the above criteria. Final grades are determined by a consensus process involving all department members, who will discuss each student’s performance and compare it with other students, both past and present, in order to arrive at a fair evaluation of your work.

For a two-semester thesis, the following criteria are used grading the first semester paper:

4.0 work for the first semester indicates a paper that has gone above and beyond a summary of the relevant literature in terms of scope, synthesis and integration. In addition to reflecting a nearly flawless paper that provides a coherent rationale for the study to be undertaken, this grade can also represent exceptional or original independent contributions, or individual effort that has gone beyond what is normally expected. A grade of 4.0 is not commonly awarded during the first semester.

3.7 work for the first semester indicates an extremely thorough, coherently organized, and generally well-written summary of the literature that identifies all of the seminal work that has led up to the current study. In addition, this grade reflects that the rationale for the current study is abundantly clear and the procedures to be used are well-described. There may be improvements that can be made to this paper, but there are no major areas of deficiency.

3.3 work for the first semester reflects a good to very good paper that needs improvement in one or more areas. The literature review may need to be more thorough, or the literature better summarized or integrated. The writing may be choppy or difficult to follow in some areas. There may be conceptual gaps that lead to an incomplete rationale for the study to be undertaken.

3.0 work for the first semester indicates that although the paper is good, there are several areas in which improvement can be made. For example, the literature review may have been too scant or poorly integrated. That is, the paper may have included summaries of appropriate studies without integrating how those studies support an important point or how they relate to the study that you are undertaking. The literature review may not have been thorough enough or may have relied too heavily on non-primary sources. In general, the reader may have had a difficult time understanding how the literature review culminates in the problem to be addressed in the current study.

Requirements for Honors
The department awards honors to majors who show exceptionally high attainment in their coursework and demonstrate work in senior research or senior thesis and related research courses that is of superior quality.

Minor Requirements
The Haverford minor in psychology consists of six credits in psychology including:

- PSYC H100 (Foundations of Psychology), and
- Five additional psychology courses beyond the introductory level, with at least one from two of the following groups:
  - social and personality psychology
  - biological psychology
  - cognition.

See the Guidebook on the departmental website for details on which classes fulfill the requirements for each of these groups. As a general rule, no more than two courses taken outside of the Tri-Co may count toward the psychology minor. This includes courses taken for a study abroad program. All courses taken outside of the Tri-Co for major credit must be submitted to the department for approval.

Concentrations and Interdisciplinary Minors

Minor in Neuroscience
The minor in neuroscience is designed to allow students with any major to pursue interests in behavior and the nervous system across disciplines. The Psychology Department offers courses that contribute to this minor, and many of our majors elect to complete this minor.

Multidisciplinary Health Studies Minor
The goal of the Multidisciplinary Health Studies Minor is to give greater context to the issues facing health professionals on local, national, and global scales. The structure of this program is intentionally multidisciplinary, bringing scientists together with social science and humanities professors to guide students through the political, cultural and ethical questions that relate to health issues worldwide. The Psychology Department contributes several courses to the Multidisciplinary Health Studies Minor, which is popular with our majors.

Concentration in Education
The Bryn Mawr-Haverford Education Program invites students to study the discipline of education; explore the interdisciplinary field of educational studies; begin the path of teacher preparation for traditional classrooms; and participate in teaching experiences in a range of classroom and extra-classroom settings. Given its connection to psychology, some of our majors choose to concentrate in the Bryn Mawr-Haverford Education Program.

Study Abroad
Some psychology majors may opt to study abroad during the fall or spring semester of junior year. Many students are able to complete the psychology major while at Haverford and opt to take courses in other disciplines while studying abroad. However, psychology students may earn up to two major credits while studying abroad, pending approval from the chair of the Psychology Department. Students may consult the Psychology Student Guidebook for a list of study abroad courses that have already been approved for major credit. For courses not on this list, students must provide documentation (e.g., course description, syllabus) to the chair for review in order to gain approval.
Facilities
A description of laboratories, equipment and other special facilities for this program is available on the departmental website.

Affiliated Faculty
Laura Been
Associate Professor of Psychology

Emily Black
Visiting Assistant Professor of Neuroscience

Marilyn Boltz
Professor of Psychology

Stacia Bourne
Visiting Assistant Professor of Psychology

Jane Chandlee
Assistant Professor of Linguistics

Rebecca Compton
Professor of Psychology and Director of Neuroscience

Samantha Fortin
Visiting Assistant Professor of Psychology

Shu-wen Wang
Associate Professor and Chair of Psychology

James Keane
Registrar, Director of Academic Assessment and Operations, Associate Dean of the College

Benjamin Le
Associate Provost for Faculty Development; Professor of Psychology

Ryan Lei
Assistant Professor of Psychology

Jennifer Lilgendahl
Associate Professor of Psychology

Megan Massa
Visiting Assistant Professor of Psychology

Megan Nadzan
Visiting Assistant Professor of Psychology

Patrese Robinson-Drummer
The Prockop Assistant Professor of Neuroscience

Courses
PSYC H100 FOUNDATIONS OF PSYCHOLOGY (1.0 Credit)
Marilyn Boltz, Samantha Fortin
Division: Social Science
Domain(s): B: Analysis of the Social World
An introduction to the study of mind and behavior. Topics include biological, cognitive, personality, abnormal, and social psychology, as well as a general consideration of the empirical approach to the study of behavior. This course is a prerequisite for most other 200 and 300 level psychology courses. However, in most cases, this prerequisite may be met with an AP Psychology score of 4 or 5 or IB Psychology credit. Prerequisite(s): Students with AP Psychology credit from high school (and a score of 4 or 5 on the AP exam) have the option to waive the Foundations course and enroll in upper-level courses; this should be done only after consultation with a faculty member in the Psychology Department. Students are welcome to take PSYCH 100 even if they have AP Psychology credit from high school (and a score of 4 or 5 on the AP exam).
(Offered: Fall 2022)

PSYC H200 RESEARCH METHODS AND STATISTICS (1.0 Credit)
Megan Nadzan
Division: Quantitative; Social Science
Domain(s): B: Analysis of the Social World
A general overview of the research methods used in psychological science along with training in the statistical methods used in the field. Activities focus on designing research studies, collecting data, data analysis, and presenting results through written assignments. Prerequisite(s): PSYC 100 or PSYC B105 or Psychology AP Score of 4 or instructor consent
(Offered: Fall 2022)

PSYC H210 DEVELOPMENTAL PSYCHOLOGY (1.0 Credit)
Stacia Bourne
Division: Social Science
Domain(s): B: Analysis of the Social World
An examination of human development, surveying the physical, cognitive, social and emotional changes individuals undergo from conception onward. Theoretical and empirical approaches to the growing person will be explored through lectures, readings in the primary research literature, and class discussions. This course is mutually exclusive with PSYCB211 and PSYCB206, meaning students who are interested in this course can take this one, or one of the two alternatives at Bryn Mawr, but not both. Prerequisite(s): PSYC H100 or PSYC B105 or Psychology AP Score 4+ or consent.
(Offered: Spring 2023)
PSYC H215 PERSONALITY PSYCHOLOGY (1.0 Credit)
Jennifer Lilgendahl
Division: Social Science
Domain(s): B: Analysis of the Social World
An examination of the fundamental issues and questions addressed by personality psychology, including: What is personality? What are its underlying processes and mechanisms? How does personality develop and change over time? What constitutes a healthy personality? This course will explore these questions by considering evidence from several major approaches to personality (trait, psychodynamic, humanistic, and social-cognitive), and it will encourage students to develop a dynamic understanding of human personality that is situated within biological, social, and cultural contexts. Prerequisite(s): PSYC 100 or PSYC B105 or Psychology AP Score 4 or instructor consent
(Offered: Fall 2022)

PSYC H217 BEHAVIORAL NEUROSCIENCE (1.0 Credit)
Megan Massa
Division: Natural Science
Domain(s): B: Analysis of the Social World; C: Physical and Natural Processes
Interrelations between brain, behavior, and subjective experience. The course introduces students to physiological psychology through consideration of current knowledge about the mechanisms of mind and behavior. Crosslisted: Psychology, Biology
Prerequisite(s): Any one of the following or instructor consent: PSYC 100, PSYC B105, BIOL H123, BIOL H124, BIOL H128, BIOL H129, NEUR H100, Psychology AP Score 4
(Offered: Fall 2022)

PSYC H220 THE PSYCHOLOGY OF TIME (1.0 Credit)
Marilyn Boltz
Division: Social Science
Domain(s): B: Analysis of the Social World
An examination of the various ways in which time is experienced and influences psychological behavior. Topics include: the perception of rhythm, tempo, and duration; temporal perspective; societal concepts of time; neural substrates of temporal behavior. Prerequisite(s): PSYC H100 or PSYC B105 or Psychology AP Score 4 or instructor consent
(Offered: Fall 2022)

PSYC H224 SOCIAL PSYCHOLOGY (1.0 Credit)
Megan Ndzan
Division: Social Science
This course is designed as an in-depth exploration into the field of Social Psychology. Topics include impression formation, perceiving groups, social identity, attitudes/persuasion, social influence, group processes, aggression/Altruism, and interpersonal attraction will be discussed. In addition to these specific topic areas, overarching themes and theoretical issues, within the field of social psychology will be emphasized throughout the course. Students will become familiar with the research that has contributed to the current social psychology knowledge base. Prerequisite(s): PSYC 100 or PSYC B105 or Psychology AP Score of 4 or instructor consent

PSYC H228 FIRST LANGUAGE ACQUISITION (1.0 Credit)
Jane Chandlee
Division: Social Science
Domain(s): B: Analysis of the Social World
A seminar course on how humans acquire native language(s). The class surveys acquisition theories and the experimental methodologies that test them. Topics include a range of linguistic areas (phonology, morphology, syntax, semantics), and contexts (monolingual, multilingual, and atypical development). Crosslisted: Linguistics, Psychology Prerequisite(s): Any one of the following: LING 101, 113, 114, 115, or Swarthmore equivalent.
(Offered: Spring 2023)

PSYC H242 CULTURAL PSYCHOLOGY (1.0 Credit)
Shu-wen Wang
Division: Social Science
Domain(s): B: Analysis of the Social World
An examination of cultural variation in psychological processes, covering development, personality, social behavior, neuroscience and genetics, and acculturation and multiculturalism. Prerequisite(s): PSYC 100 or PSYC B105 or Psychology AP Score of 4 or instructor consent
(Offered: Fall 2022)

PSYC H245 HEALTH PSYCHOLOGY (1.0 Credit)
Division: Social Science
Explores psychological processes that influence health, from a socio-structural perspective. Topics include: personality and disease, stress and illness, chronic health conditions, health promotion and disease prevention through behavior change, and the importance of lifestyles and social environment. Crosslisted: Psychology, Health Studies Prerequisite(s): PSYC 100 or PSYC B105 or Psychology AP Score of 4 or instructor consent

PSYC H260 COGNITIVE NEUROSCIENCE (1.0 Credit)
Rebecca Compton
Division: Natural Science
Domain(s): C: Physical and Natural Processes
An examination of the neural basis of higher mental functions such as object recognition, attention, memory, spatial functions, language, and decision-making. Major themes include mind/brain relationships, localization of function, and the plasticity of the brain. Prerequisite(s): PSYC 100 or PSYC B105 or NEUR 100 or Psychology AP Score of 4 or instructor consent

PSYC H303 PSYCHOLOGY OF MUSIC (1.0 Credit)
Marilyn Boltz
Division: Social Science
Domain(s): B: Analysis of the Social World; C: Physical and Natural Processes
What functions does music serve and how does it influence behavior? This course examines the evolutionary and biological bases of music as well as its effects upon cognition, social behavior, and our sense of self and identity. Prerequisite(s): PSYC
100. PSYC 200, and at least one additional 200-level course in psychology.  
*(Offered: Fall 2022)*

**PSYC H305 COMMUNICATING PSYCHOLOGICAL SCIENCE (0.5 Credit)**  
*Samantha Fortin*  
**Division:** Social Science  
**Domain(s):** B: Analysis of the Social World  
The forms of communication in psychological science, including writing funding requests, research proposals, empirical research reports, research reviews, and peer review, are covered. Oral presentation of research will be emphasized, and science journalism and academic blogging will be explored. Prerequisite(s): PSYC 200 and at least one additional 200-level Psychology course.  
*(Offered: Spring 2023)*

**PSYC H307 EXPLORING THE NEURAL BASIS OF LEARNING AND MEMORY (1.0 Credit)**  
*Patrese Robinson-Drummer*  
**Division:** Natural Science  
This course will survey the neural basis of learning and memory. In exploring how humans ‘learn and remember’ students will learn how cognitive processes like encoding consolidation, storage and retrieval can be studied with a diversity of neuroscience techniques and approaches. Prerequisite(s): PSYC 217 or equivalent.

**PSYC H310 LAB IN DEVELOPMENTAL PSYCHOLOGY (0.5 Credit)**  
*Ryan Lei*  
**Division:** Social Science  
**Domain(s):** B: Analysis of the Social World  
This course will focus on the development of skills necessary for evaluating, implementing, and presenting empirical research in Developmental Psychology. Students will learn how research with young children is done and help to collect and analyze data to address these questions. Please note that there will be weekend work as part of this course. Additionally, students should be advised that data analysis will be done using the R statistical software package. Pre-requisite(s): prior enrollment in Psychology 210 (or Bryn Mawr’s equivalent) and Psychology 200.

**PSYC H315 LABORATORY IN PERSONALITY PSYCHOLOGY (0.5 Credit)**  
*Jennifer Lilgendahl*  
**Division:** Social Science  
**Domain(s):** B: Analysis of the Social World  
An overview of methods used to conduct research on personality. Through lab activities and class projects, students will learn about important methodological topics within the study of personality, including measurement, reliability and validity, different modes of data collection (self-report questionnaires, interviews and narratives, observational and experimental approaches), and how to analyze and interpret personality data. Prerequisite(s): Past or concurrent enrollment in PSYC 215 is required. Prior completion of PSYC 200 or PSYC B205 is recommended; however, concurrent enrollment in PSYC 200 or PSYC B205 may be permissible with instructor consent.  
*(Offered: Fall 2022)*

**PSYC H317 LABORATORY IN BEHAVIORAL NEUROSCIENCE (0.5 Credit)**  
*Patrese Robinson-Drummer*  
**Division:** Natural Science  
**Domain(s):** C: Physical and Natural Processes  
Prerequisite(s): Past or concurrent enrollment in PSYC 217 (Behavioral Neuro) is required. Completion of Stats/Methods (PSYC H200 or PSYC B205) is strongly recommended; however, concurrent enrollment with Stats/Methods may be permissible with consent.  
*(Offered: Spring 2023)*

**PSYC H318 NEUROBIOLOGY OF DISEASE (1.0 Credit)**  
**Division:** Natural Science  
**Domain(s):** C: Physical and Natural Processes  
A survey of disorders of the central nervous system, providing both a clinical perspective on the disease and research-based outlook focused on the pathophysiological mechanisms that underlie the disease state. Crosslisted: Psychology, Health Studies  
Prerequisite(s): PSYC 217, 260, or Bryn Mawr PSYC 218, or instructor consent  
Lottery Preference(s): Senior neuroscience concentrators.

**PSYC H320 LABORATORY IN THE PSYCHOLOGY OF TIME (0.5 Credit)**  
*Marilyn Boltz*  
**Division:** Social Science  
**Domain(s):** B: Analysis of the Social World  
An overview of the different methodologies used in the psychological study of time. During laboratory sessions, students will explore some different temporal phenomena through the use of the empirical method and both the collection and analysis of statistical data. Prerequisite(s): PSYC H200 or PSYC B205 and past or concurrent enrollment in PSYC H213, B212, or H220, or instructor consent  
*(Offered: Spring 2023)*

**PSYC H321 REVOLUTIONS IN PSYCHOLOGY (1.0 Credit)**  
*Laura Been*
Division: Social Science
Domain(s): B: Analysis of the Social World
An examination of several key, revolutionary developments in the field of Psychology that produced paradigm-shifts in our thinking of the relationship between the brain and behavior. Prerequisite(s): Any 200-level psychology course, or instructor consent

PSYC H323 RESEARCH ETHICS IN PSYCHOLOGY (0.5 Credit)
Rebecca Compton
Domain(s): B: Analysis of the Social World
Examines ethical issues in the conduct of psychological research. Issues will include those common to all sciences (e.g., scientific integrity, data manipulation, intellectual property) and those more specific to psychological research (e.g., protection of diverse human and nonhuman research participants). Prerequisite(s): Any 200-level course in psychology, or instructor consent (Offered: Fall 2022)

PSYC H324 LABORATORY IN SOCIAL PSYCHOLOGY (0.5 Credit)
Ryan Lei
Division: Social Science
Students will become familiar with the methodological and measurement practices that are commonly employed in social psychological research. Both experimental and survey methodologies will be explored, with students completing activities and projects to gain relevant research experience. Prerequisite(s): Completion of Stats/Methods (PSYC H200 or Psyc B205) and past or concurrent enrollment in Social Psychology (PSYC H224 or PSYC B208), or instructor consent

PSYC H327 OBESITY: PSYCHOLOGY, PHYSIOLOGY, AND HEALTH (1.0 Credit)
Staff
Division: Social Science
Domain(s): B: Analysis of the Social World
An examination of the causes and consequences of obesity at individual and societal levels. Focuses on mechanisms of body weight regulation along with the wide-scale changes in diet, eating habits, and physical activity that have contributed to the obesity epidemic. Crosslisted: Psychology, Health Studies Prerequisite(s): PSYC H100 or PSYC B105 or Psychology AP Score 4, and one topical 200-level Psychology course (i.e., not PSYC H200, B205), or instructor consent

PSYC H328 NEUROBIOLOGY OF SEXUAL BEHAVIOR (1.0 Credit)
Laura Been
Division: Natural Science
Domain(s): C: Physical and Natural Processes
An examination of the neurobiology underlying sexual behavior. This seminar will focus on systems-level understanding of the neural regulation of both pre-copulatory and copulatory behavior, drawing from primary literature in invertebrate, rodent, and human model systems. Prerequisite(s): PSYC 100 and PSYC 217, or instructor consent

PSYC H329 NEUROSCIENCE AND SOCIETY (1.0 Credit)
Rebecca Compton
Division: Social Science
Domain(s): B: Analysis of the Social World; C: Physical and Natural Processes
Examines the intersection between neuroscience research and broad domains of society, including education, law, politics, and the marketplace. The course will emphasize critically evaluating appropriate versus inappropriate application of neuroscientific findings to these various societal domains. Prerequisite(s): 200-level coursework in neuroscience, e.g. Psych 217 or Psych 260

PSYC H331 PSYCHOLOGY, PRIVILEGE, OPPRESSION, AND JUSTICE (1.0 Credit)
Division: Social Science
Domain(s): B: Analysis of the Social World
An exploration of privilege and oppression as they relate to psychology and social justice on individual, relational, and systemic levels. Includes self-reflection and exploration of our own intersectionality as future providers of human services and engagers in social justice action. Prerequisite(s): One of the following 200-level courses (or their equivalent): Abnormal Psychology (Psychology 209); Personality Psychology (Psychology 215); Cultural Psychology (242); Social Psychology

PSYC H332 CHALLENGES IN CHILD DEVELOPMENT (1.0 Credit)
Division: Social Science
Domain(s): B: Analysis of the Social World
We will explore the challenges that typical children meet as they develop autonomy and self-regulation and establish social relationships. We’ll also study the particular challenges facing children with special needs and their caregivers and discuss diagnosis and intervention. Prerequisite(s): any 200-level course in Psychology

PSYC H333 THE ORIGINS OF MORALITY (1.0 Credit)
Division: Social Science
Domain(s): B: Analysis of the Social World
There has been a boom in research on morality in recent decades across disciplines including evolutionary biology, economics, psychology, and neuroscience. This course surveys the literature to make the case that understanding morality requires multiple disciplines and levels of analysis. Prerequisite(s): Any 200-level course in PSYC

PSYC H334 NEUROBIOLOGY OF AGING (1.0 Credit)
Staff
Division: Natural Science
Domain(s): C: Physical and Natural Processes
This course will take an in-depth look at age-related changes in the central nervous system (CNS), focusing on both neuronal and non-neuronal contributors. The relationship of these nervous system changes to age-related cognitive decline will be highlighted. Crosslisted: Psychology, Biology Prerequisite(s): PSYC H217 or PSYC B218 or BIOL H200
PSYC H335 NARRATIVE IDENTITY (1.0 Credit)
Jennifer Lilgendahl
Division: Social Science
Domain(s): B: Analysis of the Social World
This course is an in-depth examination of the field of narrative identity, which takes as its guiding assumption that identity is constructed through finding meaning in past experiences and narrating our life stories. Course readings will draw from both quantitative and qualitative traditions and from several fields of psychology (developmental, personality, cultural, and clinical). Topics to be addressed include the development of narrative identity from childhood to old age, how cultural, historical, and social-structural forces shape narrative identity, and the role of narrative transformation in therapeutic processes, self-growth, and social change. Prerequisite(s): PSYC 100 or B105, PSYC 200 (or B205), and at least one of the following 200-level courses: PSYC 210, 215, 224, 242 or BMC PSYC 206 or 208; or instructor consent

PSYC H337 STRESS AND COPING (1.0 Credit)
Shu-wen Wang
Division: Social Science
Domain(s): B: Analysis of the Social World
An examination of theory and research on stress and coping processes, and their links with disease and mental health. Students will also learn and apply stress management techniques. Crosslisted: Psychology, Health Studies Prerequisite(s): PSYC H100 or PSYC B105 or Psychology AP Score 4, and one topical 200-level Psychology course (i.e., not PSYC H200, B205) (Offered: Spring 2023)

PSYC H339 ASIAN AMERICAN PSYCHOLOGY (1.0 Credit)
Shu-wen Wang
Division: Social Science
Domain(s): B: Analysis of the Social World
This seminar course addresses major theories and findings in Asian American Psychology, with a focus on immigration and acculturation, ethnic identity, stereotyping and discrimination, families and development, and mental health. Prerequisite(s): One 200 level PSYC course or permission from instructor

PSYC H343 THE PSYCHOLOGY OF STEREOTYPING AND PREJUDICE (1.0 Credit)
Ryan Lei
Division: Social Science
Domain(s): B: Analysis of the Social World
This course focuses on the scientific research of stereotyping, prejudice, and discrimination to begin examining and explaining the underlying processes of why group-based divides persist. Prerequisite(s): PSYC H210, H213, or H242; or PSYC B208, B224, or B211

PSYC H345 ATTACHMENT THEORY AND RESEARCH (1.0 Credit)
Stacia Bourne
Division: Social Science
Domain(s): B: Analysis of the Social World
Attachment theory is one of the dominant frameworks for understanding human social and emotional development. This course provides an overview of research inspired by attachment theory, evaluates core ideas in light of contemporary findings, and identifies future research opportunities. Prerequisite(s): PSYC 100 (or equivalent) and PSYC 210

PSYC H347 CLINICAL PSYCHOPHARMACOLOGY (1.0 Credit)
Samantha Fortin
Division: Social Science
Domain(s): C: Physical and Natural Processes
Psychopharmacology is the study of the action of drugs on the brain and the resulting changes in the physiology and behavior of an organism. During the semester we will use primary literature, classroom discussions and individual presentations to explore the history, rationale, pharmacology, mechanism of action and effects of current used and potential drugs for the treatment of diseases and disorders of the central nervous system. Pre-requisite(s): Psychology 217: Behavioral Neuroscience or BMC 218 Lottery Preference: 1) senior psychology majors and neuroscience majors, 2) senior psychology minors and neuroscience minors, 3) junior psychology majors and neuroscience majors, 4) junior psychology minors and neuroscience minors. (Offered: Fall 2022)

PSYC H352 THE SOCIAL SELF (1.0 Credit)
Megan Nadzan
Division: Social Science
Domain(s): B: Analysis of the Social World
This course provides an advanced level overview of how interpersonal pressures impact identity and the self. We will review experimental evidence and theories investigating the self at the social, cultural, and individual levels. We will examine and integrate topics such as intrinsic and extrinsic motivation, social perception, interpersonal relationships, and the effects of self-regulation on health. Pre-requisite(s): Psychology H200 or BMC Psychology 205 AND any other 200-level psychology course Lottery Preference: 1) senior psychology majors and neuroscience majors, 2) junior psychology majors, 3) senior psychology minors, 4) junior psychology minors, 5) all other students by class. (Offered: Fall 2022, Spring 2023)

PSYC H357 FEMINIST NEUROSCIENCE (1.0 Credit)
Megan Massa
Division: Natural Science
Domain(s): B: Analysis of the Social World; C: Physical and Natural Processes
As societal conceptions of gender and sex change, so too do scientific approaches to neuroendocrinology (the study of hormones and the brain) and sex differences research. In this seminar, we will trace the history of this scientific field before placing it in conversation with feminist and queer theories. Students will utilize close reading, writing, and presentation techniques to consider sociological concepts and reframings of neuroscience. Crosslisted: NEUR. Pre-requisite(s): Psychology 217: Behavioral Neuroscience or BMC equivalent Lottery Preference: 1) Senior psychology majors and senior neuroscience
majors, 2) Junior psychology majors and junior neuroscience majors, 3) Senior psychology minors and senior neuroscience minors, 4) Junior psychology minors and junior neuroscience minors, and 5) all other students by class (senior, junior, sophomore; no first-years)
（Offered: Fall 2022, Spring 2023）

**PSYC H360 LABORATORY IN COGNITIVE NEUROSCIENCE** (1.0 Credit)
*Rebecca Compton*

**Division:** Natural Science  
**Domain(s):** C: Physical and Natural Processes  

An examination of methodologies used to study the neural basis of higher mental functions. Students will utilize both cognitive and electrophysiological (EEG, ERP) recording methods, and will examine methodological issues in hemodynamic neuroimaging and the study of patient populations. Prerequisite(s): Stats/Methods (PSYC H200 or B205), or instructor consent. The PSYC H260 lecture is not required for this lab
（Offered: Fall 2022）

**PSYC H362 DEVELOPMENTAL BEHAVIORAL NEUROSCIENCE** (1.0 Credit)
*Patrese Robinson-Drummer*

**Division:** Natural Science  
**Domain(s):** C: Physical and Natural Processes  

Developmental Behavioral Neuroscience is a broadly defined branch of psychology that seeks to understand how individuals develop behaviorally, both from a biological and comparative perspective. Topics include development of sensory, motivational, and cognitive processes and social-emotional development. Prerequisite(s): HC Psych 217 or BMC Psych 218 or HC Psych 260
（Offered: Fall 2022）

**PSYC H380 PSYCHOLOGY PRACTICUM SEMINAR** (1.0 Credit)
*Shu-wen Wang*

**Division:** Social Science  
**Domain(s):** B: Analysis of the Social World  

Seminar to accompany 7-8 hour weekly practicum in psychology at a fieldwork site. Students learn about core issues in the “helping” fields and develop basic therapy skills. Application process takes place during Fall pre-registration period; instructor consent required. Prerequisite(s): PSYC 100 and one additional 200-level course in Psychology. Some sites may require additional Psychology coursework.
（Offered: Spring 2023）

**PSYC H390 SENIOR THESIS** (1.0 Credit)

**Division:** Social Science  

Open to senior psychology majors doing a one semester thesis in current semester.
（Offered: Fall 2022）

**PSYC H391 SENIOR RESEARCH TUTORIAL IN COGNITION** (1.0 Credit)
*Marilyn Boltz*

**Division:** Social Science  

This senior research tutorial involves small group collaborative research on topics in memory and cognition, and especially those involving music cognition, the psychology of time, audiovisual interactions, and language behavior. Open to senior psychology majors.
（Offered: Fall 2022）

**PSYC H392 SENIOR RESEARCH TUTORIAL IN PERSONALITY** (1.0 Credit)
*Jennifer Lilgendahl*

**Division:** Social Science  

This senior research tutorial examines personality processes and identity development in emerging and middle adulthood, with an emphasis on the role of narrative meaning-making for understanding life trajectories and outcomes. Open to senior psychology majors.
（Offered: Fall 2022）

**PSYC H393 SENIOR RESEARCH TUTORIAL IN SOCIAL PSYCHOLOGY** (1.0 Credit)  
*Benjamin Le*

**Division:** Social Science  

This senior research tutorial examines personality processes and identity development in emerging and middle adulthood, with an emphasis on the role of narrative meaning-making for understanding life trajectories and outcomes. Open to senior psychology majors.
（Offered: Fall 2022）

**PSYC H394 SENIOR RESEARCH TUTORIAL IN BEHAVIORAL NEUROSCIENCE** (1.0 Credit)  
*Patrese Robinson-Drummer*

**Division:** Natural Science  

This senior thesis tutorial examines the bidirectional relationship between the brain and behavior, emphasizing how hormones influence this relationship. Using a rodent model and cutting-edge neuroscience methodologies, students will design and conduct independent empirical projects in behavioral neuroendocrinology. Open to senior psychology majors.
（Offered: Fall 2022）

**PSYC H395 SENIOR RESEARCH TUTORIAL IN COGNITIVE NEUROSCIENCE** (1.0 Credit)  
*Rebecca Compton*

**Division:** Social Science  

This senior thesis tutorial involves designing and implementing projects using EEG methods to study aspects of human cognition. Specific topics vary, but often involve executive functions, attention, or emotion regulation. Open to senior psychology majors.
（Offered: Fall 2022）

**PSYC H396 SENIOR RESEARCH TUTORIAL IN CLINICAL PSYCHOLOGY** (1.0 Credit)  
*Shu-wen Wang*

**Division:** Social Science  

This senior thesis tutorial examines the interplay between clinically relevant experiences and interpersonal processes. Social
anxiety, depression, loneliness, and dyadic relationship processes are emphasized.

PSYC H397 SENIOR RESEARCH TUTORIAL IN DEVELOPMENTAL PSYCHOLOGY (1.0 Credit)
Ryan Lei
Division: Social Science
Open to Senior Psychology Majors
(Offered: Fall 2022)

PSYC H398 SENIOR RESEARCH TUTORIAL IN CULTURAL PSYCHOLOGY (1.0 Credit)
Shu-wen Wang
Division: Social Science
This senior thesis tutorial examines the influence of culture, ethnicity, and race on psychological processes. Topics on social behavior and support, emotion processes, and health and well-being are emphasized. Open to senior psychology majors.
(Offered: Fall 2022)

PSYC H480 INDEPENDENT STUDY (1.0 Credit)
Staff
Division: Social Science
This course involves independent research under the supervision of a faculty member and requires faculty invitation and approval.
(Offered: Fall 2022)