PSYCHOLOGY (PSYCH)

PSYCH/ASIAN/COUN PSY/ED PSYCH 120 – THE ART AND SCIENCE OF HUMAN FLOURISHING
3 credits.

Explore perspectives related to human flourishing from the sciences and humanities; investigate themes such as transformation, resilience, compassion, diversity, gratitude, community; expand self-awareness, enhanced social connectivity, and ability to change; formulate a sense of what it means to lead a flourishing life that sustains meaningful and fulfilling engagement with studies, relationships, community, and career.

Requisites: None
Course Designation: Breadth - Either Humanities or Social Science
Level - Elementary
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Fall 2023

Learning Outcomes:
1. Describe and engage with the many dimensions of flourishing, and the various extrinsic and intrinsic factors influencing them.
Audience: Undergraduate

2. Formulate an account of human flourishing.
Audience: Undergraduate

3. Employ contemplative practices in an inquiry that cultivates qualities of human flourishing from within.
Audience: Undergraduate

4. Integrate contemplative practice and knowledge of course materials in order to establish a foundation for flourishing in your life and the communities in which you live.
Audience: Undergraduate

PSYCH/SOC 160 – HUMAN SEXUALITY: SOCIAL AND PSYCHOLOGICAL ISSUES
3-4 credits.

Biological, psychological and sociological aspects of sexual relationships and behavior. Presents theoretical and empirical materials on sexuality throughout the life-course, including childhood, adolescence, adulthood, and later life. Attention is given to gender, religion, education and the law as they relate to sexual expression in society.

Requisites: Not open to students with credit for SOC/PSYCH 453 (or SOC 350 prior to spring 2018)
Course Designation: Breadth - Social Science
Level - Elementary
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Fall 2023

PSYCH 202 – INTRODUCTION TO PSYCHOLOGY
3-4 credits.

Behavior, including its development, motivation, frustrations, emotion, intelligence, learning, forgetting, personality, language, thinking, and social behavior.

Requisites: Not open to students with credit for PSYCH 201 or 281
Course Designation: Breadth - Social Science
Level - Elementary
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Spring 2024

PSYCH 205 – EXPLORING RESEARCH IN PSYCHOLOGY
1 credit.

Focuses on a wide range of research in psychology at UW-Madison, such as child development, clinical psychology, perception, biological psychology, cognition, and psychological neuroscience.

Requisites: PSYCH 202
Course Designation: Breadth - Social Science
Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Fall 2021

Learning Outcomes:
1. Identify how psychologists study both universals and differences observed across individuals, cultures, and species, spanning all levels of analysis (neurons to neighborhoods).
Audience: Undergraduate

2. Apply critical thinking skills to determine how conclusions are drawn from research questions.
Audience: Undergraduate

3. Evaluate how data can provide insight into important societal issues.
Audience: Undergraduate

4. Recognize opportunities available in the Psychology major.
Audience: Undergraduate

5. Evaluate psychological science through multiple lenses, including such issues as social justice, poverty, psychopathology, and disabilities.
Audience: Undergraduate

6. Analyze research across all of the major subareas of psychology, and address intersections with myriad disciplines (e.g., zoology, philosophy, genetics, linguistics, economics, public policy, art, pediatrics, and music).
Audience: Undergraduate
PSYCH 210 – BASIC STATISTICS FOR PSYCHOLOGY
3 credits.

Measures of central tendency, variability; probability, sampling distributions; hypothesis testing, confidence intervals; t-tests, Chi-square; regression and correlation (linear) and introduction to analysis of variance (1-way).

**Requisites:** Satisfied Quantitative Reasoning (QR) A requirement and (PSYCH 202 or concurrent enrollment)

**Course Designation:** Gen Ed - Quantitative Reasoning Part B

**Level:** Intermediate

**L&S Credit:** Counts as Liberal Arts and Science credit in L&S

**Repeatable for Credit:** No

**Last Taught:** Spring 2024

**Learning Outcomes:**
1. Explain why data beat anecdotes.
   Audience: Undergraduate
2. Understand why association is not causation
   Audience: Undergraduate
3. Explain the fundamental concepts and apply the basic procedures that underlie descriptive and inferential statistics
   Audience: Undergraduate
4. Interpret and draw conclusions from graphical displays and standard output from statistical software packages.
   Audience: Undergraduate
5. Understand why statistical significance does not necessarily imply practical importance.
   Audience: Undergraduate
6. Demonstrate an awareness of ethical issues associated with sound statistical practice.
   Audience: Undergraduate

PSYCH 212 – SOCIAL SCIENCE TOPICS IN PSYCHOLOGY
3 credits.

Consider how researchers approach classic and current research findings and controversies related to a specific topic, with a social science emphasis. Popular misconceptions will be addressed through discussions of relevant scientific research. Primary focus on behavioral research approaches, though neuroscientific or computational approaches may be integrated.

**Requisites:** None

**Course Designation:** Breadth - Social Science

**Level:** Elementary

**L&S Credit:** Counts as Liberal Arts and Science credit in L&S

**Repeatable for Credit:** No

**Learning Outcomes:**
1. Think critically about an important topic in psychology with an emphasis in the social science.
   Audience: Undergraduate
2. Acquire knowledge about the methods used to study that topic.
   Audience: Undergraduate
3. Consider controversies in the field and their impact on theoretical development.
   Audience: Undergraduate
4. Compare classic and contemporary theories.
   Audience: Undergraduate
5. Write scientifically about issues in psychological science.
   Audience: Undergraduate
6. Consider the differences between popular press and scientific approaches to issues in psychology.
   Audience: Undergraduate
PSYCH 225 – RESEARCH METHODS
4 credits.

General characteristics of scientific method; use of experimental, observational, and correlational research designs; research methods used in psychological science; illustration of core issues in research methods taken from several areas of psychology; lecture, demonstration, and experiments.

Requisites: Satisfied Communications A requirement, grade of C in PSYCH 202, and grade of C in (PSYCH 210, STAT 302, STAT 324 or STAT 371)

Course Designation: Gen Ed - Communication Part B
Breadth - Biological Sci. Counts toward the Natural Sci req
Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S

Repeatable for Credit: No

Last Taught: Spring 2024

Learning Outcomes:

1. Develop skills to find, read, and understand scientific articles and to synthesize scientific literature
Audience: Undergraduate

2. Through an iterative process, learn how to effectively communicate research in multiple modalities
Audience: Undergraduate

3. Develop critical thinking skills, examine linkages between method and results, consider alternative explanations, and become more knowledgeable consumers of research
Audience: Undergraduate

4. Generate and test hypotheses; design psychological research using different approaches, data collection tools, and analysis techniques
Audience: Undergraduate

5. Correctly interpret and convey statistical results via text, tables, and figures
Audience: Undergraduate

6. Learn key principles of science, including use of evidence, how to evaluate scientific reliability and validity, and how to fairly and thoroughly evaluate research inside and outside the classroom.
Audience: Undergraduate

7. Learn that ethical principles, behavior, and decision-making pertain to all aspects of the research process
Audience: Undergraduate

8. Identify how psychological science can inform societal practices and policies. Review and apply what you learned.
Audience: Undergraduate

PSYCH 310 – TOPICS IN PSYCHOLOGY: STUDY ABROAD
1-6 credits.

A course carried with a UW-Madison Study Abroad Program which has no equivalent on this campus. Current enrollment in a UW-Madison study abroad program

Requisites: None

Course Designation: Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S

Repeatable for Credit: Yes, unlimited number of completions

Last Taught: Spring 1999

PSYCH 311 – ISSUES IN PSYCHOLOGY
1-4 credits.

Topics vary with the instructor. Survey of topical issues.

Requisites: PSYCH 202

Course Designation: Breadth - Social Science
Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S

Repeatable for Credit: Yes, unlimited number of completions

Last Taught: Spring 2024
PSYCH/GEN&WS 322 — SEXUAL & RELATIONSHIP VIOLENCE RESEARCH & ACTIVISM
3 credits.

Examine sexual and relationship violence and how they intersect with various aspects of identity (race, gender, sexual orientation, disability, poverty, etc.) in the general community as well as within particular populations (college, military, incarcerated) with a heavy focus on college populations (some of the applied parts of the course will focus here). Learn about power and oppression, as well as ways that both research and practice in these arenas have been marginalized and underfunded. Additional focus on community and campus responses to sexual and relationship violence through a series of speakers as well as about anti-violence activism through course activities and group projects.

Requisites: Junior standing and 3 credits in PSYCH or GEN&WS

Course Designation: Breadth - Social Science

L&S Credit - Counts as Liberal Arts and Science credit in L&S

Repeatable for Credit: No

Learning Outcomes: 1. Understand the prevalence of sexual and relationship violence, whom it impacts, how it can affect survivors, and service seeking options for survivors.

Audience: Undergraduate

2. Understand the role of identity and intersectional identities in the experience and impact of violence as well as service seeking.

Audience: Undergraduate

3. Understand the role of alcohol and other drugs in sexual and relationship violence and their intersections with personal and social identities.

Audience: Undergraduate

4. Understand the history and practice of advocacy.

Audience: Undergraduate

5. Apply knowledge in determining the medical, mental health, legal, and other options for survivors

Audience: Undergraduate

6. Analyze and apply fourth-wave feminism to anti-violence activism.

Audience: Undergraduate

PSYCH/I SY E 349 — INTRODUCTION TO HUMAN FACTORS
3 credits.

Conveys the importance of considering human capabilities and limits in system design and operation. This includes understanding human characteristics from the cognitive, physical, and psychosocial perspectives. Implications of these characteristics are explored through understanding the needs of people, designing to support these needs, and evaluating systems to ensure they serve the intended purpose. Case studies are used to identify the human role in accidents and to identify design improvements. Application domains include consumer product design, human-computer interaction, workplace safety, and complex systems such as healthcare delivery.

Requisites: (I SY E 210, E C E 331, MATH/STAT 309, 431, STAT 311, 324, 371, MATH 531, PSYCH 210, or C&E SOC/SOC 360, or concurrent registration), graduate/professional standing, or member of Engineering Guest Students

Course Designation: Breadth - Physical Sci. Counts toward the Natural Sci req

Level - Intermediate

L&S Credit - Counts as Liberal Arts and Science credit in L&S

Repeatable for Credit: No

Last Taught: Spring 2024

Learning Outcomes: 1. Recognize the strengths and limits of human perceptual, cognitive and physical abilities and their implications for system design

Audience: Undergraduate

2. Describe human factors tools, techniques and methods commonly used to design and improve system performance

Audience: Undergraduate

3. Evaluate and recommend work and task designs based on human factors and ergonomic principles

Audience: Undergraduate

4. Define the ethical application of human factors in designing products and processes

Audience: Undergraduate

PSYCH 380 — JUNIOR HONORS SEMINAR
1 credit.

 Discusses the process of research, provide guidance and feedback about writing about research, and offer opportunities to present research issues and findings. The broader goal is to prepare students to conduct a Senior Honors Thesis.

Requisites: PSYCH 225 and declared in a College of Letters and Science Honors in the Liberal Arts program or Psychology Honors in the Major

Course Designation: Level - Intermediate

L&S Credit - Counts as Liberal Arts and Science credit in L&S Honors - Honors Only Courses (H)

Repeatable for Credit: No

Last Taught: Fall 2023
PSYCH 399 – SERVICE LEARNING IN PSYCHOLOGY
1-4 credits.

An independent opportunity to provide experience in community service work relevant to psychology.
Requisites: Consent of instructor
Course Designation: Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2024

PSYCH 405 – ADULT PSYCHOPATHOLOGY
3-4 credits.

Introduces diagnosis and treatment of major mental disorders. Considers current thinking regarding the biological, psychological, and sociocultural factors that play contributing roles in the etiology and maintenance of these disorders. Historical trends as well as advances in neuroscience will be considered in terms of how they have affected our understanding of psychopathology.
Requisites: PSYCH 202
Course Designation: Breadth - Social Science
Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Spring 2024

Learning Outcomes:
1. Understand the main defining features of different major forms of adult psychopathology.
   Audience: Undergraduate
2. Differentiate between different types of related disorders.
   Audience: Undergraduate
3. Understand the relationship between the different paradigms and ways of conceptualizing psychopathology, assessing and treating mental illness.
   Audience: Undergraduate
4. Understand the different research methods used in the study of psychopathology.
   Audience: Undergraduate
5. Recognize the continuum between mental health and mental illness.
   Audience: Undergraduate
6. Identify different types of stigma that people with severe mental illness may face.
   Audience: Undergraduate

PSYCH 406 – PSYCHOLOGY OF PERCEPTION
3-4 credits.

Survey the current knowledge about how the brain creates our conscious experience of a surrounding world and of our own bodies. Consider contributions from various approaches, including neurophysiology, psychophysics, computer simulations, perceptual illusions, and patient studies.
Requisites: PSYCH 202, (ZOOLOGY/BIOLOGY 101 and 102), ZOOLOGY/BIOLOGY/BOTANY 151, or (BIOCORE 381 and 382)
Course Designation: Breadth - Biological Sci. Counts toward the Natural Sci req
Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Spring 2024
**PSYCH 412 — FIELD EXPERIENCE IN PSYCHOLOGY**  
3 credits.  
Practical experience in the application of psychology in an organization serving social, mental health, educational, biological psychology, developmental, or industrial/organizational interests. Readings and discussions in the application of psychology will be required. Completion of PSYCH 225 required before enrolling.  
**Requisites:** Consent of instructor  
**Course Designation:** Breadth - Social Science  
**Level:** Advanced  
**L&S Credit:** Counts as Liberal Arts and Science credit in L&S  
**Repeatable for Credit:** No  
**Last Taught:** Fall 2017

**PSYCH 413 — LANGUAGE, MIND, AND BRAIN**  
3–4 credits.  
Cognitive processes and brain mechanisms underlying language use. Topics include language acquisition, production, comprehension, bilingualism, human vs. computer speech perception, reading and dyslexia, human language vs. animal communication, aphasia and other language impairments, and the relationship between language and thought.  
**Requisites:** PSYCH 202, CS&D 110, LINGUIS 101, or LINGUIS/ANTHRO 301  
**Course Designation:** Breadth - Social Science  
**Level:** Intermediate  
**L&S Credit:** Counts as Liberal Arts and Science credit in L&S  
**Repeatable for Credit:** No  
**Last Taught:** Spring 2022

**PSYCH 414 — COGNITIVE PSYCHOLOGY**  
3–4 credits.  
How people perceive, learn, remember, plan, solve problems, make decisions, and communicate. The main approach is psychological but will also consider contributions from computer science, linguistics, and neurobiology.  
**Requisites:** PSYCH 202, (ZOOLOGY/BIOLOGY 101 and 102), ZOOLOGY/BIOLOGY/BOTANY 151, or (BIOCORE 381 and 382)  
**Course Designation:** Breadth - Social Science  
**Level:** Intermediate  
**L&S Credit:** Counts as Liberal Arts and Science credit in L&S  
**Repeatable for Credit:** No  
**Last Taught:** Fall 2023

**PSYCH 428 — INTRODUCTION TO CULTURAL PSYCHOLOGY**  
3–4 credits.  
Cultural underpinning of psychological processes. Covers cultural influences on a wide range of psychological processes, including self-perception, motivation, relationship, cognition and perception, and will also deal with acculturation, within-cultural differences and cultural stability and change.  
**Requisites:** PSYCH 202  
**Course Designation:** Breadth - Social Science  
**Level:** Intermediate  
**L&S Credit:** Counts as Liberal Arts and Science credit in L&S  
**Repeatable for Credit:** No  
**Last Taught:** Spring 2019

**PSYCH 449 — ANIMAL BEHAVIOR**  
3–4 credits.  
Evolutionary and physiological mechanisms of animal behavior including aggressive, reproductive, communicative, and social behaviors, behavioral development.  
**Requisites:** PSYCH 202, (ZOOLOGY/BIOLOGY 101 and 102), ZOOLOGY/BIOLOGY/BOTANY 151, or (BIOCORE 381 and 382)  
**Course Designation:** Breadth - Biological Sci. Counts toward the Natural Sci req  
**Level:** Intermediate  
**L&S Credit:** Counts as Liberal Arts and Science credit in L&S  
**Repeatable for Credit:** No  
**Last Taught:** Fall 2023
PSYCH 450 – PRIMATE PSYCHOLOGY: INSIGHTS INTO HUMAN BEHAVIOR
3-4 credits.

Explore the psychology and biology of our closest living ancestors and how it can provide insights into human behavior and cognition. Learn how a variety of factors (ecological, evolutionary, developmental, and experiential) shape the variation we see across and within primate species. Topics include investigation of similarities and differences across taxa in development, learning, memory, evolution of the brain, spatial navigation, tool-use, social behavior, parental behavior, communication, self-recognition, and theory of mind, as well as ethical issues and conservation.

**Requisites:** PSYCH 202, ZOOLOGY/BIOLOGY 101, ZOOLOGY/BIOLOGY/BOTANY 151, or (BIOCORE 381 and 382)

**Course Designation:** Breadth - Biological Sci. Counts toward the Natural Sci req

**Level:** Intermediate

**L&S Credit:** Counts as Liberal Arts and Science credit in L&S

**Repeatable for Credit:** No

**Last Taught:** Spring 2024

**Learning Outcomes:**

1. Understand more than 650+ species that comprise the Order Primates.
   *Audience: Undergraduate*

2. Understand how studying nonhuman primates has helped to inform our knowledge about human behavior and physiology, psychological processes, and environmental factors that influence both other animals and us.
   *Audience: Undergraduate*

3. Apply different levels of analysis (proximate, developmental, evolutionary, and phylogenetic) when asking and answering questions about primates and to understand that these levels of analysis offer complementary insights into primate psychology.
   *Audience: Undergraduate*

4. Identify how variation in experience, environments, and development shape individual variation within and across primate species.
   *Audience: Undergraduate*

5. Critically evaluate empirical evidence about primate psychological processes as presented in popular media and scientific research articles.
   *Audience: Undergraduate*

6. Recognize the various methods used to study primates in captive and natural settings, including behavioral, cognitive, physiological, and neuroscience methods.
   *Audience: Undergraduate*

7. Reflect on ethical and animal welfare considerations for nonhuman primates across the settings in which they live.
   *Audience: Undergraduate*

PSYCH/SOC 453 – HUMAN SEXUALITY
4 credits.

Provides an interdisciplinary introduction to biological, psychological, and sociological aspects of human sexuality.

**Requisites:** PSYCH 202 or Sophomore standing. Not open to student with credit for SOC/PSYCH 160

**Course Designation:** Breadth - Social Science

**Level:** Intermediate

**L&S Credit:** Counts as Liberal Arts and Science credit in L&S

**Repeatable for Credit:** No

**Last Taught:** Spring 2024

PSYCH 454 – BEHAVIORAL NEUROSCIENCE
3-4 credits.

Biological basis of human and animal behaviors, including perception, action, cognition, social interaction and disease. Weekly themes from "Cracking the Neural Code" to "Love and War". Learn, develop and use neural mechanisms to explain and (attempt to) predict what they and others think and do in all facets of life.

**Requisites:** PSYCH 202, (ZOOLOGY/BIOLOGY 101 and 102), ZOOLOGY/BIOLOGY/BOTANY 151, or (BIOCORE 381 and 382)

**Course Designation:** Breadth - Biological Sci. Counts toward the Natural Sci req

**Level:** Intermediate

**L&S Credit:** Counts as Liberal Arts and Science credit in L&S

**Repeatable for Credit:** No

**Last Taught:** Spring 2024
**PSYCH 456 – SOCIAL PSYCHOLOGY**  
3-4 credits.

Introduce classic and contemporary theories and research in the field, with an emphasis on experimental methodology. Examine the psychological study of the individual in the social world, including social interaction, motivation, attitudes, conformity, communication, leadership, personal relationships, and behavior in small groups.  
**Requisites:** PSYCH 202  
**Course Designation:** Breadth - Social Science  
**Level:** Intermediate  
**L&S Credit:** Counts as Liberal Arts and Science credit in L&S  
**Repeatable for Credit:** No  
**Last Taught:** Fall 2023

**Learning Outcomes:** 1. Understand the kinds of questions that social psychologists ask and why these questions matter.  
   Audience: Undergraduate  
2. Become an effective consumer of science – i.e., understand the methods that social psychologists use to test their research questions and be able to draw appropriate conclusions from study findings.  
   Audience: Undergraduate  
3. Evaluate whether research evidence provides a good test of theory.  
   Audience: Undergraduate  
4. View everyday social behavior through a social psychological lens.  
   Audience: Undergraduate  
5. Think about how research findings can be used to create interventions to address real-world problems.  
   Audience: Undergraduate

**PSYCH 460 – CHILD DEVELOPMENT**  
3-4 credits.

Biological and behavioral foundations of human development, with an emphasis on experiments and data-driven approaches. Topics will include prenatal development, behavior genetics, motor development, perceptual development, language development, cognitive development, emotional development, social development, and atypical development.  
**Requisites:** PSYCH 202  
**Course Designation:** Breadth - Social Science  
**Level:** Intermediate  
**L&S Credit:** Counts as Liberal Arts and Science credit in L&S  
**Repeatable for Credit:** No  
**Last Taught:** Fall 2023

**PSYCH 462 – ADOLESCENT DEVELOPMENT**  
3-4 credits.

Examines research on biological, cognitive, social, and emotional development during the second decade of life. Covers topics most relevant to teenagers, such as pubertal development and its social consequences, changing relationships with parents, self and identity development, the increasingly important role of peers, school adjustment, and high risk behaviors.  
**Requisites:** PSYCH 202  
**Course Designation:** Breadth - Social Science  
**Level:** Intermediate  
**L&S Credit:** Counts as Liberal Arts and Science credit in L&S  
**Repeatable for Credit:** No  
**Last Taught:** Fall 2023

**Learning Outcomes:** 1. Identify major subfields of developmental psychology and recognize how each of these areas of research contribute to our understanding of the mind, brain, and behavior in teenagers.  
   Audience: Undergraduate  
2. Understand how various different methodologies (e.g., magnetic resonance imaging, ecological momentary assessment, etc.) are applied with the scientific methods to use in research studies involving teenagers.  
   Audience: Undergraduate  
3. Critically evaluate research claims heard in everyday life (e.g., popular media, educational settings, academia, civic discourse, etc.).  
   Audience: Undergraduate  
4. Differentiate between myths and contemporary scientific evidence regarding teenage development.  
   Audience: Undergraduate

**PSYCH 464 – ADULT DEVELOPMENT AND AGING**  
3 credits.

Physical, cognitive, social, and personality development during the adult years.  
**Requisites:** PSYCH 202  
**Course Designation:** Breadth - Social Science  
**Level:** Intermediate  
**L&S Credit:** Counts as Liberal Arts and Science credit in L&S  
**Repeatable for Credit:** No  
**Last Taught:** Spring 2024

**PSYCH 501 – DEPTH TOPIC IN SOCIAL SCIENCE**  
4 credits.

Provides an in-depth treatment of a specific topic in psychology.  
**Requisites:** PSYCH 202  
**Course Designation:** Breadth - Social Science  
**Level:** Intermediate  
**L&S Credit:** Counts as Liberal Arts and Science credit in L&S  
**Repeatable for Credit:** Yes, unlimited number of completions  
**Last Taught:** Fall 2023
PSYCH 502 – COGNITIVE DEVELOPMENT
4 credits.

Covers the basics of cognitive development during childhood. Topics include theoretical approaches to cognitive development; perceptual, language, memory, and conceptual development; social cognition; problem solving, and academic performance.

Requisites: PSYCH 406, 413, 414, or 460
Course Designation: Breadth - Social Science
Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Spring 2022

PSYCH 503 – SOCIAL DEVELOPMENT
4 credits.

Explores how infants and children perceive, think about, and interact with the social world. Topics include theory of mind, emotions, early social relationships, peer influences, morality and pro-social behavior, aggression, and social categorization.

Requisites: PSYCH 414, 428, 449, 450, 456, or 460
Course Designation: Breadth - Social Science
Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Spring 2017

PSYCH 505 – DEPTH TOPIC IN BIOLOGICAL SCIENCE
3-4 credits.

Provides an in-depth treatment of a specific topic in psychology and biology.

Requisites: PSYCH 202, (ZOOLOGY/BIOLOGY 101 and 102), ZOOLOGY/BIOLOGY/BOTANY 151, or (BIOCORE 381 and 382)
Course Designation: Breadth - Biological Sci. Counts toward the Natural Sci req
Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Fall 2023

PSYCH 508 – PSYCHOLOGY OF HUMAN EMOTIONS: FROM BIOLOGY TO CULTURE
4 credits.

Emotional experience affects and defines every facet of our life, but it seems mysterious and unsuitable for scientific inquiry. Explore how and why emotion is not suited to scientific research and provides an in-depth examination of research from all sub-disciplines of the field of Psychology. This includes neuroscience and the biological bases of behavior, questions of the developmental curve for emotional phenomena and the relationship between feeling and thinking, and the study of social groups and culture. Readings and discussion attempt to integrate existent theory and research and apply their implications to the individual, the group, and society.

Requisites: PSYCH 403, 428, 456, 460, or SOC/PSYCH 453, or PSYCH/GEN&WS 522
Course Designation: Breadth - Social Science
Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Spring 2024

PSYCH 510 – CRITICAL ISSUES IN CHILD PSYCHOPATHOLOGY
4 credits.

Provides in-depth coverage on the study of common mental disorders of childhood and adolescence. Uses a scientific lens to dive into some of the more controversial issues in the field, rather than focusing on basic definitions and classifications, instead. For instance, what factors have led to the rise in ADHD diagnosis in this country, and around the world? Why aren’t evidenced-based treatments more widely used in mental health settings? Are antidepressants safe for adolescents, and do they actually work?

Requisites: PSYCH 405 or 460
Course Designation: Breadth - Social Science
Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Fall 2022

PSYCH 513 – HORMONES, BRAIN, AND BEHAVIOR
4 credits.

Complex social behavior emerges from the interplay of hormones, the brain and environmental signals. Introduces how hormones and neurotransmitters shape brain and behavior in animals and humans. Review the mechanisms by which hormones shape brain sex differences and its consequences on juvenile (i.e. play) and adult behavior. Examine how hormones influence sexual behavior using basic animal models, and extend this to human sex differences, including sexual orientation. Additional topics include how hormones shape competitive and affiliative behaviors, eating disorders, and stress and mental health, as well as how individual variation occurs in response to the changing environment and genetic landscape, including epigenetics at an introductory level.

Requisites: PSYCH 406, 413, 414, 449, 450, 454, or ZOOLOGY/PSYCH 523
Course Designation: Breadth - Either Biological Science or Social Science
Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Spring 2024

PSYCH 520 – HOW WE READ: THE SCIENCE OF READING AND ITS EDUCATIONAL IMPLICATIONS
4 credits.

Reading is one of the most advanced expressions of human intelligence, involving language, vision, memory, learning, thinking and other capacities. This course is an in-depth introduction to scientific studies of reading, which examine how reading relates to spoken language, how people learn to read, the processes involved in skilled reading, the causes of reading impairments (dyslexia), and the brain bases of reading. The course will also examine whether this science can help to address America’s literacy problem. Many people (about 30% of the population) are unable to read or read poorly. How can reading science be brought to bear on this problem, which is of enormous importance to both the affected individuals and society?

Requisites: PSYCH 406, 413, 414, or 460
Course Designation: Breadth - Social Science
Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Fall 2017
PSYCH 521 – THE STRUCTURE OF HUMAN THOUGHT: CONCEPTS, LANGUAGE AND CULTURE

4 credits.

Topics include the relationship of language to other cognitive and perceptual functions; language evolution; the connection of language and culture, sources of linguistic diversity; linguistic engineering; the role of information technologies in the spread of ideas and its impact on language change. Will draw heavily on empirical research in cognitive and developmental psychology, and to a lesser extent on cognitive neuroscience, animal cognition, anthropology, and linguistics.

**Requisites:** PSYCH 406, 413, 414, or 460

**Course Designation:** Breadth - Social Science

**Level:** Intermediate

**L&S Credit:** Counts as Liberal Arts and Science credit in L&S

**Repeatable for Credit:** No

**Last Taught:** Spring 2023

**Learning Outcomes:**

1. Understand the difference between human language and other communication systems

   **Audience:** Undergraduate

2. Learn about the evolution of language

   **Audience:** Undergraduate

3. Understand what is meant by claims that language does or does not affect ‘thought’ and the kinds of empirical data that support or fail to support these claims

   **Audience:** Undergraduate

4. Intelligently discuss the relationship between language and memory, perception, reasoning, mathematical cognition, and spatial cognition

   **Audience:** Undergraduate

5. Understand what is meant by How does language help or hurt our “thinking?”

   **Audience:** Undergraduate

6. Learn about the role of metaphor in human communication and thought

   **Audience:** Undergraduate

7. Understand the impact of new communication technologies on language

   **Audience:** Undergraduate

8. Understand how to evaluate opposing theoretical positions and empirical results

   **Audience:** Undergraduate

PSYCH/GEN&WS 522 – PSYCHOLOGY OF WOMEN AND GENDER

3 credits.

Examination of theories and research on the psychology of women and gender. Explores topics such as sex bias in psychological research; psychological aspects of female sexuality and reproduction; gender-based violence; female achievement and power; lifestyle choices of women; women and mental health; and psychological research with transgender individuals.

**Requisites:** Sophomore standing, a course in PSYCH and (GEN&WS 102 or 103) or graduate/professional standing

**Course Designation:** Breadth - Social Science

**Level:** Advanced

**L&S Credit:** Counts as Liberal Arts and Science credit in L&S

**Grad 50%:** Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** No

**Last Taught:** Fall 2023

PSYCH/ZOOLOGY 523 – NEUROBIOLOGY

3 credits.

Basic mechanisms in cellular neurophysiology: electrophysiology and chemistry of nerve signals, mechanisms in integration, simple nervous pathways and their behavioral correlates.

**Requisites:** (ZOOLOGY/BIOLOGY/BOTANY 151, ZOOLOGY/BIOLOGY 101, or BIOCORE 485) and (CHEM 104, CHEM 109, or CHEM 116)

**Course Designation:** Breadth - Biological Sci. Counts toward the Natural Sci req

**Level:** Intermediate

**L&S Credit:** Counts as Liberal Arts and Science credit in L&S

**Repeatable for Credit:** No

**Last Taught:** Fall 2023

PSYCH 525 – COGNITION IN HEALTH AND SOCIETY

4 credits.

Topics from cognitive psychology shed light on current issues in health and society. Topics include attention, memory, categorization, reasoning, decision making and problem solving. Issues include distracted driving, traumatic brain injuries, anxiety, dementia, eyewitness testimony, stereotype, and individual differences (e.g., autism spectrum disorders and expertise). It will focus on how experimental results and formal theories from each topic can be applied to understand current issues better and improve people’s lives.

**Requisites:** PSYCH 403, 405, 406, 413, 414, 428, 449, 450, 454, 456, 460, 464, SOC/PSYCH 453, PSYCH/GEN&WS 522, or ZOOLOGY/PSYCH 523

**Course Designation:** Breadth - Social Science

**Level:** Intermediate

**L&S Credit:** Counts as Liberal Arts and Science credit in L&S

**Repeatable for Credit:** No

**Last Taught:** Spring 2024
PSYCH 526 – THE CRIMINAL MIND: FORENSIC AND PSYCHOBIOLOGICAL PERSPECTIVES
4 credits.

Criminal behavior is an extremely common and costly problem for society. The goal of the course is to provide an in-depth understanding of criminal psychology and the relevant forensic and psychobiological processes in the field.

**Requisites:** PSYCH 403, 405, or 456
**Course Designation:** Breadth - Social Science
**Level:** Intermediate
**L&S Credit:** Counts as Liberal Arts and Science credit in L&S
**Repeatable for Credit:** No
**Last Taught:** Spring 2024

PSYCH 528 – CULTURAL PSYCHOLOGY
4 credits.

Societies are shaped by the people, places, and environments that surround us. Examine the ways that culture and individual psychology make each other up, including how we think about ourselves, how we attend to and reason about the world, how we think about those like us and unlike us, and how these beliefs, attitudes, and cognitions are shared and maintained across groups.

**Requisites:** PSYCH 403, 406, 413, 414, or 456. Not open to students with credit in PSYCH 428.
**Course Designation:** Breadth - Social Science
**Level:** Intermediate
**L&S Credit:** Counts as Liberal Arts and Science credit in L&S
**Repeatable for Credit:** No

**Learning Outcomes:**
1. Examine naive realism and its associated problems.
   **Audience:** Undergraduate

2. Identify and summarize cultural variation in thinking about what a self is, what responsibilities we have to each other, how we think about groups in society, what is right and wrong, how we should feel, what the world is like, and what the nature of the good life.
   **Audience:** Undergraduate

3. Explain how historical, ecological, and societal factors help to shape cultural variation.
   **Audience:** Undergraduate

4. Understand cultural variation that exists within our own society.
   **Audience:** Undergraduate

5. Hypothesize about factors underlying cultural change and make predictions about the future.
   **Audience:** Undergraduate

PSYCH 532 – PSYCHOLOGICAL EFFECTS OF THE INTERNET
4 credits.

Googling the question, “How is the Internet changing the way we think?” renders no shortage of opinions - or fears. Examine empirical evidence for whether the Internet is changing the way we learn, communicate, socialize, attend, develop, and age. Read and synthesize original research literature, which will be augmented with readings and videos from the popular press.

**Requisites:** PSYCH 403, 405, 406, 413, 414, 428, 449, 450, 454, 456, 460, 464, SOC/PSYCH 453, PSYCH/GEN&WS 522, or ZOOLOGY/PSYCH 523
**Course Designation:** Breadth - Social Science
**Level:** Intermediate
**L&S Credit:** Counts as Liberal Arts and Science credit in L&S
**Repeatable for Credit:** No
**Last Taught:** Spring 2024

PSYCH/I SYE 549 – HUMAN FACTORS ENGINEERING
3 credits.

Analysis and design of man-machine systems using human performance models and data. Emphasis on systems involving communication and control. Projects using digital and analog computer simulation techniques for system design.

**Requisites:** I SYE/PSYCH 349, graduate/professional standing, or member of Engineering Guest Students
**Course Designation:** Level - Advanced
**L&S Credit:** Counts as Liberal Arts and Science credit in L&S
**Grad 50%** - Counts toward 50% graduate coursework requirement
**Repeatable for Credit:** No
**Last Taught:** Fall 2023

**Learning Outcomes:**
1. Explain the topics involved in cognitive human factors and design implications of these concepts
   **Audience:** Both Grad & Undergrad

2. Describe the interactions between human operators and system components including the environment, technology, and organizations
   **Audience:** Both Grad & Undergrad

3. Discuss different human factors perspectives regarding human error and limitations of human performance, especially as these relate to memory, decision-making, action selection, and workload and stress
   **Audience:** Both Grad & Undergrad

4. Identify barriers and limitations to memory and how these must be accounted for in design of systems and displays
   **Audience:** Both Grad & Undergrad

5. Articulate the role of simulation and modeling in system design involving human operators
   **Audience:** Both Grad & Undergrad

6. Use cognitive engineering analysis methods to complete a detailed analysis of a real incident or accident including outlining each layer and component of system failure and proposing possible redesign solutions
   **Audience:** Graduate
PSYCH 601 – CURRENT TOPICS IN PSYCHOLOGY
3 credits.

Special topics in Psychology at the advanced undergraduate level. May be repeated for credit with different titles.

Requisites: PSYCH 225
Course Designation: Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2024

PSYCH 602 – INTERMEDIATE STATISTICS FOR PSYCHOLOGY
3 credits.

Principles of psychological measurement and test theory, including reliability, validity, and test construction. Introduction to correlation, multiple regression, factor analysis, and other data analytic principles.

Requisites: PSYCH 210, SOC/C&E SOC 360, STAT 371, or GEN BUS 303
Course Designation: Breadth - Social Science
Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Fall 2019

PSYCH 603 – EPIGENETICS AND THE BRAIN
3 credits.

Explore nature versus nurture by understanding gene by environmental interactions. Study how the environment and our behavior can modify our genome (epigenetics). Focus on how our behavior and overall health can be shaped by markings on our DNA, and how these markings may be passed onto future generations.

Requisites: (PSYCH 454 or ZOOLOGY/PSYCH 523) and BOTANY/BIOLOGY/ZOOLOGY 152, PSYCH 225, or (BIOCORE 383 and 384)
Course Designation: Breadth - Biological Sci. Counts toward the Natural Sci req
Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Fall 2019

Learning Outcomes:
1. Understand the basics of gene x environmental interactions.
   Audience: Undergraduate
2. Understand the biological mechanisms of epigenetics.
   Audience: Undergraduate
3. Understand multigenerational and transgenerational outcomes of epigenetics.
   Audience: Undergraduate
4. Understand epigenetic contributions to disease and mental health.
   Audience: Undergraduate
5. Critically read and discuss assigned readings.
   Audience: Undergraduate
6. Present a relevant topic of interest to the class and answer questions.
   Audience: Undergraduate
7. Design a research project that will answer a specific question and present the project as an oral proposal and a written research proposal.
   Audience: Undergraduate

PSYCH 606 – HORMONES AND BEHAVIOR
3 credits.

A survey of human and subhuman research findings relating behavioral events to endocrine function. Topics include stress, psychosis, intellectual development, memory, gender-identity differentiation, reproductive behavior, aggression, preceded by a review of basic and clinical endocrinology.

Requisites: PSYCH 225 and 454
Course Designation: Breadth - Biological Sci. Counts toward the Natural Sci req
Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Spring 2015
**PSYCH 607 – INTRODUCTION TO PSYCHOTHERAPY**
3 credits.

Theoretical and applied foundations of psychotherapy. Consider issues of ethics, diversity/inclusivity, and research directions related to psychotherapy. Explore basic and theoretical considerations relevant to therapy including transference and countertransference, emotion, defense mechanisms, boundaries, resistance and early development. Discuss aspects of psychotherapy practice including trauma work, parenting issues, play therapy, family therapy, and couples therapy.

**Requisites:** PSYCH 225  
**Course Designation:** Breadth – Social Science  
**Level:** Advanced  
**L&S Credit:** Counts as Liberal Arts and Science credit in L&S

**Repeatable for Credit:** No  
**Last Taught:** Spring 2024

**Learning Outcomes:**
1. Demonstrate understanding of interpersonal dynamics relevant to psychotherapy.  
   Audience: Undergraduate  

2. Communicate effectively through written assignments, oral presentations and discussion.  
   Audience: Undergraduate

3. Develop proficiency in mastering primary sources and critically evaluating research.  
   Audience: Undergraduate

**PSYCH 610 – DESIGN AND ANALYSIS OF PSYCHOLOGICAL EXPERIMENTS I**
4 credits.

Reliability, validity, one-sample t-test, independent-samples t-test, simple and multiple regression, effect size indicators, analysis of variance (ANOVA), analysis of covariance (ANCOVA), case analysis, model assumptions, transformations, polynomial regression, simple mediation, and moderated mediation.

**Requisites:** Consent of instructor  
**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement  
**Repeatable for Credit:** No  
**Last Taught:** Fall 2023

**Learning Outcomes:**
1. Master reliability and validity in empirical research  
   Audience: Graduate  

2. Master inferences about a single mean (t-test)  
   Audience: Graduate

3. Master analysis of single and multiple dichotomous predictors (ANOVA)  
   Audience: Graduate

4. Master analysis of single and multiple continuous predictors (regression)  
   Audience: Graduate

5. Master analysis of indirect effects (mediation)  
   Audience: Graduate

6. Master analysis of non-linear relationships (polynomial regression)  
   Audience: Graduate

7. Generate publication-level graphs  
   Audience: Graduate
PSYCH/NEURODPT/NTP 611 – SYSTEMS NEUROSCIENCE
4 credits.

Introduction to the anatomy and physiology of the mammalian nervous system. Lectures will cover the neuroanatomy of the major subdivisions of the human brain, the major sensory and motor systems, and higher order functions. Lab/discussion sections will emphasize readings from the primary literature and hands-on dissections.

Requisites: NEURODPT/NTP 610 or graduate/professional standing
Course Designation: Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2024

Learning Outcomes:
1. Describe the organization and structure of mammalian nervous system, including the spinal cord, brainstem, thalamus, cerebral cortex, cerebellum, basal ganglia, limbic system, and their interconnections on a systems level
Audience: Both Grad & Undergrad

2. Demonstrate a solid understanding of the functions of the sensory and motor systems that underlie perception and action
Audience: Both Grad & Undergrad

3. Demonstrate a solid understanding of higher brain functions and behavior, including learning and memory and executive function
Audience: Both Grad & Undergrad

4. Demonstrate knowledge about approaches of modern neuroscience research including neuroanatomy, neurophysiology, functional brain imaging, behavioral assays, and quantitative data analysis methods
Audience: Both Grad & Undergrad

5. Develop and apply critical thinking to evaluate original neuroscience research
Audience: Graduate

6. Develop ability to formulate hypotheses and to apply knowledge learned from the course to design experiments for hypothesis testing
Audience: Graduate

PSYCH 612 – NEUROPHARMACOLOGY
3 credits.

Comprehensive review of the field of behavioral neuropharmacology, focusing on methodology, major neurotransmitter systems, critical evaluation of experimental evidence regarding behavioral functions of these transmitter systems and drugs used to treat mental illness.

Requisites: (PSYCH 454 or ZOOLOGY/PSYCH 523) and BOTANY/BIOLOGY/ZOOLOGY 152, PSYCH 225, or (BIOCORE 383 and 384)
Course Designation: Breadth - Biological Sci. Counts toward the Natural Sci req
Level – Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Fall 2022

Learning Outcomes:
1. Understand the strengths and limitations of the primary methods used in neuropharmacology.
Audience: Undergraduate

2. Understand the basic principles of drug action as applied to neurotransmitters.
Audience: Undergraduate

3. Identify the major neurotransmitter systems, including the location of the synthesizing neurons, and the different receptors and their second messengers for a given neurotransmitter.
Audience: Undergraduate

4. Recognize evidence arguing for specific behavioral actions of select neurotransmitter systems and the limitations associated with this evidence.
Audience: Undergraduate

5. Think critically about data and hypotheses related to neurotransmitter regulation of behavior.
Audience: Undergraduate

6. Develop/refine skills for efficiently extracting key information from technical literature.
Audience: Undergraduate

PSYCH/ANTHRO/NTP/ZOOLOGY 619 – BIOLOGY OF MIND
3 credits.


Requisites: Junior standing
Course Designation: Breadth - Biological Sci. Counts toward the Natural Sci req
Level – Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Fall 2023
PSYCH 620 – CAPSTONE MENTORED RESEARCH AND SEMINAR
1-6 credits.

Develop an understanding of primary research in a topic area and participate in designing and conducting research that challenges and/or extends current understanding of the topic. Course reading will include published research studies relevant to the selected topic.

Requisites: Consent of instructor
Course Designation: Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2015

PSYCH 621 – MENTORED RESEARCH AND SEMINAR
1-6 credits.

Develop an understanding of primary research in a topic area and participate in designing and conducting research that challenges and/or extends current understanding of the topic. Course reading will include published research studies relevant to the selected topic.

Requisites: Consent of instructor
Course Designation: Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2024

PSYCH/I SY E 653 – ORGANIZATION AND JOB DESIGN
3 credits.

Design of productive organizations and people’s roles within them. Issues including boundary location, organizational decision levels, autonomous work groups, implementation and diffusion. Roles of the union. Case studies.

Requisites: I SY E/PSYCH 349, graduate/professional standing, or member of Engineering Guest Students
Course Designation: Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Fall 2021
Learning Outcomes: 1. Apply the work system model
Audience: Both Grad & Undergrad

2. Apply a variety of models and theories of job and organization design to answer questions such as, "What makes for a good job?" and "What makes for a bad job?"
Audience: Both Grad & Undergrad

3. Apply interview and survey methods for analyzing jobs
Audience: Both Grad & Undergrad

4. Identify approaches to implement job redesign
Audience: Both Grad & Undergrad

5. Identify societal trends related to job design
Audience: Both Grad & Undergrad

6. Identify similarities and differences between various models and theories of job and organization design
Audience: Graduate
PSYCH/NEURODPT/ZOOLOGY 674 – BEHAVIORAL NEUROENDOCRINOLOGY SEMINAR
2 credits.

Behavior results from a complex interplay among hormones, the brain, and environmental factors. Behaviors and their underlying neural substrates have evolved in response to specific environmental conditions, resulting in vast species diversity in behavioral and neuroendocrine solutions to environmental problems. Designed to explore the primary literature on the neuroendocrine underpinnings of behavior spanning from feeding to sex differences in complex social behaviors. A range of taxonomic groups will be discussed, including (but not limited to) mammals, birds, and fish.

**Requisites:** ZOOLOGY/BIOLOGY 101, ZOOLOGY/BIOLOGY/BOTANY 151, BIOCORE 383 or graduate/professional standing

**Course Designation:** Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** No

**Last Taught:** Fall 2021

**Learning Outcomes:**
1. Identify how behaviors and their underlying neural substrates have evolved in response to specific environmental conditions
   Audience: Both Grad & Undergrad

2. Discuss and explore the primary literature on the neuroendocrine underpinnings of behavior spanning from feeding to sex differences in complex social behaviors
   Audience: Both Grad & Undergrad

3. Identify and discuss hormones, the brain, and environmental factors as they relate to behavioral evolution and biological diversity
   Audience: Both Grad & Undergrad

4. Develop and apply critical thinking to evaluate neuroendocrinological research
   Audience: Graduate

5. Communicate effectively about concepts, theories and approaches of neuroendocrinology and behavioral research
   Audience: Graduate

PSYCH 681 – SENIOR HONORS THESIS
3 credits.

Individual study for students completing senior honors theses as arranged with a faculty member.

**Requisites:** Consent of instructor

**Course Designation:** Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Honors - Honors Only Courses (H)

**Repeatable for Credit:** No

**Last Taught:** Fall 2023

PSYCH 682 – SENIOR HONORS THESIS
3 credits.

Individual study for students completing senior honors theses as arranged with a faculty member.

**Requisites:** Consent of instructor

**Course Designation:** Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Honors - Honors Only Courses (H)

**Repeatable for Credit:** No

**Last Taught:** Spring 2024

PSYCH 686 – SENIOR THESIS SEMINAR IN PSYCHOLOGY
1 credit.

Focus on the process of conducting, writing, and presenting a senior or honors thesis in Psychology. Discuss the process of research, provide guidance and feedback about writing about research, and offer opportunities to present research issues and findings.

**Requisites:** Concurrent enrollment in PSYCH 681, 682, 691, or 692

**Course Designation:** Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Honors - Accelerated Honors (!)

**Repeatable for Credit:** Yes, unlimited number of completions

**Last Taught:** Spring 2024

**Learning Outcomes:**
1. Acquire information and skills necessary to complete a senior honors project successfully (e.g., managing one’s role in research, presenting one’s research to an audience)
   Audience: Undergraduate

2. Learn from others conducting senior honors research -- about other topics, methods, and theories in psychology
   Audience: Undergraduate

3. Gain skills relevant to the three main arenas of scientific communication: written papers, talks, and poster presentations
   Audience: Undergraduate

4. Learn to ask incisive questions about others’ research and to critique others’ work
   Audience: Undergraduate

5. Learn to respond well to questions about or critiques of your research
   Audience: Undergraduate

6. Produce a polished and professional report of your senior thesis.
   Audience: Undergraduate

PSYCH 691 – UNDERGRADUATE THESIS
1-6 credits.

Undergraduate research including completion of a thesis. Recommended for those intending to do graduate work in psychology.

**Requisites:** Consent of instructor

**Course Designation:** Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S

**Repeatable for Credit:** No

**Last Taught:** Spring 2024
PSYCH 692 – UNDERGRADUATE THESIS
1-6 credits.
Undergraduate research including completion of a thesis. Recommended for those intending to do graduate work in psychology.
Requisites: Consent of instructor
Course Designation: Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Spring 2024

PSYCH 693 – ANIMAL BEHAVIOR PROBLEMS
1-12 credits.
Individual experimental studies.
Requisites: Consent of instructor
Course Designation: Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2015

PSYCH 695 – PROBLEMS IN CLINICAL PSYCHOLOGY
1-12 credits.
Individual experimental studies.
Requisites: Consent of instructor
Course Designation: Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Fall 2016

PSYCH 697 – PROBLEMS IN HUMAN BEHAVIOR
1-12 credits.
Independent work under supervision.
Requisites: Consent of instructor
Course Designation: Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2015

PSYCH 699 – DIRECTED STUDY
1-3 credits.
Independent mentored study with a faculty member.
Requisites: Consent of instructor
Course Designation: Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2024

PSYCH 701 – PROSEMINAR IN EXPERIMENTAL PSYCHOLOGY
1 credit.
Introductions to various aspects of experimental psychology such as sensory, learning, motivation, and experimental methodology.
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2024

PSYCH 703 – PROSEMINAR IN SOCIAL PSYCHOLOGY
1 credit.
Discussion of current topics in social psychology, especially as illustrated by the planned and ongoing research of the graduate students and faculty in social psychology. Recent journal articles will also be discussed.
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2024

PSYCH 704 – PROSEMINAR IN CLINICAL PSYCHOLOGY
1 credit.
Research and theoretical presentations by all class members as well as discussions and research critiques. Discussion of research articles.
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2024

PSYCH 706 – PROSEMINAR IN DEVELOPMENTAL PSYCHOLOGY
1 credit.
Discussion of current topics in developmental psychology, especially as illustrated by the planned and ongoing research of the graduate students and faculty in developmental psychology. Recent journal articles will also be discussed.
Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2024

PSYCH 707 – PROSEMINAR IN BIOLOGICAL PSYCHOLOGY
1 credit.
Topical research-oriented presentations and discussions in the area of biological psychology. Each week the seminar will be led by a faculty member or advanced student in the biological psychology area group of the Department of Psychology.
Requisites: Declared in Psychology PhD program
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2024
PSYCH 709 – PROSEMINAR IN DATA SCIENCE IN HUMAN BEHAVIOR
1 credit.

Discussion of current topics in human behavioral data science, including discussion of planned capstone projects, discussion of recent journal articles, training and practice in scientific communication to various stakeholders, and professional development activities.

**Requisites:** Graduate/professional standing

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** Yes, unlimited number of completions

**Last Taught:** Spring 2024

**Learning Outcomes:**
1. Understand how central concepts in data science get applied to problems from industry, government, and nonprofit sectors.
   Audience: Graduate

2. Develop skills for pitching your ideas to employers, funding agencies, other professionals, and the public.
   Audience: Graduate

3. Understand different potential career pathways and how to prepare for each.
   Audience: Graduate

4. Learn best practices for effectively communicating complex scientific ideas and outcomes.
   Audience: Graduate

PSYCH 710 – DESIGN AND ANALYSIS OF PSYCHOLOGICAL EXPERIMENTS II
4 credits.

Statistical power, paired-samples t-test, within-subjects ANOVA, mixed models, mediation in within-subjects designs, contrast analysis (= the analysis of categorical predictors with 3 or more levels), multilevel modeling, linear mixed-effects models, restricted maximum likelihood, signal detection theory, logistic regression, exploratory factor analysis, missing data.

**Requisites:** Consent of instructor

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** No

**Last Taught:** Spring 2024

**Learning Outcomes:**
1. Master analysis of a single and multiple dichotomous within-subject predictors (within-subjects ANOVA)
   Audience: Graduate

2. Master analysis of a single and multiple continuous within-subject predictors (mixed models)
   Audience: Graduate

3. Master analysis of indirect effects in within-subjects designs (mediation)
   Audience: Graduate

4. Master analysis of categorical predictors with 3 or more levels (contrast analysis)
   Audience: Graduate

5. Master power analysis
   Audience: Graduate

6. Master analysis of dichotomous outcome variables (logistic regression)
   Audience: Graduate

PSYCH 711 – CURRENT TOPICS IN PSYCHOLOGY
2-3 credits.

**Requisites:** Graduate/professional standing

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** Yes, unlimited number of completions

**Last Taught:** Spring 2024
PSYCH 720 – ESSENTIALS OF COGNITIVE NEUROSCIENCE  
3 credits.

Provides a broad overview of principles that underlie our understanding of how the structure and function of the brain give rise to cognition and intelligent behavior, and of the methods with which cognitive neuroscience research is carried out. The content covered can be summarized as neuroscience with direct implications for understanding the neural bases of human behavior, and will include anatomical, cellular, systems, behavioral, neuropsychological, and computational levels of analysis. The emphasis will be on domains of behavior traditionally covered by cognitive psychology and neurology, but with explicit consideration, when applicable, of implications for understanding affect, social behavior, and psychopathology.

Requisites: Graduate/professional standing  
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement  
Repeatable for Credit: No  
Last Taught: Fall 2020

PSYCH 728 – CLASSIC ISSUES IN SOCIAL PSYCHOLOGY  
3 credits.

A broad survey of theories and research from the field of social psychology. Areas may include: attitudes and attitude change, conformity and compliance, altruism, attribution theory.

Requisites: Graduate/professional standing  
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement  
Repeatable for Credit: No  
Last Taught: Spring 2024

PSYCH/COUN PSY/RP & SE  729 – ADVANCED SOCIAL PSYCHOLOGY  
3 credits.

Intensive examination of theoretical conceptions in contemporary social psychology, including learning-theoretic, reinforcement, incentive, cognitive, and psychodynamic approaches, and research in selected topic areas reflecting these approaches, such as aggression, attitude formation and change, conformity, limitation and modeling, interpersonal attraction, perception of others, prosocial behavior, and social influence.

Requisites: Graduate/professional standing  
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement  
Repeatable for Credit: No  
Last Taught: Summer 2023

PSYCH 733 – PERCEPTUAL AND COGNITIVE SCIENCES  
2 credits.

Current approaches to perceptual and cognitive sciences.

Requisites: Graduate/professional standing  
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement  
Repeatable for Credit: Yes, unlimited number of completions  
Last Taught: Fall 2023

PSYCH 740 – CLINICAL I: ASSESSMENT, ETIOLOGY, AND TREATMENT  
1 credit.

Current approaches to assessment, etiology, and treatment of topic material.

Requisites: Graduate/professional standing  
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement  
Repeatable for Credit: Yes, unlimited number of completions  
Last Taught: Spring 2023

PSYCH 741 – CLINICAL II: ASSESSMENT, ETIOLOGY, AND TREATMENT  
1 credit.

Current approaches to assessment, etiology and treatment of topic material.

Requisites: Graduate/professional standing  
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement  
Repeatable for Credit: Yes, unlimited number of completions  
Last Taught: Fall 2022
**PSYCH 750 – PROGRAMMING FOR HUMAN BEHAVIORAL DATA SCIENCE**
3 credits.

Foundations in programming fundamentals, emphasizing tools and techniques as utilized in human behavioral data science.

**Requisites:** Declared in Psychology: Human Behavioral Data Science MS or Psychology PhD

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** No

**Last Taught:** Fall 2023

**Learning Outcomes:**
1. learn Python and best-practices for writing efficient and understandable code, as informed by psychological research and methods for evaluating human behavior
   Audience: Graduate

2. learn data wrangling in Python and R
   Audience: Graduate

3. learn how to use ggplot to create effective visualizations of complex datasets
   Audience: Graduate

4. learn how to scrape data, manage complex data structures, and perform basic analyses using machine vision
   Audience: Graduate

5. learn techniques for automating repetitive tasks.
   Audience: Graduate

6. learn how to track and analyze mouse movements
   Audience: Graduate

7. be able to efficiently use and build on existing open-source APIs
   Audience: Graduate

**PSYCH 752 – APPLIED MACHINE LEARNING FOR BEHAVIORAL DATA SCIENCE**
3 credits.

Introduction to computational approaches in machine learning for the behavioral sciences.

**Requisites:** PSYCH 610 and graduate/professional standing

**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** No

**Last Taught:** Spring 2024

**Learning Outcomes:**
1. develop and refine best practices for data wrangling, general programming, and analysis in R.
   Audience: Graduate

2. distinguish among a variety of learning settings: supervised learning vs. unsupervised learning, regression vs. classification
   Audience: Graduate

3. implement a broad toolbox of well-supported machine-learning methods: decision trees, nearest neighbor, general and generalized linear models, penalized models including ridge, lasso, and elastic-nets, neural nets, support vector machines
   Audience: Graduate

4. develop expertise with common feature extraction techniques for quantitative and categorical predictors
   Audience: Graduate

5. use natural language processing approaches to extract meaningful features from text data
   Audience: Graduate

6. know how to characterize how well their regression and classification models perform and they will employ appropriate methodology for evaluating their: cross validation, ROC and PR curves, hypothesis testing
   Audience: Graduate

7. learn to apply their skills to common learning problems in psychology and behavioral sciences more generally
   Audience: Graduate
PSYCH 755 – ENVIRONMENTS AND TOOLS FOR LARGE-SCALE BEHAVIORAL DATA SCIENCE
3 credits.

Provides students with knowledge and experience conducting large-scale behavioral data science projects, independently and in collaboration with others, using a variety of contemporary software tools and environments.

Requisites: PSYCH 750 and 752

Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement

Repeatable for Credit: No

Last Taught: Summer 2023

Learning Outcomes: 1. Use online crowd-sourcing platforms for collecting behavioral data, such as Amazon Mechanical Turk, and understand issues of design, sampling, and interpretation associated with such platforms.

Audience: Graduate

2. Use integrated tools for conducting, documenting, and publishing complex behavioral data analyses, including JuPyTeR notebooks and R Markdown.

Audience: Graduate

3. Use the GitHub platform to conduct collaborative behavioral data science, including documentation, analysis development, versioning, forking and merging.

Audience: Graduate

4. Use the SQL database management system to manage large behavioral datasets

Audience: Graduate

5. Use docker containers and related tools for ensuring fully transparent and replicable behavioral data science

Audience: Graduate

6. Understand how to access and use high-throughput and high-performance infrastructure for computationally expensive jobs, and when use of these platforms is warranted.

Audience: Graduate

PSYCH/COMP SCI/ED PSYCH 770 – HUMAN-COMPUTER INTERACTION
3 credits.

Principles of human-computer interaction (HCI); human subjects research methods and procedures, qualitative and quantitative data analysis; and semester-long research project situated in critical domains of HCI, including applications in ubiquitous, affective, assistive, social, and embodied computing.

Requisites: Graduate/professional standing

Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement

Repeatable for Credit: No

Last Taught: Spring 2024

PSYCH 776 – TEACHING OF PSYCHOLOGY
1-3 credits.

Requisites: Graduate/professional standing

Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement

Repeatable for Credit: No

Last Taught: Summer 2018

PSYCH 790 – CAPSTONE I
5 credits.

Preparation for the applied capstone project, including identifying the project primary literature, relevant tools, and software and communicating these ideas and plans to relevant stakeholders.

Requisites: Consent of instructor

Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement

Repeatable for Credit: No

Last Taught: Summer 2023

Learning Outcomes: 1. Conduct a literature review to understand the current state of the art in a specific problem domain

Audience: Graduate

2. Connect in-class learning experiences to real world datasets and problems.

Audience: Graduate

3. Use online resources to acquire as-needed libraries, toolsets, and knowledge for solving data-science problems in the study of human behavior.

Audience: Graduate

4. Present a concise overview of an important problem and a proposed solution to different audiences.

Audience: Graduate

5. Write a scope-of-work proposal for partners in industry and government.

Audience: Graduate

6. Develop code implementing a data-science workflow relevant to a specific problem.

Audience: Graduate
PSYCH 791 – CAPSTONE II
3 credits.

Conduct applied capstone project, including identifying the project primary literature, relevant tools, and software and communicating these ideas and plans to relevant stakeholders.

Requisites: PSYCH 790
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Fall 2023

Learning Outcomes:
1. Understand how data-science tools and concepts from class get applied to large-scale real-world problems
   Audience: Graduate
2. Communicate about science with workers and managers in industry, government, nonprofit or lab-based settings
   Audience: Graduate
3. Complete a project from conception through design to execution
   Audience: Graduate
4. Pitch ideas for solutions to non-experts
   Audience: Graduate
5. Prepare for a diverse set of career paths
   Audience: Graduate

PSYCH 799 – INDEPENDENT READING
2-3 credits.

Directed study projects for graduate students as arranged with faculty member.

Requisites: Consent of instructor
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Fall 2018

PSYCH 802 – ASSESSMENT OF PSYCHOPATHOLOGY & PERSONALITY
2 credits.

Introduces the use of structured and semi-structured interviews typically used in psychodiagnostic settings, including research. The assessment of major/common psychopathologies and personality diagnosis will be covered. Additionally, several of the most commonly used clinical self-report and personality measures will be introduced (e.g., PAI, MMPI, BASC).

Requisites: Consent of instructor
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Fall 2022

PSYCH 803 – ADVANCED TECHNIQUES IN PSYCHOTHERAPY
3 credits.

An overview of empirically supported psychotherapeutic movements and their associated history, philosophical underpinnings, and techniques. Oriented toward the theoretical perspective, basic tenets, and the practical techniques/skills of each psychotherapy.

Requisites: Consent of instructor
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2022

PSYCH 805 – FIELD WORK IN CLINICAL PSYCHOLOGY
1-3 credits.

Supervised field work in practical clinical situations.

Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2024

PSYCH 806 – PRINCIPLES OF PSYCHOTHERAPY RESEARCH
2 credits.

Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Fall 2023
PSYCH 807 — INTRODUCTION TO CONDUCTING
PSYCHOTHERAPY
3 credits.
Introduces and allows practice with the skills needed to conduct individual psychotherapy using a cognitive behavioral approach. Includes interviewing skills, planning and initiating CBT interventions, and the administrative demands of clinical practice. Also includes conducting psychotherapy and participating in individual and group supervision of those therapeutic contacts. During supervision, the client’s issues, goals, and progress, will be discussed, as well as the clinician’s professional presentation, therapeutic approach and techniques, and communication skills.

Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2023

PSYCH 808 — CULTURE & DIVERSITY IN CLINICAL PRACTICE
3 credits.
Becoming competent in working with diverse populations in psychotherapy is a complex interaction of many dimensions that involve broad theoretical, conceptual, research, and practice issues. Build multicultural competencies by increasing knowledge of ethnic, race, gender, sexual identity, religious affiliation, and age differences that contribute to each individual course of therapy. Applied examples of this "knowledge in practice" will be presented. Focuses on introducing the concepts of multicultural counseling and assessment, and more specifically on the diversity characteristics of race, ethnicity, and sexual orientation.

Requisites: Consent of instructor
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2023

PSYCH 809 — ETHICAL AND LEGAL ISSUES IN CLINICAL PRACTICE
3 credits.
An introduction to the legal and ethical issues inherent to the conduct and process of professional clinical psychology. Reviews selected theories of moral philosophy, the American Psychological Association (APA) Ethical Principles and Codes of Conduct for Psychologists, other APA Standards and Guidelines and Wisconsin legal statutes governing the practice of psychology. Integrated with group case discussions and students. Use this as a forum to discuss ethical and legal issues pertinent to their ongoing clinical cases. Focuses on introducing ethical principles; Wisconsin statutes; ethics and legal obligations when clients report suicidal or homicidal thoughts/actions; reporting of neglect and abuse; and record keeping.

Requisites: Consent of instructor
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2023

Learning Outcomes:
1. Use the process of active ethical acculturation by learning how to read, discuss, and appreciate the ethical dimensions of professional activities and behaviors, and how they fit with your personal values and background.
   Audience: Graduate

2. Develop a working knowledge of the ethical principles, practice standards, regulations and laws governing the historical and current practice of clinical psychology.
   Audience: Graduate

3. Develop awareness and understanding of the multiplicity of roles, responsibilities, and involvements of the professional clinical psychologist.
   Audience: Graduate

4. Engage in ethical reflection and an appreciation of biases, attitudes, values, and beliefs, as part of a greater strategy for maintaining high levels of professional and ethical conduct.
   Audience: Graduate

5. Engage in ethical decision making, including a systematic method of applying guidelines evaluating and resolving ethical dilemmas.
   Audience: Graduate

6. Document the ethical decision-making process in order to defend professional decisions and actions.
   Audience: Graduate
PSYCH 810 – CLINICAL SUPERVISION, CONSULTATION, & COMMUNITY PSYCHOLOGY
3 credits.

Introduction to supervision and consultation as unique practices. Focuses on purposes of clinical supervision and consultation, theoretical frameworks and models of supervision and consultation, the roles and relationships related to clinical supervision and consultation, and legal, ethical and multicultural issues associated with clinical supervision and consultation. Also includes skill development in building a working alliance with a supervisee; providing developmentally appropriate performance feedback; planning and communicating strategies to develop rapport and motivation to solve problems in clients; negotiation and mediation to reach consensus and move past barriers; understanding and appreciating the diverse cognitive, behavioral, and effective characteristics of supervisees; applying theoretical material to case presentations and related experiential activities.

Requisites: Consent of instructor
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2024

Learning Outcomes: 1. Understand the purpose and practice of clinical supervision in different settings and have knowledge of, and be able to describe common theoretical frameworks and models of clinical supervision.
Audience: Graduate

2. Understand the roles and relationships related to clinical supervision and a developing awareness of how personal attitudes and values impact supervision.
Audience: Graduate

3. Identify factors impacting the interpersonal relationship between supervisor and supervisee, and describe steps to promote development of an effective supervisory relationship.
Audience: Graduate

4. Describe various supervision techniques and select appropriate techniques for use in different supervision situations.
Audience: Graduate

5. Assess the needs of therapists in training and develop techniques to help students develop into competent clinical psychologists.
Audience: Graduate

6. Understand the role and process of evaluation in the supervisory process, and be able to select or develop tools for evaluation.
Audience: Graduate

7. Understand the legal, ethical, and multicultural issues associated with clinical supervision, and be able to apply ethical reasoning when presented with dilemmas in practice.
Audience: Graduate

8. Understand of the theory and practice of community psychology.
Audience: Graduate

9. Understand of the theory and practice of consulting psychology
Audience: Graduate

PSYCH 811 – COGNITIVE BEHAVIOR THERAPY
1 credit.

Examines the theory and practice of Cognitive-Behavior Therapy (CBT). Focuses on core issues of CBT from both theoretical and applied perspectives through case conceptualization exercises, role-plays, and application of CBT exercises to themselves.

Requisites: Consent of instructor
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2024

PSYCH/B M I/COMP SCI 841 – COMPUTATIONAL COGNITIVE SCIENCE
3 credits.

Studies the biological and computational basis of intelligence, by combining methods from cognitive science, artificial intelligence, machine learning, computational biology, and cognitive neuroscience. Requires ability to program.

Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2022

PSYCH/I SY E 854 – SPECIAL TOPICS IN ORGANIZATION DESIGN
1-3 credits.

Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Fall 2020

Learning Outcomes: 1. Apply advanced organizational design tools to solve a variety of industrial engineering problems
Audience: Graduate

2. Analyze rigorously the methods used in organizational design
Audience: Graduate

PSYCH/I SY E 859 – SPECIAL TOPICS IN HUMAN FACTORS ENGINEERING
1-3 credits.

Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Fall 2023
PSYCH/ANTHRO 906 – METHODS AND HYPOTHESIS-TESTING FOR BEHAVIORAL ECOLOGISTS
1-3 credits.

A detailed overview of field methods for behavioral ecologists, focusing specifically on behavioral and ecological sampling techniques. It addresses the challenging process of situating an empirical study within the context of theoretical paradigms.

Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Fall 2020

PSYCH 910 – PSYCHOMETRICS
2 credits.

Focus on the construction, analysis, and interpretation of psychometric assessments, with an emphasis on concepts relevant to clinical psychology. Covers evolving issues in test theory. Extends beyond basic measurement concepts (scales, reliability, validity, bias, etc.) and critiques much of common practice from statistical and philosophical perspectives. Emphasizes that assessment always occurs in a societal context, which sometimes threatens validity.

Requisites: PSYCH 610 and declared in Psychology PhD
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2022
Learning Outcomes: 1. Learn the tenants of test theories (classical, IRT), with a focus on psychological tests.
Audience: Graduate
2. Learn to write good test items.
Audience: Graduate
3. Use factor analysis and reliability analysis to construct a scale.
Audience: Graduate
4. Evaluate different types of validity.
Audience: Graduate
5. Learn methods of evaluating bias and fairness of tests. Understand the impact of societal forces, such as racial discrimination, in evaluating test bias and fairness.
Audience: Graduate
6. Understand the use of tests for screening, including the roles of specificity, sensitivity, and base rates.
Audience: Graduate
7. Show the ability to engage in scholarly analysis with peers and the instructor by engagement on the discussion boards.
Audience: Graduate
8. Gain experience making narrated video presentations with Powerpoint or Keynote. By doing so, become responsible for part of the course content.
Audience: Graduate

PSYCH 918 – SEMINAR-GENERAL PSYCHOLOGY
1-3 credits.

Requisites: Graduate/professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Fall 2023
**PSYCH 930 — SEMINAR—SOCIAL PSYCHOLOGY**  
2-3 credits.  
**Requisites:** Graduate/professional standing  
**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement  
**Repeatable for Credit:** Yes, unlimited number of completions  
**Last Taught:** Fall 2023

**PSYCH/GEN&WS 932 — PSYCHOLOGY OF WOMEN AND GENDER**  
3 credits.  
Examines research and theory in psychology of women and gender. Topics include feminist approaches to research methods, psychological gender differences and similarities, women of color, mental health and feminist therapy, rape, sexual harassment, transgender issues and research, and public policy issues.  
**Requisites:** Graduate/professional standing  
**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement  
**Repeatable for Credit:** No  
**Last Taught:** Spring 2023

**Learning Outcomes:**  
1. Understand psychological research and theories on women and gender, at a level of proficiency to be qualified to teach an undergraduate course on the psychology of women and gender, and/or begin to conduct psychological research on gender, and/or conduct more gender-sensitive therapy.  
   **Audience:** Graduate

2. Apply feminist approaches and critiques in psychology.  
   **Audience:** Graduate

3. Understand the enormous diversity among women and trans folks along dimensions of ethnicity, social class, and sexual orientation.  
   **Audience:** Graduate

**PSYCH 954 — SEMINAR—PHYSIOLOGICAL PSYCHOLOGY**  
2-3 credits.  
**Requisites:** Graduate/professional standing  
**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement  
**Repeatable for Credit:** Yes, unlimited number of completions  
**Last Taught:** Fall 2020

**PSYCH 990 — RESEARCH**  
1-12 credits.  
Independent experimental, observational, or statistical investigation under the supervision of a staff member.  
**Requisites:** Consent of instructor  
**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement  
**Repeatable for Credit:** Yes, unlimited number of completions  
**Last Taught:** Spring 2024

**PSYCH/COUN PSY/ED PSYCH/RP & SE 995 — PREDOCTORAL INTERNSHIP**  
0 credits.  
Registration for Ph.D. students who have successfully defended the dissertation and are in the process of completing the required predoctoral internship.  
**Requisites:** Consent of instructor  
**Course Designation:** Grad 50% - Counts toward 50% graduate coursework requirement  
**Repeatable for Credit:** Yes, unlimited number of completions  
**Last Taught:** Spring 2024