Psychology

Dr. Jamie Arndt
College of Arts and Science
210 McAlester Hall
(573) 882-6860
http://psychology.missouri.edu

The faculty and staff of the Department of Psychological Sciences are committed to providing students with a high quality, broadly-based undergraduate education. Understanding that undergraduate students use the psychology major as preparation for a variety of postbaccalaureate experiences, the department is dedicated to offering a wide range of courses and services to students. While some students are interested in pursuing psychology-related interests in graduate school, most are interested in pursuing careers after graduating with a Bachelor of Arts (BA).

Regardless of a student’s ultimate goals, faculty members believe that students will be best served by completing a rigorous research-oriented program of study. Therefore, students should expect instructors to take a scientific approach to the psychological content of each course.

The department offers the BA and BS degrees with a major in Psychology, and the MA and PhD degrees with an emphasis in Clinical Psychology, Cognition & Neuroscience, Developmental Psychology, Quantitative Psychology, and Social & Personality Psychology. A minor in Quantitative Methods is also available.

Faculty


Assistant Professor J. Craggs**, A. Groh**

Assistant Research Professor J. Bohanek

Clinical Professor N. Presser*

Associate Clinical Professor M. Klein-Trull**, S. O'Neil**, J. Skinner*, E. Waller*

Associate Teaching Professor I. Segert*

Assistant Teaching Professor L. Bauer*, E. Naveh-Benjamin, M. Skaggs Sheldon,

Professor Emeritus W. Anderson, B. Biddle, R. Geen, J. LoPiccolo, D. Wright

- Graduate Faculty Member - membership is required to teach graduate-level courses, chair master's thesis committees, and serve on doctoral examination and dissertation committees.

** Doctoral Faculty Member - membership is required to chair doctoral examination or dissertation committees. Graduate faculty membership is a prerequisite for Doctoral faculty membership.

Undergraduate

- BA in Psychology (http://catalog.missouri.edu/undergraduategraduate/collegeofartsandscience/psychologicalsciences/ba-psychology)

- BS in Psychology (http://catalog.missouri.edu/undergraduategraduate/collegeofartsandscience/psychologicalsciences/bs-psychology)

- Minor in Psychology (http://catalog.missouri.edu/undergraduategraduate/collegeofartsandscience/psychologicalsciences/minor-psychology)

Graduate

- MA in Psychology (http://catalog.missouri.edu/undergraduategraduate/collegeofartsandscience/psychologicalsciences/ma-psychology)

  - emphasis in Child Development and Developmental Psychology (http://catalog.missouri.edu/undergraduategraduate/collegeofartsandscience/psychologicalsciences/ma-psychology-emphasis-child-dev-develop-psychology) *

  - emphasis in Clinical Psychology (http://catalog.missouri.edu/undergraduategraduate/collegeofartsandscience/psychologicalsciences/ma-psychology-emphasis-clin-psych) *

  - emphasis in Cognitive and Neurocognitive Science (http://catalog.missouri.edu/undergraduategraduate/collegeofartsandscience/psychologicalsciences/ma-psychology-emphasis-cognition-neurocognition) *

  - emphasis in Developmental Psychology (http://catalog.missouri.edu/undergraduategraduate/collegeofartsandscience/psychologicalsciences/ma-psychology-emphasis-developmental-psychology) *

- PhD in Psychology (http://catalog.missouri.edu/undergraduategraduate/collegeofartsandscience/psychologicalsciences/phd-psychology)

  - emphasis in Child Clinical and Developmental Psychology (http://catalog.missouri.edu/undergraduategraduate/collegeofartsandscience/psychologicalsciences/phd-psychology-emphasis-child-clin-develop-psych)

  - emphasis in Clinical and Quantitative Psychology (http://catalog.missouri.edu/undergraduategraduate/collegeofartsandscience/psychologicalsciences/phd-psychology-emphasis-clin-quant-psych)

  - emphasis in Clinical Psychology (http://catalog.missouri.edu/undergraduategraduate/collegeofartsandscience/psychologicalsciences/phd-psychology-emphasis-clin-psych)

  - emphasis in Cognitive and Neurocognitive Science (http://catalog.missouri.edu/undergraduategraduate/collegeofartsandscience/psychologicalsciences/phd-psychology-emphasis-cognition-neurocognition)

  - emphasis in Developmental Psychology (http://catalog.missouri.edu/undergraduategraduate/collegeofartsandscience/psychologicalsciences/phd-psychology-emphasis-developmental-psychology)
• emphasis in Quantitative Psychology ([http://catalog.missouri.edu/undergraduategraduate/collegeofartsandscience/psychologicalsciences/phd-psychology-emphasis-quantitative-psychology](http://catalog.missouri.edu/undergraduategraduate/collegeofartsandscience/psychologicalsciences/phd-psychology-emphasis-quantitative-psychology))

• emphasis in Social/Personality Psychology ([http://catalog.missouri.edu/undergraduategraduate/collegeofartsandscience/psychologicalsciences/phd-psychology-emphasis-social-personality-psychology](http://catalog.missouri.edu/undergraduategraduate/collegeofartsandscience/psychologicalsciences/phd-psychology-emphasis-social-personality-psychology))

* Please refer to the corresponding PhD programs for the MA emphasis areas indicated above. Students are only accepted for the PhD in Psychology and the MA is earned as a secondary degree en route to the PhD.

College of Arts and Science
210 McAlester Hall
(573) 882-0838
FAX (573) 882-7710
https://psychology.missouri.edu/grad/graduate-program

Director of Graduate Studies: Dennis K. Miller

About Psychological Sciences' Degrees

Most students accepted have an undergraduate major in psychology or its equivalent. Acceptance is based on training, quality of work, recommendations, GRE scores and other information. For additional information on admission requirements, consult Graduate Study in Psychology and Associated Fields, published annually by the American Psychological Association and available in most libraries.

More Information about Emphasis Areas

These programs and others are more fully described at the departmental website at [http://psychology.missouri.edu](http://psychology.missouri.edu).

Dual Emphases: Child Clinical and Developmental Psychology

Students in the Dual Emphasis Program pursue a graduate degree with training in both clinical (child track) and developmental psychology. Students in this program are involved in training that bridges the two areas of developmental psychology and child-clinical psychology.

Dual Emphases: Clinical and Quantitative Psychology

Students in the Dual Emphasis Program pursue a graduate degree with training in both clinical and quantitative psychology. Students in this program are involved in training that bridges the two training areas. This program provides intensive training in the area of quantitative psychology with the added benefit of training in the research and practice of clinical psychology.

For more information on dual emphases degrees: [https://psychology.missouri.edu/area/dual-degree-clinical-and-developmental-psychology](https://psychology.missouri.edu/area/dual-degree-clinical-and-developmental-psychology)

PSYCH 1000: General Psychology

Survey of theories, principles, and methods in the study of human behavior.

Credit Hours: 3

Prerequisites: This course may be restricted to Undergraduate Psychology Majors during Early Registration

Recommended: PSYCH 1000
PSYCH 2210: Mind, Brain, and Behavior
Introduction to the structures and processes of the mind and the nervous system, including the psychobiology of eating, sleeping, emotion, stress and learning. No credit if taken after PSYCH 4210.
Credit Hours: 3
Recommended: PSYCH 1000

PSYCH 2220: Drugs and Behavior
Basic principles of drug action on the nervous system; the effects of important psychoactive drugs; drug use and society.
Credit Hours: 3
Recommended: PSYCH 1000

PSYCH 2310: Social Psychology
An introduction to how people’s thoughts, feelings and behaviors are influenced by the actual or imagined thoughts, feelings and behaviors of others.
Credit Hours: 3
Recommended: PSYCH 1000

PSYCH 2320: Introduction to Personality
Personality is the scientific study of individual differences (e.g., traits, motives, abilities). This course reviews historical theoretical perspectives as well as current research. Students will have an opportunity to learn about on their own motives and traits.
Credit Hours: 3
Recommended: PSYCH 1000

PSYCH 2410: Developmental Psychology
Origins and development of child behavior, emphasizing basic physical, cognitive, affective and social processes, and theory and research rather than application or guidance. Cannot receive credit for more than one of the following: PSYCH 2410, H_D_FS 2420 or H_D_FS 3420 or ESC_PS 2500.
Credit Hours: 3
Recommended: PSYCH 1000

PSYCH 2410H: Developmental Psychology - Honors
Origins and development of child behavior, emphasizing basic physical, cognitive, affective and social processes, and theory and research rather than application or guidance. Cannot receive credit for more than one of the following: PSYCH 2410, H_D_FS 2420 or H_D_FS 3420 or ESC_PS 2500.
Credit Hours: 3
Prerequisites: Honors eligibility required. This course may be restricted to Undergraduate Psychology Majors during Early Registration
Recommended: PSYCH 1000

PSYCH 2410: Developmental Psychology
Basic survey of maladaptive human behavior and experience, including personality disorders, alcohol and drug abuse, anxiety and mood disorders, sexual dysfunctions, and thought disorders.
Credit Hours: 3
Recommended: PSYCH 1000

PSYCH 2810: Human Sexuality
Survey of research on sexual behavior including sex norms, gender identity, sexual dysfunctions, sexual deviation, homosexuality, and legal aspects of sexual behavior. Attendance at small group discussions may be required at the option of the instructor.
Credit Hours: 3
Recommended: PSYCH 1000

PSYCH 2820: Minds, Brains, and Machines
(same as LINGST 2820 and PHIL 2820). Cognitive science is a many-splendored thing. It draws on a variety of disciplines, including psychology, neuroscience, computer science, linguistics, anthropology, and philosophy. The purpose of this course is to introduce the central questions of cognitive science, the conceptual and empirical tools used to investigate those questions, and some of the answers that have emerged so far. After an initial overview of the foundations of the cognitive-scientific enterprise as a whole, we will see what particular sectors of it have to say about mental capacities such as language, categorization, reasoning, social cognition, and consciousness.
Credit Hours: 3
Recommended: PSYCH 1000

PSYCH 2830: Human-Companion Animal Interaction
Exploration of historical and theoretical bases of human-companion animal interaction (HAI), the nature issues, and clinical applications of HAI. Graded on A-F basis only.
Credit Hours: 3
Recommended: PSYCH 1000

PSYCH 2500: Special Problems in Psychology
Research apprenticeship with a faculty member, assisting a faculty member in the development and execution of research. May be repeated to 6 hours maximum.
Credit Hour: 1-99
Recommended: PSYCH 1000
PSYCH 3003: Topics in Psychology-Behavioral Science
Organized study of selected topics in psychology. Particular topic and
earnable credit may vary by semester. This course carries behavioral
science distribution credit for non-psychology majors. Repeatable upon
consent of department.
Credit Hour: 1-99
Prerequisites: PSYCH 1000. This course may be restricted to
Undergraduate Psychology Majors during Early Registration

PSYCH 3003H: Topics in Psychology-Behavioral Science
Organized study of selected topics in psychology. Particular topic and
earnable credit may vary by semester. This course carries behavioral
science distribution credit for non-psychology majors. Repeatable upon
consent of department.
Credit Hour: 1-99
Prerequisites: PSYCH 1000. This course may be restricted to
Undergraduate Psychology Majors during Early Registration

PSYCH 3003W: Topics in Psychology-Behavioral Science - Writing
Intensive
Organized study of selected topics in psychology. Particular topic and
earnable credit may vary by semester. This course carries behavioral
science distribution credit for non-psychology majors. Repeatable upon
consent of department.
Credit Hour: 1-99
Prerequisites: PSYCH 1000. This course may be restricted to
Undergraduate Psychology Majors during Early Registration

PSYCH 3010: Research Methods in Psychology I
Introduction to scientific reasoning, assessing validity and reliability in
research, and basic research methods.
Credit Hours: 3
Prerequisites or Corequisites: concurrent enrollment in STAT 1200 or a
grade of C or better in STAT 1200 (or its equivalent)
Prerequisites: PSYCH 1000. This course is restricted to psychology
majors with sophomore standing and above

PSYCH 3020: Research Methods in Psychology II
Continuation of PSYCH 3010 and required for all further labs in
psychology.
Credit Hours: 3
Prerequisites: MATH 1100 with a grade of C- or better or exemption, and
PSYCH 1000, and a grade of C or better in PSYCH 3010 and
STAT 1200 or exemption. This course is restricted to junior and senior
psychology majors

PSYCH 3110W: Theories of Learning - Writing Intensive
Discusses classical issues and theories in learning and conditioning, and
considers them in contemporary form.
Credit Hours: 3
Prerequisites: PSYCH 1000. This course may be restricted to
Undergraduate Psychology Majors during Early Registration

PSYCH 3140: Cognitive Psychology
A survey of psychological theory and research on human cognition.
Credit Hours: 3
Prerequisites: PSYCH 1000. This course may be restricted to
Undergraduate Psychology Majors during Early Registration

PSYCH 3150: Human Memory
Surveys research on human memory, including basic laboratory
studies with normal subjects as well as research on amnesia and other
memory impairments, life-span memory development, and the cognitive
neuroscience of memory.
Credit Hours: 3
Prerequisites: PSYCH 1000. This course may be restricted to
Undergraduate Psychology Majors during Early Registration

PSYCH 3310: Intergroup Relations
Provides an overview of the social psychological literature on
stereotyping, prejudice, discrimination, and intergroup relations. Students
learn theoretical frameworks and research findings regarding the
development and maintenance of intergroup conflict.
Credit Hours: 3
Prerequisites: PSYCH 1000. This course may be restricted to
Undergraduate Psychology Majors during Early Registration

PSYCH 3350: Positive Psychology
This course introduces students to the science of positive psychology,
including its origin and the historical imbalances it addresses within
the broader field of psychology. A wide variety of topics are covered,
including happiness, materialism, purpose, flow, courage, humility,
positive emotions, curiosity, mindfulness, savoring, gratitude, forgiveness,
personal strengths, resilience, and compassion. Psychology majors
cannot receive credit for both PSYCH 3350 and ESC_PS 4200.
Credit Hours: 3
Prerequisites: PSYCH 1000. This course may be restricted to
Undergraduate Psychology Majors during Early Registration

PSYCH 3370: The Science of Mindfulness
To gain breadth and depth in understanding the empirical research
on mindfulness and contemplative practices. To do well in the
course, students must master the substantive content, psychological
methodology, APA-style writing, peer-review, and presentation skills. Graded on A-F basis only.

**Credit Hours: 3**
**Prerequisites:** PSYCH 1000 and a grade of C or better in PSYCH 3010. This course may be restricted to psychology majors through early registration

---

**PSYCH 3370W: The Science of Mindfulness - Writing Intensive**

To gain breadth and depth in understanding the empirical research on mindfulness and contemplative practices. To do well in the course, students must master the substantive content, psychological methodology, APA-style writing, peer-review, and presentation skills. Graded on A-F basis only.

**Credit Hours: 3**
**Prerequisites:** PSYCH 1000 and a grade of C or better in PSYCH 3010. This course may be restricted to psychology majors through early registration

---

**PSYCH 3420: Cognitive Development in Childhood**

Theories and research on cognitive development in childhood.

**Credit Hours: 3**
**Prerequisites:** PSYCH 1000. This course may be restricted to Undergraduate Psychology Majors during Early Registration

---

**PSYCH 3430: Social Development in Childhood**

Overview of children's social and emotional development (infancy-adolescence), includes changes in social domains, impact of social functioning on subsequent development, and influence of interpersonal contexts (e.g., family, peers, community) on children's development.

**Credit Hours: 3**
**Prerequisites:** PSYCH 1000. This course may be restricted to Undergraduate Psychology Majors during Early Registration

---

**PSYCH 3430W: Social Development in Childhood - Writing Intensive**

Overview of children's social and emotional development (infancy-adolescence), includes changes in social domains, impact of social functioning on subsequent development, and influence of interpersonal contexts (e.g., family, peers, community) on children's development.

**Credit Hours: 3**
**Prerequisites:** PSYCH 1000. This course may be restricted to Undergraduate Psychology Majors during Early Registration

---

**PSYCH 3440: Women's Professional Development**

This class takes a lifespan developmental perspective in regards to understanding challenges in women's professional development. Topics include: perceptions and stereotypes of successful women, division of labor in families (housework versus paid work), motherhood and the workplace, social policies for working parents, girls' and boys' interests in STEM professions, and gender and workplace economics (starting salaries, negotiation, the gender pay gap). Graded on A-F basis only.

**Credit Hours: 3**
**Prerequisites:** PSYCH 1000. This course may be restricted to undergraduate psychology majors through early registration

---

**PSYCH 3440H: Women's Professional Development - Honors**

This class takes a lifespan developmental perspective in regards to understanding challenges in women's professional development. Topics include: perceptions and stereotypes of successful women, division of labor in families (housework versus paid work), motherhood and the workplace, social policies for working parents, girls' and boys' interests in STEM professions, and gender and workplace economics (starting salaries, negotiation, the gender pay gap). Graded on A-F basis only.

**Credit Hours: 3**
**Prerequisites:** PSYCH 1000; Honors eligibility required. This course may be restricted to Undergraduate Psychology Majors during Early Registration

---

**PSYCH 3510: Introduction to Clinical Psychology**

Comprehensive survey of the field's historical roots, research methods, concepts of abnormality, assessment and intervention methods; also specialties that constitute clinical psychology.

**Credit Hours: 3**
**Prerequisites:** PSYCH 1000. This course may be restricted to Undergraduate Psychology Majors during Early Registration

---

**PSYCH 3510W: Introduction to Clinical Psychology - Writing Intensive**

Comprehensive survey of the field's historical roots, research methods, concepts of abnormality, assessment and intervention methods; also specialties that constitute clinical psychology.

**Credit Hours: 3**
**Prerequisites:** PSYCH 1000. This course may be restricted to Undergraduate Psychology Majors during Early Registration

---

**PSYCH 3515H: Cross-Cultural Psychology - Honors**

We will adopt a psychological approach to the study of the cross-cultural experience. We will spend our time investigating how culture affects and determines human, behavior, thoughts, emotions and interactions with others.

**Credit Hours: 3**
**Prerequisites:** PSYCH 1000; Honors eligibility required

---

**PSYCH 3815: Cross-Cultural Psychology**

We will adopt a psychological approach to the study of the cross-cultural experience. We will spend our time investigating how culture affects and determines human, behavior, thoughts, emotions and interactions with others.

**Credit Hours: 3**
**Prerequisites:** PSYCH 1000

---

**PSYCH 3815H: Cross-Cultural Psychology - Honors**

We will adopt a psychological approach to the study of the cross-cultural experience. We will spend our time investigating how culture affects and determines human, behavior, thoughts, emotions and interactions with others.

**Credit Hours: 3**
**Prerequisites:** PSYCH 1000; Honors eligibility required

---

**PSYCH 3825: Psychology at the Movies**

We will watch, discuss, and interpret films from a psychological-social perspective. Connections will be made between cinematic content and contemporary theory and research in psychology and diversity studies. The focus of this course will be on watching and discussing films, as well as on reading and writing about psychological aspects of film.

**Credit Hours: 3**
**Prerequisites:** PSYCH 1000
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Prerequisites</th>
<th>Credit Hours</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYCH 325H</td>
<td>Psychology at the Movies - Honors</td>
<td>We will watch, discuss, and interpret films from a psychological-social</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>perspective. Connections will be made between cinematic content and</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>contemporary theory and research in psychology and diversity studies. The</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>focus of this course will be on watching and discussing films, as well as on</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>reading and writing about psychological aspects of film. Graded on</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>A-F basis only.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Prerequisites: PSYCH 1000; Honors eligibility</td>
<td>required</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSYCH 3830</td>
<td>Health Psychology</td>
<td>A hands-on approach to the study of health psychology including research on a</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>topic of current relevance to the field.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSYCH 3840</td>
<td>Individual Differences</td>
<td>Surveys individual and group differences. Contributions of various factors to</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>variations in behavior.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSYCH 3860</td>
<td>Law and Psychological Science</td>
<td>This survey course examines the interactions of law and psychology across the</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>justice system. Emphasis is placed on how psychological research does (and</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>does not) inform important legal issues. Requirements may include an in-class</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>team debate of relevant controversy in law.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSYCH 3870</td>
<td>Sleep and Sleep Disorders</td>
<td>This course provides a critical review of the current research on both</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>normal sleep and sleep disorders.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSYCH 3880</td>
<td>African-American Psychology</td>
<td>(Same as BL_STU 3100 and ESC_PS 3100). The research, theories and paradigms</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>developed to understand the attitudes, behaviors and psychosocial realities of</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>African-Americans are discussed. Graded on A-F basis only.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSYCH 4003</td>
<td>Topics in Psychology-Behavioral Science</td>
<td>Organized study of selected topics in psychology. Particular topic and</td>
<td>1-99</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>earnable credit may vary by semester. This course carries behavioral</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>science distribution credit for non-psychology majors. Repeatable upon</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>consent of department.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSYCH 4010</td>
<td>Topics in Psychology Capstone - Honors</td>
<td>Students review, evaluate and conduct research on selected topics in</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>psychology. The particular topic will vary by semester and instructor.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSYCH 4010H</td>
<td>Topics in Psychology Capstone - Honors/Writing</td>
<td>Enrollment limited to psychology majors with senior standing who have a grade</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>of C or better in PSYCH 3020. Graded on A-F basis only.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSYCH 4010HW</td>
<td>Topics in Psychology Capstone - Honors/Writing</td>
<td>Students review, evaluate and conduct research on selected topics in</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>psychology. The particular topic will vary by semester and instructor.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Enrollment limited to psychology majors with senior standing who have a grade</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>of C or better in PSYCH 3020. Graded on A-F basis only.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSYCH 4110</td>
<td>Perception</td>
<td>Data and contemporary theories of perception in all of the senses, with</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>emphasis on visual and auditory perception.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSYCH 4210</td>
<td>Physiological Psychology</td>
<td>An introduction to neuroscience with an overview of the relation between</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>the brain and behavior. Topics include intercellular communication, drugs</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
and reward, emotions and stress psychoimmunology, psychopathology, nervous system development and repair, perception, cognition, learning and memory.

**Credit Hours:** 3  
**Prerequisites:** PSYCH 1000. This course may be restricted to Undergraduate Psychology Majors during Early Registration

---

**PSYCH 4220: Animal Behavior and Cognition**  
The purpose of this course is to introduce the basic findings, concepts and principles of animal behavior, associative learning, memory and cognition.

**Credit Hours:** 3  
**Prerequisites:** PSYCH 1000. This course may be restricted to Undergraduate Psychology Majors during Early Registration

---

**PSYCH 4240: Cognitive Neuroscience**  
The neural basis of human information processing in memory, attention, perception, imagery, movement, and language.

**Credit Hours:** 3  
**Prerequisites:** PSYCH 1000. This course may be restricted to Undergraduate Psychology Majors during Early Registration  
**Recommended:** PSYCH 2210 and PSYCH 4210

---

**PSYCH 4360: Social Cognition**  
The overarching goal of this course is to provide an overview of current research and theory in social cognition. If there is a running theme to this course, it is in the use of “top down” processes in how we construct an understanding of the world around us. That is, we use our past experiences and memories to interpret new experiences, people and behavior. This fact does not dictate whether that understanding is accurate or not. However, social psychologists have historically been interested in the ways that this process leads to errors or biases in a vast array of human endeavors. This perspective has had a strong impact on the trajectory of social cognition. Graded on A-F basis only.

**Credit Hours:** 3  
**Prerequisites:** PSYCH 1000. This course may be restricted to undergraduate Psychology majors during early registration

---

**PSYCH 4440: Sex Differences**  
This course covers the evolution of sex differences and hormonal and environmental influences on their expressions in nonhuman species. These insights are used to understand human sex differences in mate choices, emotions, development, brain and cognition, and in modern societies.

**Credit Hours:** 3  
**Prerequisites:** PSYCH 1000. This course may be restricted to Undergraduate Psychology Majors during Early Registration

---

**PSYCH 4520: Behavior Genetics**  
(cross-leveled with PSYCH 7520). The study of genetic influences on behavioral traits such as mood, personality, intelligence, mental health, or activity level.

**Credit Hours:** 3  
**Prerequisites:** PSYCH 1000; This course may be restricted to Undergraduate Psychology Majors during Early Registration

---

**PSYCH 4580: Externalizing Spectrum Disorders**  
The purpose of this course is to provide an overview of the symptoms, etiology, and treatment of psychiatric disorders that fall within the externalizing spectrum, including Attention-Deficit Hyperactivity Disorder, Oppositional Defiant Disorder, Conduct Disorder, Alcohol and other Substance Use Disorders, and Antisocial Personality Disorder. This course will attempt to provide an overview of key issues and topics.
related to the classification of psychiatric disorders and how research in this area has led to current conceptualizations of the externalizing spectrum. Graded on A-F basis only.

Credit Hours: 3
Prerequisites: PSYCH 1000. This course may be restricted to Undergraduate Psychology Majors during Early Registration

PSYCH 4830: Psychology of Women
(same as WGST 4830). Overview of current theories and research relating to the psychology of women. Topics include gender stereotyping, psychological sex differences, achievement motivation in women, and women and mental health.

Credit Hours: 3
Prerequisites: PSYCH 1000

PSYCH 4840: The History of Psychology
Historical foundations of contemporary psychology.

Credit Hours: 3
Prerequisites: PSYCH 1000. This course may be restricted to Undergraduate Psychology Majors during Early Registration

PSYCH 4940: Internship in Psychology
Work experience in an organization that is relevant to the psychology major. Enrollment limited to students who are in good standing and have completed 9 credit hours in psychology. Intended for students with junior or senior standing.

Credit Hour: 3-6
Prerequisites: Instructor's consent required

PSYCH 4940W: Internship in Psychology - Writing Intensive
Work experience in an organization that is relevant to the psychology major. Enrollment limited to students who are in good standing and have completed 9 credit hours in psychology. Intended for students with junior or senior standing.

Credit Hour: 3-6
Prerequisites: Instructor's consent required

PSYCH 4950: Special Problems in Psychology
Independent investigation leading to a project or paper. Repeatable upon consent of department.

Credit Hour: 1-99
Prerequisites: instructor's consent

PSYCH 4960: Special Readings in Psychology
Independent readings selected in consultation with supervisory faculty member. Repeatable upon consent of department.

Credit Hour: 1-99
Prerequisites: instructor's consent

PSYCH 4971: Developmental Psychology Capstone
Introduces students to developmental research methods through relevant readings and by students conducting original research. Enrollment limited to psychology majors with senior standing who have a grade of C or better in PSYCH 3020.

Credit Hours: 3
Prerequisites: consent required

PSYCH 4971W: Developmental Psychology Capstone - Writing Intensive
Introduces students to developmental research methods through relevant readings and by students conducting original research. Enrollment limited to psychology majors with senior standing who have a grade of C or better in PSYCH 3020.

Credit Hours: 3
Prerequisites: consent required

PSYCH 4972: Animal Learning Capstone
Survey of principles of animal behavior and animal learning and cognition. The course includes laboratory projects on research in animal behavior and animal learning. Enrollment limited to psychology majors with senior standing who have a grade of C or better in PSYCH 3020.

Credit Hours: 3
Prerequisites: Department consent required

PSYCH 4972W: Animal Learning Capstone - Writing Intensive
Survey of principles of animal behavior and animal learning and cognition. The course includes laboratory projects on research in animal behavior and animal learning. Enrollment limited to psychology majors with senior standing who have a grade of C or better in PSYCH 3020.

Credit Hours: 3
Prerequisites: consent required

PSYCH 4973W: Human Cognition Capstone - Writing Intensive
Students review, evaluate and conduct research on various aspects of human cognition. Enrollment limited to psychology majors with senior standing who have a grade of C or better in PSYCH 3020.

Credit Hours: 3
Prerequisites: Department consent required

PSYCH 4974W: The Human Senses Capstone - Writing Intensive
Psychophysical data, sense organs, psychological attributes, and theories of vision, hearing, and the vestibular (motion) senses. Elementary aspects of psychophysics.

Credit Hours: 3
Prerequisites: grade of C better in PSYCH 3020. This course is restricted to psychology majors with senior standing. Consent required

PSYCH 4975: Social/Personality Capstone
Experimental methods course emphasizing research in social psychology. Enrollment limited to psychology majors with senior standing who have a grade of C or better in PSYCH 3020.
Credit Hours: 3
Prerequisites: Consent required

PSYCH 4975W: Social/Personality Capstone - Writing Intensive
Experimental methods course emphasizing research in social psychology. Enrollment limited to psychology majors with senior standing who have a grade of C or better in PSYCH 3020.
Credit Hours: 3
Prerequisites: Consent required

PSYCH 4976: Independent Research Capstone I
Individual thesis on a topic selected with a faculty advisor. Student projects are carried out over the course of two semesters (with PSYCH 4977) and presented as posters in a spring conference. Weekly class discussions of student progress. For students who plan to pursue a PhD in Psychology or Neuroscience. Enrollment limited to psychology majors with senior standing who have taken PSYCH 3020.
Credit Hours: 3
Prerequisites: Consent required

PSYCH 4976H: Honors Research Capstone I
Individual thesis on a topic selected with a faculty advisor. Student projects are carried out over the course of two semesters (with PSYCH 4977H) and presented as posters in a spring conference. Weekly class discussions of student progress. For students who plan to pursue a PhD in Psychology or Neuroscience. Enrollment limited to psychology majors with senior standing, honors eligibility, a cumulative GPA of 3.5, who have taken PSYCH 3020.
Credit Hours: 3
Prerequisites: Consent required

PSYCH 4976HW: Honors Research Capstone I - Honors/Writing Intensive
Individual thesis on a topic selected with a faculty advisor. Student projects are carried out over the course of two semesters (with PSYCH 4977HW) and presented as posters in a spring conference. Weekly class discussions of student progress. For students who plan to pursue a PhD in Psychology or Neuroscience. Enrollment limited to psychology majors with senior standing, honors eligibility, a cumulative GPA of 3.5, who have taken PSYCH 3020.
Credit Hours: 3
Prerequisites: Consent required

PSYCH 4976W: Independent Research Capstone II - Writing Intensive
Individual thesis on a topic selected with a faculty advisor. Student projects are carried out over the course of two semesters (with PSYCH 4977W) and presented as posters in a spring conference. Weekly class discussions of student progress. For students who plan to pursue a PhD in Psychology or Neuroscience. Enrollment limited to psychology majors with senior standing who have taken PSYCH 3020.
Credit Hours: 3
Prerequisites: Consent required

PSYCH 4977: Independent Research Capstone II
Continuation of PSYCH 4976. Completion of research project, presentation of poster in a spring conference. Weekly class discussions of student progress. Enrollment limited to psychology majors with senior standing who have completed PSYCH 4976.
Credit Hours: 3
Prerequisites: Consent required

PSYCH 4977HW: Honors Research Capstone II - Honors/Writing Intensive
Continuation of PSYCH 4976HW. Completion of research project, presentation of poster in a spring conference. Weekly class discussions of student progress. Enrollment limited to psychology majors with senior standing, honors eligibility, a cumulative GPA of 3.5, who have completed PSYCH 4976HW.
Credit Hours: 3
Prerequisites: Consent required

PSYCH 4979W: Judgement and Decision Making Capstone - Writing Intensive
This course examines the psychology of human judgement and decision-making. We will discuss major theories, methods and basic experimental findings and identify how those findings are being used to develop public policy or in applied settings.
Credit Hours: 3
Prerequisites: grade of C or better in PSYCH 2030; This course is restricted to psychology majors with senior standing. Consent required

PSYCH 4980: Human Relationships Capstone
Students design a study, collect data, and describe their research on some aspect of human relationships. Emphasis on survey research
techniques. Enrollment limited to psychology majors with senior standing who have a grade of C or better in PSYCH 3020.

Credit Hours: 3  
Prerequisites: Department consent required

PSYCH 4980W: Human Relationships Capstone - Writing Intensive  
Students design a study, collect data, and describe their research on some aspect of human relationships. Emphasis on survey research techniques. Enrollment limited to psychology majors with senior standing who have a grade of C or better in PSYCH 3020.

Credit Hours: 3  
Prerequisites: Department consent required

PSYCH 4981: Advanced Developmental Psychology Capstone I  
Students propose a study to be conducted with preschool children. The course teaches skills needed to develop research questions, develop a coding system, and write a research proposal that reviews past literature in a way that makes the case for the importance of the project. Graded on A-F basis only. Enrollment limited to psychology majors with senior standing and a grade of C or better in PSYCH 3020.

Credit Hours: 3  
Prerequisites: Departmental consent required

PSYCH 4981W: Advanced Developmental Psychology Capstone I - Writing Intensive  
Students propose a study to be conducted with preschool children. The course teaches skills needed to develop research questions, develop a coding system, and write a research proposal that reviews past literature in a way that makes the case for the importance of the project. Graded on A-F basis only. Enrollment limited to psychology majors with senior standing and a grade of C or better in PSYCH 3020.

Credit Hours: 3  
Prerequisites: Departmental consent required

PSYCH 4982: Advanced Developmental Psychology II  
Students conduct a research project involving observations of preschool children. The course teaches skills needed to collect data, analyze data, and write a research report. These skills provide excellent preparation for graduate school in psychology or a related field. Graded on A-F basis only. Enrollment limited to psychology majors with senior standing who have a grade of C or better in PSYCH 3020.

Credit Hours: 3  
Prerequisites: Departmental consent required

PSYCH 4982W: Advanced Developmental Psychology II - Writing Intensive  
Students conduct a research project involving observations of preschool children. The course teaches skills needed to collect data, analyze data, and write a research report. These skills provide excellent preparation for graduate school in psychology or a related field. Graded on A-F basis only. Enrollment limited to psychology majors with senior standing who have a grade of C or better in PSYCH 3020.

Credit Hours: 3  
Prerequisites: Departmental consent required

PSYCH 4983W: Consumer Psychology Capstone - Writing Intensive  
This course examines numerous social and psychological issues related to the area of consumer psychology. The course begins by examining how media exposure influences consumption, prejudice in marketing and advertising, and the question of whether children should be targets of marketing strategies. The second section examines how consumption can be influenced by unconscious and automatic factors. The third section examines unhealthy forms of consumption and consumption’s relationship to well being. The fourth section focuses on ethical and social responsibility issues like consumption’s impact on the environment and the voluntary simplicity movement. The last section of the course is devoted to student presentations of term papers. Graded on A-F basis only. Enrollment limited to psychology majors with senior standing who have a grade of C or better in PSYCH 3020.

Credit Hours: 3  
Prerequisites: Consent required

PSYCH 4984W: Promoting Social Justice, Diversity, and Inclusion Capstone - Writing Intensive  
This course is an advanced exploration of diversity and social justice in the United States and provides students with a framework for understanding specific forms and the interlocking systems of oppression; a process to explore how oppression affects our lives; a pedagogical framework for teaching and training about concepts of oppression and diversity; and an application of these ideologies and skills in community settings. Enrollment limited to psychology majors with senior standing who have a grade of C or better in PSYCH 3020. Graded on A-F basis only.

Credit Hours: 3  
Prerequisites: Department Consent required

PSYCH 4985: Health Psychology Capstone  
The objectives of this course are to understand the psychosocial processes that influence health and health care delivery. Topics to be examined are the psychophysiological and sociocultural bases of health and illness; pain and healing; adaptation to chronic illness; stress; personality and illness; death, dying, and grief; substance use; health-promoting behaviors; patient adherence; physician-patient communication; and using health care. Graded on A-F only. Enrollment limited to psychology majors with senior standing who have a grade of C or better in PSYCH 3020.

Credit Hours: 3  
Prerequisites: Department consent required

PSYCH 4986W: Consumer Psychology Capstone - Writing Intensive  
This course examines numerous social and psychological issues related to the area of consumer psychology. The course begins by examining how media exposure influences consumption, prejudice in marketing and advertising, and the question of whether children should be targets of marketing strategies. The second section examines how consumption can be influenced by unconscious and automatic factors. The third section examines unhealthy forms of consumption and consumption’s relationship to well being. The fourth section focuses on ethical and social responsibility issues like consumption’s impact on the environment and the voluntary simplicity movement. The last section of the course is devoted to student presentations of term papers. Graded on A-F basis only. Enrollment limited to psychology majors with senior standing who have a grade of C or better in PSYCH 3020.

Credit Hours: 3  
Prerequisites: Consent required

PSYCH 4986W: Perception and Action Capstone - Writing Intensive  
Together we will explore how the brain creates our conscious experience of, and controls our actions in, the world. A variety of weekly assignments will challenge you to improve your written communication skills.
Enrollment limited to psychology majors with senior standing who have a grade of C or better in PSYCH 3020. Graded on A-F basis only.

**Credit Hours:** 3  
**Prerequisites:** Departmental consent required

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
<th>Credit Hours</th>
<th>Prerequisites</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYCH 4987</td>
<td>Cross-Cultural Psychology Capstone</td>
<td>This course adopts a psychological approach to the study of the cross-cultural experience. It will investigate how culture affects and determines human behavior, thoughts, emotions, and interactions. Graded on A-F basis only. Enrollment is limited to senior Psychology majors who have completed PSYCH 1000; PSYCH 3020 with a grade of C or better.</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSYCH 4987H</td>
<td>Cross-Cultural Psychology Capstone - Honors</td>
<td>This course will adopt a psychological approach to the study of the cross-cultural experience. It will investigate how culture affects and determines human behavior, thoughts, emotions, and interactions with others. Students will be part of public scholarship and have opportunities for public presentations of projects. Graded on A-F basis only. Enrollment is limited to senior Psychology majors who have completed PSYCH 1000; PSYCH 3020 with a grade of C or better; honors eligibility required.</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSYCH 4987W</td>
<td>Cross-Cultural Psychology Capstone - Writing Intensive</td>
<td>This course adopts a psychological approach to the study of the cross-cultural experience. It will investigate how culture affects and determines human behavior, thoughts, emotions, and interactions. Graded on A-F basis only. Enrollment is limited to senior Psychology majors who have completed PSYCH 1000; PSYCH 3020 with a grade of C or better.</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSYCH 4988</td>
<td>Medical Decision Making Capstone</td>
<td>Students will learn how patients make decisions about their own healthcare and how doctors make diagnostic and treatment decisions for their patients. Enrollment is limited to senior Psychology majors who have completed PSYCH 1000; PSYCH 3020 with a grade of C or better. Graded on A-F basis only.</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSYCH 4988W</td>
<td>Medical Decision Making Capstone - Writing Intensive</td>
<td>Students will learn how patients make decisions about their own healthcare and how doctors make diagnostic and treatment decisions for their patients. Enrollment is limited to senior Psychology majors who have completed PSYCH 1000; PSYCH 3020 with a grade of C or better. Graded on A-F basis only.</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSYCH 7085</td>
<td>Problems in Psychology</td>
<td>Advanced studies to meet needs of individual student. Graded on S/U basis only.</td>
<td>1-99</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSYCH 7110</td>
<td>Perception</td>
<td>(cross-leveled with PSYCH 4520). Data and contemporary theories of perception in all of the senses, with emphasis on visual and auditory perception.</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSYCH 7520</td>
<td>Behavior Genetics</td>
<td>The study of genetic influences on behavioral traits such as mood, personality, intelligence, mental health, or activity level.</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSYCH 7840</td>
<td>The History of Psychology</td>
<td>Historical foundations of contemporary psychology.</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSYCH 8050</td>
<td>Research in Psychology - Non-Thesis</td>
<td>Research in psychology not leading to thesis. Graded on S/U basis only.</td>
<td>1-99</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSYCH 8085</td>
<td>Problems in Psychology</td>
<td>Advanced studies to meet needs of individual student. Graded on S/U basis only.</td>
<td>1-99</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSYCH 8090</td>
<td>Research in Psychology - Thesis</td>
<td>Research in psychology leading to thesis. Graded on S/U basis only.</td>
<td>1-99</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSYCH 8110</td>
<td>Cognitive Psychology</td>
<td>Focuses on basic research on human perception, memory, attention, language, and thought.</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSYCH 8210</td>
<td>Functional Neuroscience</td>
<td>Basic techniques, data and theory in the neurosciences applied to the study of psychopathology, psychopharmacology, neural development, brain damage, memory and other areas of &quot;behavior.&quot;</td>
<td>3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
PSYCH 8410: Psychology of Development
Principles, theories, research in normal human development.
Credit Hours: 3
Prerequisites: instructor's consent

PSYCH 8420: Cognitive Development
(same as H_D_FS 8420). An introduction to central theories and issues in the study of cognitive development in infancy and childhood. Emphasis is on major theoretical frameworks for studying cognitive development, and topics such as perception, memory, language, categorization, and reasoning.
Credit Hours: 3
Prerequisites: instructor's consent

PSYCH 8440: Social and Emotional Development
(same as H_D_FS 8440). There are two major objectives for this course. The first is a "content" objective and involves familiarizing students with theory and research regarding social, emotional, and personality development in childhood and adolescence and also regarding the relationships in which such development takes place. The second objective is a "process" objective and involves enhancing students skills at interpreting empirical research, identifying gaps in the literature, and identifying research strategies for addressing those gaps.
Credit Hours: 3

PSYCH 8510: Developmental Psychopathology
Etiology, diagnosis, and treatment of disordered behavior from infancy through adolescence. Emphasizes contrasting theories and research issues.
Credit Hours: 3
Prerequisites: instructor's consent

PSYCH 8520: Adult Psychopathology
Problems of etiology, diagnosis, treatment in psychopathology. Considers theory, research, case histories.
Credit Hours: 3
Prerequisites: instructor's consent

PSYCH 8540: General Linear Models in Psychology I
Principles of interval estimation and hypothesis testing, scalar and matrix forms of simple and multiple regression with continuous and categorical predictors, regression diagnostics.
Credit Hours: 4
Prerequisites: undergraduate course in statistics; concurrent enrollment in PSYCH 8730; instructor's consent

PSYCH 8550: General Linear Models in Psychology II
Complex analysis of variance; experimental design.
Credit Hours: 4
Prerequisites: PSYCH 8710 or equivalent, concurrent enrollment in PSYCH 8730; instructor's consent

PSYCH 8560: Statistical Software Packages
Computer implementation of data management and statistical analysis. Covers elementary computer operations, data entry and quality control, and computer implementation of statistical models covered in PSYCH 8710 and PSYCH 8720.
Credit Hour: 1
Prerequisites: instructor's consent

PSYCH 8910: Responsible Conduct of Research
This course exposes students to important concepts in the responsible conduct of research. Graded on A-F basis only.
Credit Hour: 1

PSYCH 8920: Social and Behavioral Sciences in Public Health
(same as P_HLTH 8920). This course will take both a theoretical and a practical approach to understanding health-related behavior and the field of public health. Students will gain an understanding of theory and empirical research in the social and behavioral sciences, as well as developing practical skills in critically evaluating research and in applying scientific evidence to address real world health concerns.
Credit Hours: 3

PSYCH 9001: Topics in Psychology-General
Organized study of selected topics in psychology. Particular topic and earnable credit may vary by semester.
Credit Hour: 1-99
Prerequisites: instructor's consent, departmental consent for repetition

PSYCH 9050: Research in Psychology - Non-Dissertation
Research in Psychology not leading to dissertation. Graded on S/U basis only.
Credit Hour: 1-99
Prerequisites: instructor's consent

PSYCH 9090: Research in Psychology - Dissertation
Research in Psychology leading to dissertation. Graded on S/U basis only.
Credit Hour: 1-99
Prerequisites: instructor's consent
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
<th>Credit Hours</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYCH 9110</td>
<td>Studies in Experimental Psychology</td>
<td>Critical consideration of selected research in neuroscience and cognitive psychology.</td>
<td>3</td>
<td>PSYCH 4972 or PSYCH 4973; departmental consent for repetition; instructor's consent</td>
</tr>
<tr>
<td>PSYCH 9120</td>
<td>Studies in Physiological Psychology</td>
<td>Weekly seminars given by local and regional cognitive psychologists and cognitive neuroscientists. Graded on S/U basis only.</td>
<td>1</td>
<td>PSYCH 7210, departmental consent for repetition, and instructor's consent</td>
</tr>
<tr>
<td>PSYCH 9150</td>
<td>Human Learning and Memory</td>
<td>Current theory and research in the area of human learning and memory will be investigated. A major component of the course will involve the critical review of existing literature in this area.</td>
<td>3</td>
<td>instructor's consent</td>
</tr>
<tr>
<td>PSYCH 9210</td>
<td>Psychopharmacology</td>
<td>Basic principles of drug action on the nervous system, the theory and clinical use of the various psychotherapeutic drugs, drug abuse and its treatment.</td>
<td>3</td>
<td>instructor's consent</td>
</tr>
<tr>
<td>PSYCH 9230</td>
<td>Seminar on fMRI</td>
<td>Fundamentals of MRI and its application to brain imaging, including experimental design, analysis and contemporary issues. During the lab component, students will use FSL and other software to analyze fMRI data and will design and implement their own fMRI experiments.</td>
<td>3</td>
<td>instructor's consent</td>
</tr>
<tr>
<td>PSYCH 9240</td>
<td>Advanced Neural Systems</td>
<td>The course provides in-depth coverage of the neurophysiology, neuroanatomy, and function of the brain. Course lectures and discussions cover the brain and its systems in a &quot;bottom-up&quot; sequence starting with basic sensory pathways and concluding with higher cognitive functions. The course also includes hands-on laboratory sessions, which include dissection component. Graded on A-F basis only.</td>
<td>3</td>
<td>instructor's consent</td>
</tr>
<tr>
<td>PSYCH 9310</td>
<td>Theories of Social Psychology</td>
<td>Intensive review of classic and contemporary concepts and theories of social psychology; emphasizes readings from primary sources. PhD candidates only. Required for all PhD candidates in social psychology.</td>
<td>3</td>
<td>instructor's consent</td>
</tr>
<tr>
<td>PSYCH 9320</td>
<td>Social Psychology Methodology</td>
<td>Advanced study of experimental methods in social psychological research.</td>
<td>3</td>
<td>instructor's consent</td>
</tr>
<tr>
<td>PSYCH 9330</td>
<td>Field Research Methods</td>
<td>Advanced course in research methods and designs commonly used in field settings; theoretical, ethical, and pragmatic issues that arise in field settings are considered; emphasis is on learning and skill acquisition through a series of hands-on assignments.</td>
<td>3</td>
<td>instructor's consent</td>
</tr>
<tr>
<td>PSYCH 9350</td>
<td>Studies in Social Psychology</td>
<td>Critical coverage of selected research and theory in social psychology.</td>
<td>1-99</td>
<td>instructor's consent, departmental consent for repetition</td>
</tr>
<tr>
<td>PSYCH 9360</td>
<td>Seminar in Social Psychology</td>
<td>Intensive review of concepts and theories of social psychology; emphasizes readings from primary sources. Ph.D. candidates only. Required for all Ph.D. candidates in social psychology program. Graded on S/U basis only.</td>
<td>1</td>
<td>instructor's consent</td>
</tr>
<tr>
<td>PSYCH 9440</td>
<td>Studies in Developmental Psychology</td>
<td>Covers contemporary research and professional topics in developmental psychology. Graded on S/U basis only.</td>
<td>1-99</td>
<td>instructor's consent</td>
</tr>
<tr>
<td>PSYCH 9460</td>
<td>Studies in Evolution and Behavior</td>
<td>Reading and discussion of classic and contemporary works in evolution.</td>
<td>1</td>
<td>instructor's consent</td>
</tr>
<tr>
<td>PSYCH 9470</td>
<td>Women's Professional Development</td>
<td>This class takes a lifespan developmental perspective in regards to understanding challenges in women's professional development. Topics include: perceptions and stereotypes of successful women, division of labor in families (housework versus paid work), motherhood and the workplace, social policies for working parents, girls' and boys' interests in STEM professions, and gender and workplace economics (starting salaries, negotiation, the gender pay gap). Graded on A-F basis only.</td>
<td>3</td>
<td>Instructor Consent Required</td>
</tr>
<tr>
<td>PSYCH 9510</td>
<td>Studies in Clinical Psychology</td>
<td>Contemporary research and theory for advanced graduate students in clinical psychology. Graded on S/U basis only.</td>
<td>1-99</td>
<td>instructor's consent, departmental consent for repetition</td>
</tr>
</tbody>
</table>
**PSYCH 9515: Orientations in Psychotherapy**
The introductory psychotherapy course for students in the clinical psychology doctoral program. The focus of the course is on development of knowledge and skills in the following four areas: (1) Theory and practice of contemporary (brief) psychotherapy; (2) Basic interviewing skills; (3) Psychotherapy research and empirically supported treatments; and (4) The role and impact of managed care in contemporary psychotherapy.

**Credit Hours:** 3  
**Prerequisites:** instructor's consent

**PSYCH 9520: Psychometrics**
Introduction to concepts and issues essential to psychological assessment including psychometrics, test construction, controversies in psychological testing, behavioral assessment, and structured interviewing.

**Credit Hours:** 3  
**Prerequisites:** instructor's consent

**PSYCH 9525: Orientations to Clinical Assessment**
Topics include psychometric principles, intelligence testing, objective and projective personality testing and behavioral assessment.

**Credit Hours:** 3  
**Prerequisites:** PSYCH 9520 and instructor's consent

**PSYCH 9530: Clinical Child Assessment**
Introduction to clinical instruments, techniques and problems in the psychological assessment of children.

**Credit Hours:** 3  
**Prerequisites:** instructor's consent

**PSYCH 9540: Ethical and Professional Issues II**
Legal issues, state and national codes, ethical decision-making, dangerousness, ethical clinical treatment issues, mandated reporting, and ethics in specialized clinical settings. This course is the second in a sequence for clinical psychology doctoral students.

**Credit Hours:** 3  
**Prerequisites:** instructor's consent

**PSYCH 9545: Clinical Practicum**
Intensive supervised training in use and interpretation of psychological techniques and in psychotherapy. Graded on S/U basis only.

**Credit Hour:** 1-99  
**Prerequisites:** instructor's consent and professional liability insurance

**PSYCH 9550: Clinical Intervention with Children**
Introduction to theory, research and practice in the area of behavior change with children and adolescents.

**Credit Hours:** 3  
**Prerequisites:** instructor's consent

**PSYCH 9560: Family and Group Process**
Theory, intervention, and research in the areas of family and group dynamics. Emphasis on family therapy approaches.

**Credit Hours:** 3  
**Prerequisites:** instructor's consent

**PSYCH 9575: Clinical Research Methods**
Focus on research design with emphasis on active critique of methodological challenges (e.g., subject selection, control groups, multimodal measures, and treatment issues), includes lecture and active review or research.

**Credit Hours:** 3  
**Prerequisites:** instructor's consent

**PSYCH 9585: Introduction to Alcohol Studies**
Intensive seminar on alcohol research primarily intended for alcohol research training fellows. Covers a range of topics of interest to psychologist, including pharmacology, research methods, genetics, diagnosis, expectancies, and treatment.

**Credit Hours:** 3  
**Prerequisites:** instructor's consent

**PSYCH 9710: Multivariate Statistics in Psychology**
Multivariate statistical methods, including multivariate analysis of variance, discriminant analysis, principal component analysis, and elements of matrix algebra, as applied to problems in psychology.

**Credit Hours:** 3  
**Prerequisites:** PSYCH 8710 and PSYCH 8720; instructor's consent

**PSYCH 9715: Multilevel Modeling**
Introduction to random coefficient multilevel modeling of clustered data. Topics include two- and three-level models, estimation techniques, computing options, model fitting issues, advanced model applications, and growth modeling.

**Credit Hours:** 3  
**Prerequisites:** instructor's consent, a graduate course in regression analysis

**PSYCH 9720: Latent Variable Models in Statistical Analysis**
Covers Matrix Algebra fundamentals, Factor Rotation, Communality Estimation techniques, High Order and Dynamic Factor Models, Path Analysis, Use of computer programs.

**Credit Hours:** 3  
**Prerequisites:** instructor's consent and PSYCH 8720

**PSYCH 9735: Psychological Process Models**
Examines mathematical and statistical models of cognition and perception. Emphasis on modeling basics such as estimation, hypothesis testing, and assessment of fit.

**Credit Hours:** 3  
**Prerequisites:** PSYCH 8710 and PSYCH 8720 or instructor's consent
PSYCH 9750: Advanced Structural Equation Modeling
Growth Mixture Models, Dynamic Factor models, and nonlinear structural models.

Credit Hours: 3
Prerequisites: PSYCH 8710 or departmental consent

PSYCH 9755: Quantitative Psychology Seminar
Quantitative Psychology Topics Seminar. Graded on S/U basis only.

Credit Hour: 1
Prerequisites: departmental consent required

PSYCH 9760: Categorical Data Analysis
This course will provide an applied introduction to the most important methods for analyzing categorical data. Topics include: logistic regression modeling Poisson regression modeling, multinomial sampling, and classic analysis of contingency tables.

Credit Hours: 3
Prerequisites: PSYCH 8710 and PSYCH 8720; instructor's consent

PSYCH 9780: Item Response Theory I
Introduction to item response theory, including classical test theory, popular item response models, model estimation, software considerations, and application. Graded on A-F basis only.

Credit Hours: 3
Corequisites: PSYCH 8710

PSYCH 9910: Teaching of Psychology Practicum
Focuses on development and enhancement of teaching skills for graduate students in psychology who are primary instructors of undergraduate psychology courses. Graded on a S/U basis only.

Credit Hour: 1-99
Prerequisites: instructor's consent

PSYCH 9920: Advanced History of Psychology
Advanced course in history of psychology designed to show how general philosophical models of mind and behavior have been linked to doctrines of mental health and pathology and to theories of social behavior.

Credit Hours: 3
Prerequisites: instructor's consent