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 undergraduates 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 after graduating with a Bachelor of Science (BS), 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

Associate Professor
Assistant Professor
J. Booker**, A. Curtis**, J. Craggs**
Assistant Research Professor
J. Bohanek
Clinical Professor
N. Presser*
Associate Clinical Professor
S. O'Neill*, E. Waller*
Assistant Clinical Professor
E. Bullett*, J. Strawhun*
Associate Teaching Professor
L. Bauer*, I. Segert*
Assistant Teaching Professor
E. Naveh-Benjamin, M. Skaggs Sheldon
Professor Emeritus
C. Borduin, L. Cooper, J. Skinner, R. 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/collegeofartsandscience/psychology/ba-psychology/)
• BS in Psychology (http://catalog.missouri.edu/collegeofartsandscience/psychology-bs-psychology/)

Graduate

• MA in Psychology (http://catalog.missouri.edu/collegeofartsandscience/psychology/ma-psychology/)
  • emphasis in Child Development and Developmental Psychology (http://catalog.missouri.edu/collegeofartsandscience/psychology/ma-psychology-emphasis-child-development-developmental-psychology/)
  • emphasis in Clinical Psychology (http://catalog.missouri.edu/collegeofartsandscience/psychology/ma-psychology-emphasis-clinical-psychology/)
  • emphasis in Cognition and Neuroscience (http://catalog.missouri.edu/collegeofartsandscience/psychology/ma-psychology-emphasis-cognition-neuroscience/)
  • emphasis in Developmental Psychology (http://catalog.missouri.edu/collegeofartsandscience/psychology/ma-psychology-emphasis-developmental-psychology/)
  • emphasis in Quantitative Psychometrics (http://catalog.missouri.edu/collegeofartsandscience/psychology/ma-psychology-emphasis-quantitative-psychometrics/)
  • emphasis in Social/Personality Psychology (http://catalog.missouri.edu/collegeofartsandscience/psychology/ma-psychology-emphasis-social-personality-psychology/)

• PhD in Psychology (http://catalog.missouri.edu/collegeofartsandscience/psychology/phd-psychology/)
  • emphasis in Child Clinical and Developmental Psychology (http://catalog.missouri.edu/collegeofartsandscience/psychology/phd-psychology-emphasis-child-clinical-developmental-psychology/)
  • emphasis in Clinical and Quantitative Psychology (http://catalog.missouri.edu/collegeofartsandscience/psychology/phd-psychology-emphasis-clinical-quantitative-psychology/)
  • emphasis in Clinical Psychology (http://catalog.missouri.edu/collegeofartsandscience/psychology/phd-psychology-emphasis-clinical-psychology/)
  • emphasis in Cognition and Neuroscience (http://catalog.missouri.edu/collegeofartsandscience/psychology/phd-psychology-emphasis-cognition-neuroscience/)
  • emphasis in Developmental Psychology (http://catalog.missouri.edu/collegeofartsandscience/psychology/phd-psychology-emphasis-developmental-psychology/)
  • emphasis in Quantitative Psychology (http://catalog.missouri.edu/collegeofartsandscience/psychology/phd-psychology-emphasis-quantitative-psychology/)
  • emphasis in Social/Personality Psychology (http://catalog.missouri.edu/collegeofartsandscience/psychology/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.

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FAX (573) -882-7710

http://psychology.missouri.edu

http://catalog.missouri.edu/collegeofartsandscience/psychology/bs-psychology/

http://catalog.missouri.edu/collegeofartsandscience/psychology/ma-psychology/

http://catalog.missouri.edu/collegeofartsandscience/psychology/phd-psychology/
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.

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 areas of developmental psychology and child-clinical psychology.

For more information on dual emphases degrees: 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

PSYCH 1000H: General Psychology - Honors

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

Credit Hours: 3

Prerequisites: Honors eligibility required

PSYCH 1003H: Topics in Psychology - Honors - 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: 1-3

Prerequisites: Honors eligibility required. This course may be restricted to Undergraduate Psychology Majors during Early Registration

PSYCH 1030: Orientation to the Psychology Major

This course is intended to help students choose the best major for themselves and to provide information on careers available to psychology majors.

Credit Hour: 1

PSYCH 2001: Topics in Psychology-General

Organized study of selected topics in psychology. Particular topic and earnable credit may vary by semester. This course may not be used toward behavioral science distribution credit. Repeatable upon consent of department.

Credit Hour: 1-99

Prerequisites: May be restricted to Undergraduate Psychology Majors during Early Registration

Recommended: PSYCH 1000

PSYCH 2003: 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: This course may be restricted to Undergraduate Psychology Majors during Early Registration

Recommended: PSYCH 1000

PSYCH 2017: World of Neuroscience


Credit Hour: 1

Recommended: PSYCH 1000

PSYCH 2110: Learning, Memory, and Cognition

Students will gain an understanding of the fundamental principles of learning, memory and cognition, and will be able to recognize important historical figures and their contributions. Students will also learn how the principles can be applied to their everyday lives.

Credit Hours: 3

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

Recommended: PSYCH 1000
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
<th>Credit Hours</th>
<th>Prerequisites</th>
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</thead>
<tbody>
<tr>
<td>PSYCH 2210</td>
<td>Mind, Brain, and Behavior</td>
<td>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.</td>
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<td><strong>Prerequisites:</strong> This course may be restricted to Undergraduate Psychology Majors during Early Registration.</td>
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<td><strong>Recommended:</strong> PSYCH 1000</td>
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<tr>
<td>PSYCH 2220</td>
<td>Drugs and Behavior</td>
<td>Basic principles of drug action on the nervous system; the effects of important psychoactive drugs; drug use and society.</td>
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<td><strong>Prerequisites:</strong> This course may be restricted to Undergraduate Psychology Majors during Early Registration.</td>
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<td><strong>Recommended:</strong> PSYCH 1000</td>
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<tr>
<td>PSYCH 2310</td>
<td>Social Psychology</td>
<td>An introduction to how people’s thoughts, feelings and behaviors are influenced by the actual or imagined thoughts, feelings and behaviors of others.</td>
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<td><strong>Prerequisites:</strong> This course may be restricted to Undergraduate Psychology Majors during Early Registration.</td>
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<td><strong>Recommended:</strong> PSYCH 1000</td>
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<tr>
<td>PSYCH 2311</td>
<td>The Art and Science of Living</td>
<td>(same as ENGLSH 2311). This course provides them with a combination of knowledge, tools, inspiration, and space for reflection. This course exposes students to the ways in which the most essential topics of their everyday lives (i.e. happiness, intimacy, money, despair) have long been taken up by scientists and artists alike. Graded on A-F basis only.</td>
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<td><strong>Recommended:</strong> PSYCH 1000</td>
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<tr>
<td>PSYCH 2320</td>
<td>Introduction to Personality</td>
<td>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.</td>
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<td></td>
<td><strong>Prerequisites:</strong> This course may be restricted to undergraduate psychology majors during Early Registration.</td>
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<td><strong>Recommended:</strong> PSYCH 1000, ENGLISH 1000</td>
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<tr>
<td>PSYCH 2410</td>
<td>Developmental Psychology</td>
<td>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.</td>
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<td><strong>Prerequisites:</strong> This course may be restricted to Undergraduate Psychology Majors during Early Registration.</td>
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<td><strong>Recommended:</strong> PSYCH 1000</td>
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<tr>
<td>PSYCH 2410H</td>
<td>Developmental Psychology - Honors</td>
<td>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.</td>
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<td><strong>Prerequisites:</strong> Honors eligibility required. This course may be restricted to Undergraduate Psychology Majors during Early Registration.</td>
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<td><strong>Recommended:</strong> PSYCH 1000</td>
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<tr>
<td>PSYCH 2510</td>
<td>Survey of Abnormal Psychology</td>
<td>Basic survey of maladaptive human behavior and experience, including personality disorders, alcohol and drug abuse, anxiety and mood disorders, sexual dysfunctions, and thought disorders.</td>
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<td><strong>Recommended:</strong> PSYCH 1000</td>
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<tr>
<td>PSYCH 2511</td>
<td>Military and Veterans Psychology</td>
<td>This course will cover how the specialty of military psychology was historically established and evolved, and how it is distinguished from other branches of psychology. Graded on A-F basis only.</td>
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<td><strong>Recommended:</strong> PSYCH 1000</td>
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<tr>
<td>PSYCH 2520</td>
<td>Introduction to Addiction Science</td>
<td>This class provides an overview of the scientific study of addiction, focusing on a range of theoretical models and their implications for prevention, intervention and treatment. Graded on A-F basis only.</td>
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<td><strong>Recommended:</strong> PSYCH 1000</td>
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<tr>
<td>PSYCH 2810</td>
<td>Human Sexuality</td>
<td>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.</td>
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<td><strong>Recommended:</strong> PSYCH 1000</td>
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<tr>
<td>PSYCH 2820</td>
<td>Minds, Brains, and Machines</td>
<td>(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.</td>
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<td><strong>Prerequisites:</strong> This course may be restricted to Undergraduate Psychology Majors during Early Registration.</td>
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<td><strong>Recommended:</strong> PSYCH 1000</td>
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</table>
Credit Hours: 3
Prerequisites: sophomore standing required. May be restricted to Undergraduate Psychology Majors during Early Registration
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
Prerequisites: May be restricted to Undergraduate Psychology Majors during Early Registration
Recommended: PSYCH 1000

PSYCH 2950: 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
Prerequisites: instructor's consent
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 - Honors
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. Honors eligibility required
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 3110: Theories of Learning
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 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 3130: Decisions, Values and Choice
Survey of factors influencing choices and decisions. Topics include cause and effect decisions, values and ethical considerations, outcome likelihood, biases and heuristics, concept formation, self-control and impulsiveness, and social factors.
Credit Hours: 3
Prerequisites: PSYCH 1000. This course may be restricted to Undergraduate Psychology Majors during Early Registration

PSYCH 3130H: Decisions, Values and Choice - Honors
Survey of factors influencing choices and decisions. Topics include cause and effect decisions, values and ethical considerations, outcome likelihood, biases and heuristics, concept formation, self-control and impulsiveness, and social factors. Honors eligibility required.
Credit Hours: 3
Prerequisites: PSYCH 1000. Honors eligibility required. This course may be restricted to Undergraduate Psychology Majors during Early Registration

PSYCH 3130HW: Decisions, Values and Choice - Honors/Writing Intensive
Survey of factors influencing choices and decisions. Topics include cause and effect decisions, values and ethical considerations, outcome likelihood, biases and heuristics, concept formation, self-control and impulsiveness, and social factors.
Credit Hours: 3
**Prerequisites:** PSYCH 1000. Honors eligibility required. This course may be restricted to Undergraduate Psychology Majors during Early Registration

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**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

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**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

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**PSYCH 3160: Perception and Thought**  
Covers research on various aspects of mental life: language, problem-solving, decision-making, sensory perception.  

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

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**PSYCH 3170: 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

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**PSYCH 3310: Intergroup Relations**  
A survey of 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

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**PSYCH 3320: 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
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.

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**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 through early registration.

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**PSYCH 3451: Psychology of Gender**  
This course covers the psychology of gender, with a focus on similarities and differences between women and men.

**Credit Hours:** 3  
**Prerequisites:** PSYCH 1000 with a grade of C- or better.

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**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.

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**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.

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**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

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**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. This course may be restricted to Undergraduate Psychology Majors during Early Registration.

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**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

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**PSYCH 3825H: Psychology at the Movies - Honors**  
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. Graded on A-F basis only.

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

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**PSYCH 3830: Health Psychology**  
A hands-on approach to the study of health psychology including research on a topic of current relevance to the field.

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

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**PSYCH 3840: Individual Differences**  
Surveys individual and group differences. Contributions of various factors to variations in behavior.

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

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**PSYCH 3860: Law and Psychological Science**  
This survey course examines the interactions of law and psychology across the justice system. Emphasis is placed on how psychological research does (and does not) inform important legal issues. Requirements may include an in-class team debate of relevant controversy in law.

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

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**PSYCH 3861: Forensic Psychology**  
This course provides a comprehensive introduction to forensic psychology. Students will learn how psychological concepts, theories, and research findings are applied in law enforcement, court, and in correctional settings.

**Credit Hours:** 3  
**Prerequisites:** PSYCH 1000. This course may be restricted to Undergraduate Psychology Majors during Early Registration.
PSYCH 3870: Sleep and Sleep Disorders
This course provides a critical review of the current research on both normal sleep and sleep disorders.

Credit Hours: 3

PSYCH 3880: African-American Psychology
(Same as BL_STU 3100 and ESC_PS 3100). The research, theories and paradigms developed to understand the attitudes, behaviors and psychosocial realities of African-Americans are discussed. 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 4001: Topics in Psychology-General
Organized study of selected topics in psychology. Particular topic and earnable credit may vary by semester. This course may not be used toward behavioral science distribution credit. Repeatable upon consent of department. Enrollment limited to students who have completed PSYCH 1000.

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

PSYCH 4003: 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 4003W: 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: 1-6
Prerequisites: PSYCH 1000. This course may be restricted to Undergraduate Psychology Majors during Early Registration

PSYCH 4010H: Topics in Psychology Capstone - Honors
Students review, evaluate and conduct research on selected topics in psychology. The particular topic will vary by semester and instructor. 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: Instructor's consent required, honors eligibility required

PSYCH 4010H: Topics in Psychology Capstone - Honors/ Writing Intensive
Students review, evaluate and conduct research on selected topics in psychology. The particular topic will vary by semester and instructor. 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: Instructor's consent required

PSYCH 4010W: Topics in Psychology Capstone - Writing Intensive
Students review, evaluate and conduct research on selected topics in psychology. The particular topic will vary by semester and instructor. 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: Instructor's consent required

PSYCH 4110: Perception
(cross-leveled with PSYCH 7110). Data and contemporary theories of perception in all of the senses, with emphasis on visual and auditory perception.

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

PSYCH 4210: Physiological Psychology
An introduction to neuroscience with an overview of the relation between the brain and behavior. Topics include intercellular communication, drugs 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

PSYCH 4240: Cognitive Neuroscience
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 4441: Psychology of Youths' Close Relationships**
This course will provide an examination of the close, interpersonal relationships humans typically encounter and create over the first two and a half decades of life and the ways in which they influence youth development and well-being. It will examine the ways in which relationships with parents, siblings, friends, and romantic partners develop and change from infancy through young adulthood, including theoretical perspectives, research methods, relationship forms and processes, and contextual influences on relationships. Graded on A-F basis only.

**Credit Hours:** 3  
**Prerequisites:** PSYCH 1000. This course may be restricted to Undergraduate Psychology Majors during Early Registration  
**Recommended:** PSYCH 2410 and PSYCH 3430

**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  
**Recommended:** Grade of C or better in PSYCH 3010 and STAT 1200 or higher

**PSYCH 4530: Research in Psychopathology**
Intensive survey and evaluation of the psychological literature on abnormal behavior, emphasizes experimental and explanatory approaches.

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

**PSYCH 4540: Emotional Disorders in Childhood and Adolescence**
Surveys disturbed behavioral development during childhood and adolescence, emphasizing factors that produce deviation from normal developmental patterns.

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

**Prerequisites:** PSYCH 1000. This course may be restricted to Undergraduate Psychology Majors during Early Registration  
**Recommended:** PSYCH 2410

**PSYCH 4560: Schizophrenia**
This course will examine one of the most severe, debilitating, and complex mental disorders. We will review the major symptoms and clinical features of schizophrenia, explore possible causes of Psychology disorder, and critically assess treatments for the disorder.

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

**PSYCH 4561: Psychosis and the Brain**
The goal of this course is to better understand the nature of psychosis that occurs in psychotic disorders such as Schizophrenia and in many other disorders/conditions. The course will take a translational approach to understanding psychosis, focusing on neural mechanisms and their role in behavior. The nature of psychotic symptoms in psychotic disorders, in non-psychotic disorders and in the general population will be examined. Graded on A-F basis only.

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

**PSYCH 4570: Pediatric Neuropsychology**
Introduction to the field of pediatric neuropsychology and the study of individuals with early brain dysfunction. Common central nervous system disorders of childhood (e.g. autism, ADHD, epilepsy) will be discussed.

**Credit Hours:** 3  
**Prerequisites:** This course may be restricted to Undergraduate Psychology Majors during Early Registration  
**Recommended:** PSYCH 1000, PSYCH 2210 or PSYCH 4240

**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**
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
<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 4840</td>
<td>The History of Psychology</td>
<td>Historical foundations of contemporary psychology.</td>
<td>3</td>
<td>PSYCH 1000</td>
</tr>
<tr>
<td>PSYCH 4940</td>
<td>Internship in Psychology</td>
<td>Work experience in an organization that is relevant to the psychology major.</td>
<td>3-6</td>
<td>Instructor's consent</td>
</tr>
<tr>
<td>PSYCH 4940W</td>
<td>Internship in Psychology - Writing Intensive</td>
<td>Work experience in an organization that is relevant to the psychology major.</td>
<td>3-6</td>
<td>Instructor's consent</td>
</tr>
<tr>
<td>PSYCH 4950</td>
<td>Special Problems in Psychology</td>
<td>Independent investigation leading to a project or paper. Repeatable upon consent of department.</td>
<td>1-99</td>
<td>instructor's consent</td>
</tr>
<tr>
<td>PSYCH 4960</td>
<td>Special Readings in Psychology</td>
<td>Independent readings selected in consultation with supervisory faculty member. Repeatable upon consent of department.</td>
<td>1-99</td>
<td>instructor's consent</td>
</tr>
<tr>
<td>PSYCH 4971</td>
<td>Developmental Psychology Capstone</td>
<td>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.</td>
<td>3</td>
<td>grade of C better in PSYCH 3020. Consent required</td>
</tr>
<tr>
<td>PSYCH 4971W</td>
<td>Developmental Psychology Capstone - Writing Intensive</td>
<td>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.</td>
<td>3</td>
<td>Consent required</td>
</tr>
<tr>
<td>PSYCH 4972</td>
<td>Animal Learning Capstone</td>
<td>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.</td>
<td>3</td>
<td>Department consent required</td>
</tr>
<tr>
<td>PSYCH 4972W</td>
<td>Animal Learning Capstone - Writing Intensive</td>
<td>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.</td>
<td>3</td>
<td>consent required</td>
</tr>
<tr>
<td>PSYCH 4973</td>
<td>Human Cognition Capstone</td>
<td>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.</td>
<td>3</td>
<td>Department consent required</td>
</tr>
<tr>
<td>PSYCH 4973W</td>
<td>Human Cognition Capstone - Writing Intensive</td>
<td>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.</td>
<td>3</td>
<td>consent required</td>
</tr>
<tr>
<td>PSYCH 4974</td>
<td>Psychology of Art Capstone</td>
<td>Students will examine how the psychological processes of sensation and perception influence the experience of beauty - music, cuisine, movies, dance and other artistic endeavors.</td>
<td>3</td>
<td>Consent required</td>
</tr>
<tr>
<td>PSYCH 4975</td>
<td>Social/Personality Capstone</td>
<td>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.</td>
<td>3</td>
<td>Consent required</td>
</tr>
<tr>
<td>PSYCH 4975W</td>
<td>Social/Personality Capstone - Writing Intensive</td>
<td>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.</td>
<td>3</td>
<td>Consent required</td>
</tr>
</tbody>
</table>
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 I - 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 4977H: Honors Research Capstone II
Continuation of PSYCH 4976H. 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 4976H.

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. Honors Eligibility Required

PSYCH 4977W: Independent Research Capstone II - Writing Intensive
Continuation of PSYCH 4976W. 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 4976W.

Credit Hours: 3
Prerequisites: Consent required

PSYCH 4979: Judgement and Decision Making Capstone
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 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
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: Department 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: Department 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 4983: 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: Department 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: Department consent required

PSYCH 4984: 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 4986: Perception and Action Capstone
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.

Credit Hours: 3
Prerequisites: Departmental 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.

Credit Hours: 3
Prerequisites: Departmental consent required

PSYCH 4987: Cross-Cultural Psychology Capstone
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.

**Credit Hours:** 3  
**Prerequisites:** departmental consent

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**PSYCH 4987H: Cross-Cultural Psychology Capstone - Honors**  
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.

**Credit Hours:** 3  
**Prerequisites:** departmental consent

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**PSYCH 4987W: Cross-Cultural Psychology Capstone - Writing Intensive**  
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.

**Credit Hours:** 3  
**Prerequisites:** departmental consent

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**PSYCH 4988: Medical Decision Making Capstone**  
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.

**Credit Hours:** 3  
**Prerequisites:** Department Consent

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**PSYCH 4988W: Medical Decision Making Capstone - Writing Intensive**  
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.

**Credit Hours:** 3  
**Prerequisites:** Department Consent

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**PSYCH 4989W: The Science of Intergroup Relations Capstone - Writing Intensive**  
This course focuses on research methods and scientific findings relevant to intergroup relations, including racism, sexism, stereotyping, discrimination and other related topics. Graded on A-F basis only.

**Credit Hours:** 3  
**Prerequisites:** Department Consent Required. Grade of C better in PSYCH 3020. This course is restricted to psychology majors with senior standing

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**PSYCH 4990W: Pain and the Brain Capstone - Writing Intensive**  
Students taking this course will conduct empirical research on psychological and behavioral factors that are associated with the various aspects of pain. Graded on A-F basis only.

**Credit Hours:** 3  
**Prerequisites:** Department Consent Required. Grade of C better in PSYCH 3020. This course is restricted to psychology majors with senior standing

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**PSYCH 7085: Problems in Psychology**  
Advanced studies to meet needs of individual student. Graded on S/U basis only.

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

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**PSYCH 7110: Perception**  
(cross-leveled with PSYCH 4110). Data and contemporary theories of perception in all of the senses, with emphasis on visual and auditory perception.

**Credit Hours:** 3

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

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

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**PSYCH 7840: The History of Psychology**  
(cross-leveled with PSYCH 4840). Historical foundations of contemporary psychology.

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

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**PSYCH 8050: Research in Psychology - Non-Thesis**  
Research in psychology not leading to thesis. Graded on S/U basis only.

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

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**PSYCH 8085: Problems in Psychology**  
Advanced studies to meet needs of individual student. Graded on S/U basis only.

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

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**PSYCH 8090: Research in Psychology - Thesis**  
Research in psychology leading to thesis. Graded on S/U basis only.

**Credit Hour:** 1-99  
**Prerequisites:** instructor's consent
PSYCH 8110: Cognitive Psychology
Focuses on basic research on human perception, memory, attention, language, and thought.
Credit Hours: 3
Prerequisites: instructor's consent

PSYCH 8210: Functional Neuroscience
Basic techniques, data and theory in the neurosciences applied to the study of psychopathology, psychopharmacology, neural development, brain damage, memory and other areas of "behavior."
Credit Hours: 3
Prerequisites: instructor's consent

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
Prerequisites: instructor's consent

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 8610: Motivation
Survey of historical and contemporary theories and models of human motivation. Major emphasis on different levels of motivational analysis.

PSYCH 8620: Personality Psychology
Graduate-level introduction to the field of personality psychology, including readings and discussion of both classic and contemporary works.
Credit Hours: 3
Prerequisites: instructor's consent

PSYCH 8710: 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 8720: 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 8730: 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

PSYCH 9110: Studies in Experimental Psychology
Critical consideration of selected research in neuroscience and cognitive psychology.

Credit Hours: 3
Prerequisites: PSYCH 4972 or PSYCH 4973; departmental consent for repetition; instructor's consent

PSYCH 9120: Studies in Physiological Psychology
Weekly seminars given by local and regional cognitive psychologists and cognitive neuroscientists. Graded on S/U basis only.

Credit Hour: 1
Prerequisites: PSYCH 7210, departmental consent for repetition, and instructor's consent

PSYCH 9140: Conditioning and Learning: Theory and Application
Basic principles of operant and Pavlovian learning, motivation, extinction, inhibition, avoidance, etc., and their application to human behavior and its modification.

Credit Hours: 3
Prerequisites: instructor's consent

PSYCH 9150: Human Learning and Memory
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.

Credit Hours: 3
Prerequisites: instructor's consent

PSYCH 9160: Psychopharmacology
Basic principles of drug action on the nervous system, the theory and clinical use of the various psychotherapeutic drugs, drug abuse and its treatment.

Credit Hours: 3
Prerequisites: instructor's consent

PSYCH 9220: Clinical Neuropsychology Seminar
In this course students will analyze published cases in the neuropsychology literature. By studying how behavioral and mental processes break down, the supposition is that one can infer how intact processes must have been constructed, and how a brain supports them.

Credit Hours: 3
Prerequisites: Instructor's consent

PSYCH 9230: Seminar on fMRI
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.

Credit Hours: 3
Prerequisites: instructor's consent

PSYCH 9240: Advanced Neural Systems
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 "bottom-up" 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.

Credit Hours: 3
Prerequisites: instructor's consent

PSYCH 9250: Social Psychology Seminar
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.

Credit Hours: 3
Prerequisites: instructor's consent

PSYCH 9310: Theories of Social Psychology
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.

Credit Hours: 3
Prerequisites: instructor's consent

PSYCH 9320: Social Psychology Methodology
Advanced study of experimental methods in social psychological research.

Credit Hours: 3
Prerequisites: instructor's consent

PSYCH 9330: Field Research Methods
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.

Credit Hours: 3
Prerequisites: instructor's consent

PSYCH 9350: Studies in Social Psychology
Critical coverage of selected research and theory in social psychology.

Credit Hour: 1-99
Prerequisites: instructor's consent, departmental consent for repetition

PSYCH 9360: Seminar in Social Psychology
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.

Credit Hour: 1
Prerequisites: instructor's consent
PSYCH 9365: Positive Psychology
This seminar will discuss and critique modern research in positive psychology. Each chapter of the textbook provides overviews of positive psychology research topics at various levels of analysis, while providing suggestions for further research. Graded on A-F basis only.

Credit Hours: 3

PSYCH 9440: Studies in Developmental Psychology
Covers contemporary research and professional topics in developmental psychology. Graded on S/U basis only.

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

PSYCH 9460: Studies in Evolution and Behavior
Reading and discussion of classic and contemporary works in evolution.

Credit Hour: 1
Prerequisites: instructor's consent

PSYCH 9470: 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 work place, 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: Instructor Consent Required

PSYCH 9510: Studies in Clinical Psychology
Contemporary research and theory for advanced graduate students in clinical psychology. Graded on S/U basis only.

Credit Hour: 1-99
Prerequisites: instructor's consent, departmental consent for repetition

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: 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 9765: Cluster Analysis and Network Analysis
The course covers traditional and modern clustering techniques (hierarchical, partitioning, and mixture modeling), both from an algorithmic and modeling perspective. Several types of data types are explored, including traditional two-mode data sets and network structures.