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# Psychology

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Dr. Debora Bell  
College of Arts and Science  
210 McAlester Hall  
(573) 882-6860  
<https://psychology.missouri.edu>

The faculty and staff of the Department of Psychological Sciences are committed to providing students with a high quality, broadly-based, scientifically-grounded, and inclusive undergraduate and graduate education. Understanding that undergraduate students use the psychology major as preparation for a variety of careers in health, education, scientific research, business and industry, the department offers a wide range of courses and professional development opportunities. While some undergraduates are interested in pursuing psychology-related interests in graduate school, most are interested in pursuing careers immediately after graduation. Undergraduate opportunities help prepare students for both post-graduation paths through coursework, service and applied learning, and mentored research opportunities. For graduate students, our department follows a student-focused, mentorship-based model for training in psychological science. The major emphasis of our graduate program is preparing students for careers that involve conducting, disseminating, and applying research. Graduate students gain strong training in statistics, methodology, and scientific writing, as well as specialized training in their area of emphasis. Regardless of an undergraduate or graduate 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 Bachelor of Arts (BA) degrees in Psychological Sciences (on-campus) and Psychology (online) and a Bachelor of Science (BS) degree (on-campus) in Psychological Sciences. A minor in Psychological Sciences is offered as well as undergraduate certificates in Neuroscience and Addiction Studies. The Master of Arts (MA) and doctorate (PhD) degrees have emphasis in Clinical Psychology, Cognition & Neuroscience, Developmental Psychology, Quantitative Psychology, and Social & Personality Psychology. A graduate minor in Psychological Statistics and Methods and a graduate certificate in Lifespan Development are offered.

## Faculty

**Professor** J. Arndt\*\*, D. Bell\*\*, D. Beversdorf\*\*, N. Campione-Barr\*\*, N. Cowan\*\*, C. Davis-Stober\*\*, B. Froeliger, D. Geary\*\*, J. Kerns\*\*, L. King\*\*, Y. Luo\*\*, D. McCarthy\*\*, E. Merkle\*\*, M. Naveh-Benjamin\*\*, A. Rose\*\*, T. Schachtman\*\*, V. Shaffer\*\*, K. Sheldon\*\*, K. Sher\*\*, D. Steinley\*\*, T. Trull\*\*, P. Wood\*\*

**Associate Professor** S. Christ\*\*, N. Gaspelin, I. Gizer\*\*, A. Groh\*\*, S. Hackley\*\*, K. Hawley\*\*, J. Johnson\*\*, D. Miller\*\*, M. Will\*\*

**Assistant Professor** D. Bernard\*\*, J. Booker\*\*, R. Cofresi, K. Dugan, E. Hennes\*\*, S. Lane\*\*, S. Portis

**Assistant Research Professor** A. Helle

**Associate Clinical Professor** S. O'Neill\*, E. Waller\*

**Assistant Clinical Professor** E. Bullett\*, N. Elrod, J. Strawhun\*

**Associate Teaching Professor** L. Bauer\*, C. Ellis-Kalton

**Professor Emeritus** C. Borduin, L. Cooper, N. Presser\*, I. Segert\*, J. Skinner, R. D. Wright

## Teaching Instructor J. Bohanek

\* 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/>)

## 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.*

College of Arts and Science  
210 McAlester Hall

**Director of Graduate Studies:** Dennis K. Miller  
(millerden@missouri.edu)

## 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 <https://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.

#### **PSYCH 1000: General Psychology**

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

**Credit Hours:** 3

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#### **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

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#### **PSYCH 1003HW: Topics in Psychology - Behavioral Science - Honors/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:** 1-3

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

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#### **PSYCH 1030: Exploring Psychology Careers**

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

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#### **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

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#### **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

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**PSYCH 2017: World of Neuroscience**

(same as BIO\_SC 2017, ECE 2017, CMP\_SC 2017, BIOL\_EN 2017, BME 2017). The seminar course will introduce undergraduates to the growing area of neuroscience from the perspectives of three disciplines: engineering, biology and psychology.

**Credit Hour:** 1

**Recommended:** PSYCH 1000

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**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

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**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

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

**Recommended:** PSYCH 1000

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**PSYCH 2210H: Mind, Brain, and Behavior - Honors**

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

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

**Recommended:** PSYCH 1000

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**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

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

**Recommended:** PSYCH 1000

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**PSYCH 2220H: Drugs and Behavior - Honors**

Basic principles of drug action on the nervous system; the effects of important psychoactive drugs; drug use and society.

**Credit Hours:** 3

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

**Recommended:** PSYCH 1000

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**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

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

**Recommended:** PSYCH 1000

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**PSYCH 2310H: Social Psychology - Honors**

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

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

**Recommended:** PSYCH 1000

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**PSYCH 2311: The Art and Science of Living**

(same as ENGLISH 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.

**Credit Hours:** 3

**Recommended:** PSYCH 1000, ENGLISH 1000

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**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

**Prerequisites:** This course may be restricted to undergraduate psychology majors during Early Registration

**Recommended:** PSYCH 1000

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**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

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

**Recommended:** PSYCH 1000

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**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

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**PSYCH 2411: Stories and Selves**

Students will learn how scientific investigators have formulated research questions to examine social, cultural, and gendered influences on the development of self. Students will consider how research on the social construction of self informs related areas within developmental and lifespan psychology, and how this research is related to health and intervention issues.

**Credit Hours:** 3

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

**Recommended:** PSYCH 1000

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**PSYCH 2510: Survey of Psychopathology**

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

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

**Recommended:** PSYCH 1000

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**PSYCH 2510H: Survey of Psychopathology - Honors**

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

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

**Recommended:** PSYCH 1000

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**PSYCH 2511: Military and Veterans Psychology**

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.

**Credit Hours:** 3

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

**Recommended:** PSYCH 1000

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**PSYCH 2520: Introduction to Addiction Science**

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.

**Credit Hours:** 3

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

**Recommended:** PSYCH 1000

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**PSYCH 2810: Human Sexuality**

Survey of psychological research on sexual expression and reproductive behavior, including gender identity and sexual orientation. Emphasis on cross-cultural comparison of normative behaviors, sexual and reproductive rights, and sexual morality. Students will explore their own beliefs and values in the context of prevalent American and world norms.

**Credit Hours:** 3

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

**Recommended:** PSYCH 1000

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**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

**Prerequisites:** sophomore standing required. May be restricted to Undergraduate Psychology Majors during Early Registration

**Recommended:** PSYCH 1000

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**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.

**Credit Hours:** 3

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

**Recommended:** PSYCH 1000

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**PSYCH 2888: Exploration of Research in Psychology**

Exploration of the research process by assisting a faculty member in the development and execution of research. Course appears on transcript for zero credit and does not count toward full-time enrollment. No tuition or fees are charged. Graded on S/U basis only.

**Credit Hours:** 0

**Prerequisites:** Instructor's consent

**Recommended:** PSYCH 1000

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**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

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**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

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**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.

**Credit Hour:** 1-99

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

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**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

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**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

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**PSYCH 3010H: Research Methods in Psychology I- Honors**

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; Honors eligibility required. This course is restricted to psychology majors with sophomore standing and above

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**PSYCH 3020: Research Methods in Psychology II**

Continuation of PSYCH 3010 and required for all further labs in psychology.

**Credit Hours:** 3

**Prerequisites:** 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

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**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

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**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

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**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

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**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.

**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 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 3232: Psychology of Trauma**

This course examines responses to potentially traumatic events (e.g., child abuse and neglect, physical and sexual assault, intimate partner violence, community and gun violence, war, natural disasters). Trauma exposure, posttraumatic growth, the development of trauma-related difficulties including PTSD, assessment and intervention are examined with attention to gender, cultural and lifespan issues.

**Credit Hours:** 3

**Prerequisites:** PSYCH 1000

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**PSYCH 3280: Psychology of Death and Dying**

An exploration of end-of-life issues integrating the scholarly, social, and individual dimensions of death and dying. This course provides a solid grounding in theory and research, as well as practical application to students' lives.

**Credit Hours:** 3

**Prerequisites:** PSYCH 1000

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**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

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**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

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### **PSYCH 3351: Positive Motivation**

Examination of motivation through the study of Self-Determination, Self-Concordance and Goal Systems, as well as Attribution and Achievement goal theories from a theoretical and applied perspective.

**Credit Hours:** 3

**Prerequisites:** PSYCH 1000. This course may be restricted to Undergraduate Psychology Majors during early registration

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### **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.

**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

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### **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.

**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

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### **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

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### **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

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### **PSYCH 3430H: Social Development in Childhood - Honors**

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

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### **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

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### **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 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).

**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 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).

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

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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 3511: Emotion Regulation and the Brain**

This course takes a ground-up approach to understand the nature of emotion regulation and dysregulation. It describes the nature of commonly used emotion regulation techniques and the evidence that supports them. Major emotion regulation mechanisms involved in emotional disorders and in their treatment are examined.

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

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

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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.

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

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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

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**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

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**PSYCH 3880: African American Psychology**

(same as BL\_STU 3100, ESC\_PS 3100). The course focuses on understanding the attitudes, behaviors and psychosocial realities of African Americans. It explores social inequalities experienced by African Americans and examines psychological science from the African American perspective.

**Credit Hours:** 3

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

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**PSYCH 3890: Music and the Mind**

(same as SLHS 3890). This course examines music as a universal human behavior, with an emphasis on the perceptual, cognitive and neural processes that underlie it, and their origins in evolution and development.

**Credit Hours:** 3

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

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**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.

**Credit Hour:** 1-12

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

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**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

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**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

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**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.

**Credit Hours:** 3

**Prerequisites:** Department Consent required, honors eligibility required; Enrollment limited to psychology majors with senior standing who have a grade of C- or better in PSYCH 3020

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**PSYCH 4010HW: 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.

**Credit Hours:** 3

**Prerequisites:** Department Consent required, honors eligibility required

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**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.

**Credit Hours:** 3

**Prerequisites:** Department Consent required. Enrollment limited to psychology majors with senior standing who have a grade of C- or better in PSYCH 3020

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**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

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**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

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**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

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**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

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**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.

**Credit Hours:** 3

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

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**PSYCH 4376: Mental Health and Aging**

This course provides a survey of theory and research in mental health issues for older populations, focusing on psychological and social aspects of mental health and functioning. The course details approaches to understanding healthy aging, along with the prevalence, etiology, assessment and treatment of psychological disorders in older adults. The course also provides an overview of health care and community-based delivery systems for behavioral health, and allows students to explore information about careers in aging.

**Credit Hours:** 3

**Prerequisites:** PSYCH 1000

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**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

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**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.

**Credit Hours:** 3

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

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**PSYCH 4442: Language and Development in Infancy**

(same as SLHS 4840; cross-leveled with SLHS 7840, PSYCH 7442). Overview of theory and research on the foundations and development of language in infancy (0 to 2 years), with an emphasis on relevant, interrelated areas of development, individual differences, early recognition of delay, and assessment.

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**Credit Hours:** 3

**Prerequisites:** PSYCH 1000. This course may be restricted to Undergraduate Psychology Majors during Early Registration. Instructor Consent. Senior Standing Required

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**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

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**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

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

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**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

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**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.

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**Credit Hours:** 3

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

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**PSYCH 4563: Behavioral and Technology Addictions**

The inclusion of Gambling Disorder as the first recognized behavioral addiction in the DSM-5 and has brought renewed attention to the broader spectrum of other behavioral compulsions. This online course provides a conceptualization of behavioral addictions and a brief overview of the varied forms of addictive behaviors and treatments, including gambling, online gaming, food addiction, pornography addiction, sex addiction, compulsive shopping, internet addiction and a variety of impulse control disorders, among others. Attention is given to the relationship between behavioral addictions and substance addictions across a number of domains, including their natural history, phenomenology, comorbidity, genetic predisposition, neurobiological mechanisms, and response to treatment. Developments in the conceptualization, prevention, and intervention are addressed, as well, in relation to the rapidly evolving field of behavioral addictions. Graded on A-F basis only.

**Credit Hours:** 3

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

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**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:** PSYCH 1000. This course may be restricted to Undergraduate Psychology Majors during Early Registration  
**Recommended:** PSYCH 2210 or PSYCH 4240

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**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.

**Credit Hours:** 3

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

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

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**PSYCH 4840: The History of Psychology**

(cross-leveled with PSYCH 7840). Historical foundations of contemporary psychology.

**Credit Hours:** 3

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

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**PSYCH 4887: Experiential Learning in Psychology**

An introductory off-campus learning experience combining observation, application, and reflection in a psychology-related field. Course appears on transcript for zero credit and does not count toward full-time enrollment. No tuition or fees are charged. Graded on S/U basis only.

**Credit Hours:** 0

**Prerequisites:** Instructor's consent required  
**Recommended:** PSYCH 1000

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**PSYCH 4888: Exploration of Research in Psychology**

Exploration of independent research while under the mentorship of a faculty member. Course appears on transcript for zero credit and does not count toward full-time enrollment. No tuition or fees are charged. Graded on S/U basis only. Recommended: PSYCH 1000

**Credit Hours:** 0

**Prerequisites:** instructor's consent

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**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

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**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

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**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

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**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

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**PSYCH 4971: Developmental Psychology Capstone**

Introduces students to developmental research methods through relevant readings and by students conducting original research.

**Credit Hours:** 3

**Prerequisites:** Enrollment limited to psychology majors with senior standing who have a grade of C- or better in PSYCH 3020

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**PSYCH 4971W: Developmental Psychology Capstone - Writing Intensive**

Introduces students to developmental research methods through relevant readings and by students conducting original research.

**Credit Hours:** 3

**Prerequisites:** Enrollment limited to psychology majors with senior standing who have a grade of C- or better in PSYCH 3020. Department Consent Required

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**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.

**Credit Hours:** 3

**Prerequisites:** Enrollment limited to psychology majors with senior standing who have a grade of C- or better in PSYCH 3020

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**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.

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**Credit Hours:** 3

**Prerequisites:** Enrollment limited to psychology majors with senior standing who have a grade of C- or better in PSYCH 3020. Department Consent Required

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**PSYCH 4973: Human Cognition Capstone**

Students review, evaluate and conduct research on various aspects of human cognition.

**Credit Hours:** 3

**Prerequisites:** Enrollment limited to psychology majors with senior standing who have a grade of C- or better in PSYCH 3020

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**PSYCH 4973W: Human Cognition Capstone - Writing Intensive**

Students review, evaluate and conduct research on various aspects of human cognition.

**Credit Hours:** 3

**Prerequisites:** Enrollment limited to psychology majors with senior standing who have a grade of C- or better in PSYCH 3020. Department Consent Required

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**PSYCH 4974: Psychology of Art Capstone**

Students will examine how the psychological processes of sensation and perception influence the experience of beauty - music, cuisine, movies, dance and other artistic endeavors.

**Credit Hours:** 3

**Prerequisites:** Enrollment limited to psychology majors with senior standing who have a grade of C- or better in PSYCH 3020. Consent required

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**PSYCH 4974W: Psychology of Art Capstone - Writing Intensive**

Students will examine how the psychological processes of sensation and perception influence the experience of beauty - music, cuisine, movies, dance and other artistic endeavors.

**Credit Hours:** 3

**Prerequisites:** Enrollment limited to psychology majors with senior standing who have a grade of C- or better in PSYCH 3020. Department Consent Required

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**PSYCH 4975: Social/Personality Capstone**

Experimental methods course emphasizing research in social psychology.

**Credit Hours:** 3

**Prerequisites:** Enrollment limited to psychology majors with senior standing who have a grade of C- or better in PSYCH 3020

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**PSYCH 4975W: Social/Personality Capstone - Writing Intensive**

Experimental methods course emphasizing research in social psychology.

**Credit Hours:** 3

**Prerequisites:** Enrollment limited to psychology majors with senior standing who have a grade of C- or better in PSYCH 3020. Department Consent Required

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**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.

**Credit Hours:** 3

**Prerequisites:** Enrollment limited to psychology majors with senior standing who have a grade of C- or better in PSYCH 3010 and STAT 1200 (or its equivalent). Instructor consent required

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**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 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.

**Credit Hours:** 3

**Prerequisites:** Enrollment limited to psychology majors with senior standing who have a grade of C- or better in PSYCH 3010 and STAT 1200 (or its equivalent). Honors eligibility required. Instructor consent required

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**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.

**Credit Hours:** 3

**Prerequisites:** Enrollment limited to psychology majors with senior standing who have a grade of C- or better in PSYCH 3010 and STAT 1200 (or its equivalent). Honors eligibility required. Instructor consent required

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**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.

**Credit Hours:** 3

**Prerequisites:** Enrollment limited to psychology majors with senior standing who have a grade of C- or better in PSYCH 3010 and STAT 1200 (or its equivalent). Instructor consent required

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**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:** Enrollment limited to psychology majors with senior standing who completed PSYCH 4976 and have a grade of C- or better in PSYCH 3020. Instructor Consent Required

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**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:** Enrollment limited to psychology majors with senior standing who completed PSYCH 4976 and have a grade of C- or better in PSYCH 3020; Honors eligibility required. Instructor Consent Required

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**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:** Enrollment limited to psychology majors with senior standing, honors eligibility, a cumulative GPA of 3.5, who have completed PSYCH 4976HW. Instructor Consent required

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**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:** Enrollment limited to psychology majors with senior standing who have completed PSYCH 4976W. Instructor Consent required

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**PSYCH 4978: Clinical Psychology Capstone**

Students work at assigned agencies to gain "real-world" experience in the practice of psychology and attend regularly scheduled class meetings in order to integrate their academic knowledge with their practical experience.

**Credit Hours:** 3

**Prerequisites:** Enrollment limited to psychology majors with senior standing who have a grade of C- or better in PSYCH 3020

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**PSYCH 4978W: Clinical Psychology Capstone - Writing Intensive**

Students work at assigned agencies to gain "real-world" experience in the practice of psychology and attend regularly scheduled class meetings in order to integrate their academic knowledge with their practical experience.

**Credit Hours:** 3

**Prerequisites:** Enrollment limited to psychology majors with senior standing who have a grade of C- or better in PSYCH 3020. Department consent required

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**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:** Enrollment limited to psychology majors with senior standing who have a grade of C- or better in PSYCH 3020. Departmental consent required

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**PSYCH 4979W: Judgment and Decision Making Capstone - Writing Intensive**

This course examines the psychology of human judgment 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:** Enrollment limited to psychology majors with senior standing who have a grade of C- or better in PSYCH 3020. Department Consent Required

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**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.

**Credit Hours:** 3

**Prerequisites:** Enrollment limited to psychology majors with senior standing who have a grade of C- or better in PSYCH 3020. Departmental Consent Required

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**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.

**Credit Hours:** 3

**Prerequisites:** Enrollment limited to psychology majors with senior standing who have a grade of C- or better in PSYCH 3020. Department Consent Required

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**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.

**Credit Hours:** 3

**Prerequisites:** Enrollment limited to psychology majors with senior standing who have a grade of C- or better in PSYCH 3020. Department Consent required

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**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.

**Credit Hours:** 3

**Prerequisites:** Enrollment limited to psychology majors with senior standing who have a grade of C- or better in PSYCH 3020. Departmental Consent Required

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**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:** Enrollment limited to psychology majors with senior standing who have a grade of C- or better in PSYCH 3020. Departmental Consent Required

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**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:** Enrollment limited to psychology majors with senior standing who have a grade of C- or better in PSYCH 3020. Departmental Consent Required

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**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.

**Credit Hours:** 3

**Prerequisites:** Enrollment limited to psychology majors with senior standing who have a grade of C- or better in PSYCH 3020. Departmental Consent Required

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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.

**Credit Hours:** 3

**Prerequisites:** Enrollment limited to psychology majors with senior standing who have a grade of C- or better in PSYCH 3020; Honors eligibility required. Department consent required

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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.

**Credit Hours:** 3

**Prerequisites:** Enrollment limited to psychology majors with senior standing who have a grade of C- or better in PSYCH 3020. Departmental Consent Required

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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.

**Credit Hours:** 3

**Prerequisites:** Enrollment limited to psychology majors with senior standing who have a grade of C- or better in PSYCH 3020. Departmental Consent Required

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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.

**Credit Hours:** 3

**Prerequisites:** Enrollment limited to psychology majors with senior standing who have a grade of C- or better in PSYCH 3020. Departmental Consent Required

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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.

**Credit Hours:** 3

**Prerequisites:** Enrollment limited to psychology majors with senior standing who have a grade of C- or better in PSYCH 3020. Departmental Consent Required

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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.

**Credit Hours:** 3

**Prerequisites:** Enrollment limited to psychology majors with senior standing who have a grade of C- or better in PSYCH 3020. Departmental Consent Required

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**PSYCH 4991W: The Science of Mindfulness Capstone - Writing Intensive**

Students will gain breadth and depth in understanding the scientific empirical research on mindfulness and contemplative practices.

**Credit Hours:** 3

**Prerequisites:** Enrollment limited to psychology majors with senior standing who have a grade of C- or better in PSYCH 3020. Departmental Consent Required

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**PSYCH 7003: Topics in Psychology - Behavioral Science**

Organized study of selected topics in psychology. Particular topic and earnable credit may vary by semester. Graduate credit will be earned through additional reading and assignments.

**Credit Hour:** 1-99

**Prerequisites:** instructor's consent; departmental consent for repetition

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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 7442: Language and Development in Infancy**

(same as SLHS 7840; cross-leveled with PSYCH 4442, SLHS 4840). Overview of theory and research on the foundations and development of language in infancy (0 to 2 years), with an emphasis on relevant, interrelated areas of development, individual differences, early recognition of delay, and assessment.

**Credit Hours:** 3

**Prerequisites:** Instructor's consent

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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

**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

**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

**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.

**Credit Hours:** 3

**Prerequisites:** instructor's consent

**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

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**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

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**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

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**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:** 1-3

**Prerequisites:** Instructor consent

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**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

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**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

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**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

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**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

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**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

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**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

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**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

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**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

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**PSYCH 9210: 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

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**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

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**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

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**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 Consent Required

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**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

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**PSYCH 9320: Social Psychology Methodology**

Advanced study of experimental methods in social psychological research.

**Credit Hours:** 3

**Prerequisites:** instructor's consent

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**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

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**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

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**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

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**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

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**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

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**PSYCH 9460: Studies in Evolution and Behavior**

Reading and discussion of classic and contemporary works in evolution.

**Credit Hour:** 1

**Prerequisites:** instructor's consent

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**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

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**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

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**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

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**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

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**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

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**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

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**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

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**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

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**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

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**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

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**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

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**PSYCH 9585: Alcohol and Addiction 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

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**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

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**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

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**PSYCH 9720: Latent Variable Models in Statistical Analysis**

Covers Matrix Algebra fundamentals, Factor Rotation, Communalities Estimation techniques, High Order and Dynamic Factor Models, Path Analysis, Use of computer programs.

**Credit Hours:** 3

**Prerequisites:** instructor's consent and PSYCH 8720

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**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

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**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

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**PSYCH 9755: Quantitative Psychology Seminar**

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

**Credit Hour:** 1

**Prerequisites:** departmental consent required

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**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

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**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.

**Credit Hours:** 3

**Prerequisites:** instructor's consent required

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**PSYCH 9770: Bayesian Psychometrics**

The goal of this class is to acquaint students with Bayesian psychometric models that are popular in psychology, education, and the social sciences. Graded on A-F basis only.

**Credit Hours:** 3

**Prerequisites:** Instructor's Consent

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**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

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**PSYCH 9909: Teaching of Psychology**

Focuses on developing college teaching techniques, managing student success, fostering an inclusive teaching environment, and utilizing technology in teaching. Students will prepare to teach a college-level psychology course. Graded on S/U basis only.

**Credit Hour:** 1-99

**Prerequisites:** Departmental Consent Required

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**PSYCH 9910: Teaching of Psychology Practicum**

Focuses on the application and practice of teaching skills for graduate students in psychology who are primary instructors of undergraduate psychology courses. Graded on S/U basis only.

**Credit Hour:** 1-99

**Prerequisites:** Departmental Consent Required

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