Psychology (PSYCH)

PSYCH 1000: General Psychology
Survey of theories, principles, and methods in the study of human behavior.

Credit Hours: 3
PSYCH 1000 - MOTR PSYC 100: General Psychology

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 1003: 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: 1-3

PSYCH 1003H: Topics in Psychology - Honors - Behavioral Science
Organized study of selected topics in psychology. Particular topic and earnable credit may vary by semester. This course carries behavioral science distribution credit for non-psychology majors. Repeatable upon consent of department.

Credit Hour: 1-3
Prerequisites: Honors eligibility required. This course may be restricted to Undergraduate Psychology Majors during Early Registration

---

PSYCH 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

---

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

PSYCH 2001: Topics in Psychology-General
Organized study of selected topics in psychology. Particular topic and earnable credit may vary by semester. This course may not be used toward behavioral science distribution credit. Repeatable upon consent of department.

Credit Hour: 1-99
Prerequisites: May be restricted to Undergraduate Psychology Majors during Early Registration
Recommended: PSYCH 1000

PSYCH 2003: Topics in Psychology-Behavioral Science
Organized study of selected topics in psychology. Particular topic and earnable credit may vary by semester. This course carries behavioral science distribution credit for non-psychology majors. Repeatable upon consent of department.

Credit Hour: 1-99
Prerequisites: This course may be restricted to Undergraduate Psychology Majors during Early Registration
Recommended: PSYCH 1000

PSYCH 2017: World of Neuroscience
(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

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

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

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

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

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

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

PSYCH 2311: The Art and Science of Living
(same as ENGLSH 2311). This course provides them with a combination of knowledge, tools, inspiration, and space for reflection. This course exposes students to the ways in which the most essential topics of their everyday lives (i.e. happiness, intimacy, money, despair) have long been taken up by scientists and artists alike.

Credit Hours: 3
Recommended: PSYCH 1000, ENGLSH 1000

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

Credit Hours: 3
Prerequisites: This course may be restricted to undergraduate psychology majors during Early Registration
Recommended: PSYCH 1000

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

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

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

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

PSYCH 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

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

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

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

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

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

PSYCH 2820: Minds, Brains, and Machines: An Introduction to Philosophy of Cognitive Science
(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

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

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

PSYCH 2950: Special Problems in Psychology
Research apprenticeship with a faculty member, assisting a faculty member in the development and execution of research. May be repeated to 6 hours maximum.

Credit Hour: 1-99
Prerequisites: instructor's consent
Recommended: PSYCH 1000

PSYCH 3001: 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: PSYCH 1000

PSYCH 3003: Topics in Psychology-Behavioral Science
Organized study of selected topics in psychology. Particular topic and earnable credit may vary by semester. This course carries behavioral science distribution credit for non-psychology majors. Repeatable upon consent of department.

Credit Hour: 1-99
Prerequisites: PSYCH 1000. This course may be restricted to Undergraduate Psychology Majors during Early Registration

PSYCH 3003H: Topics in Psychology-Behavioral Science - Honors
Organized study of selected topics in psychology. Particular topic and earnable credit may vary by semester. This course carries behavioral science distribution credit for non-psychology majors. Repeatable upon consent of department.

Credit Hour: 1-99
Prerequisites: PSYCH 1000. This course may be restricted to Undergraduate Psychology Majors during Early Registration. Honors eligibility required

PSYCH 3003W: Topics in Psychology-Behavioral Science - Writing Intensive
Organized study of selected topics in psychology. Particular topic and earnable credit may vary by semester. This course carries behavioral science distribution credit for non-psychology majors. Repeatable upon consent of department.

Credit Hour: 1-99
Prerequisites: PSYCH 1000. This course may be restricted to Undergraduate Psychology Majors during Early Registration

PSYCH 3010: Research Methods in Psychology I
Introduction to scientific reasoning, assessing validity and reliability in research, and basic research methods.

Credit Hours: 3
Prerequisites or Corequisites: concurrent enrollment in STAT 1200 or a grade of C- or better in STAT 1200 (or its equivalent)
Prerequisites: PSYCH 1000. This course is restricted to psychology majors with sophomore standing and above

PSYCH 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

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

PSYCH 3020H: Research Methods in Psychology II - Honors
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. Honors eligibility required. This course is restricted to junior and senior Psychology majors

PSYCH 3110: Theories of Learning
Discusses classical issues and theories in learning and conditioning, and considers them in contemporary form.

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

PSYCH 3110W: Theories of Learning - Writing Intensive
Discusses classical issues and theories in learning and conditioning, and considers them in contemporary form.

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

PSYCH 3130: Decisions, Values and Choice
Survey of factors influencing choices and decisions. Topics include cause and effect decisions, values and ethical considerations, outcome likelihood, biases and heuristics, concept formation, self-control and impulsiveness, and social factors.

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

---

PSYCH 3130H: Decisions, Values and Choice - Honors
Survey of factors influencing choices and decisions. Topics include cause and effect decisions, values and ethical considerations, outcome likelihood, biases and heuristics, concept formation, self-control and impulsiveness, and social factors.

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

---

PSYCH 3140: Cognitive Psychology
A survey of psychological theory and research on human cognition.

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

---

PSYCH 3150: Human Memory
Surveys research on human memory, including basic laboratory studies with normal subjects as well as research on amnesia and other memory impairments, life-span memory development, and the cognitive neuroscience of memory.

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

---

PSYCH 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

---

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

---

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

---

PSYCH 3310: Intergroup Relations
Provides an overview of the social psychological literature on stereotyping, prejudice, discrimination, and intergroup relations. Students learn theoretical frameworks and research findings regarding the development and maintenance of intergroup conflict.

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

---

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

Credit Hours: 3
Prerequisites: PSYCH 1000, This course may be restricted to Undergraduate Psychology Majors during early registration

---

PSYCH 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

---

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

---

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

---

PSYCH 3420: Cognitive Development in Childhood
Theories and research on cognitive development in childhood.

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

---

PSYCH 3430: Social Development in Childhood
Overview of children's social and emotional development (infancy-adolescence), includes changes in social domains, impact of social functioning on subsequent development, and influence of interpersonal contexts (e.g., family, peers, community) on children's development.

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

---

PSYCH 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

---

PSYCH 3430W: Social Development in Childhood - Writing Intensive
Overview of children's social and emotional development (infancy-adolescence), includes changes in social domains, impact of social functioning on subsequent development, and influence of interpersonal contexts (e.g., family, peers, community) on children's development.

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

---

PSYCH 3440: Women's Professional Development
This class takes a lifespan developmental perspective in regards to understanding challenges in women's professional development. Topics include: perceptions and stereotypes of successful women, division of labor in families (housework versus paid work), motherhood and the 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

---

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

---

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

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

---

PSYCH 3510: Introduction to Clinical Psychology
Comprehensive survey of the field's historical roots, research methods, concepts of abnormality, assessment and intervention methods; also specialties that constitute clinical psychology.

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

---

PSYCH 3510W: Introduction to Clinical Psychology - Writing Intensive
Comprehensive survey of the field's historical roots, research methods, concepts of abnormality, assessment and intervention methods; also specialties that constitute clinical psychology.

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

---

PSYCH 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

---

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

---

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

---

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

---

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

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

---

PSYCH 3870: Sleep and Sleep Disorders
This course provides a critical review of the current research on both normal sleep and sleep disorders.

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

---

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

---

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

---

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

---

PSYCH 4003: Topics in Psychology-Behavioral Science
Organized study of selected topics in psychology. Particular topic and earnable credit may vary by semester. This course carries behavioral science distribution credit for non-psychology majors. Repeatable upon consent of department.

Credit Hour: 1-99
Prerequisites: PSYCH 1000. This course may be restricted to Undergraduate Psychology Majors during Early Registration

---

PSYCH 4003W: Topics in Psychology-Behavioral Science - Writing Intensive
Organized study of selected topics in psychology. Particular topic and earnable credit may vary by semester. This course carries behavioral science distribution credit for non-psychology majors. Repeatable upon consent of department.

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

---

PSYCH 4010: Topics in Psychology Capstone
Students review, evaluate and conduct research on selected topics in psychology. The particular topic will vary by semester and instructor.

Credit Hour: 1-3
Prerequisites: Department Consent required. Enrollment limited to psychology majors with senior standing who have a grade of C- or better in PSYCH 3020

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

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.

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

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

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

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

---

PSYCH 4210: Physiological Psychology
An introduction to neuroscience with an overview of the relation between the brain and behavior. Topics include intercellular communication, drugs and reward, emotions and stress psychoimmunology, psychopathology, nervous system development and repair, perception, cognition, learning and memory.

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

---

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

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

---

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

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

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

---

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

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

---

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

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

PSYCH 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.

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

---

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

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

---

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

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

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

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

---

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

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

---

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.

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

PSYCH 4564: Psychobiology of Sex and Gender
The course represents the application of psychological science to an understanding of sex and gender through a variety of lenses that range from the molecular (genetic, cellular) to more molar (social constructionism). Special emphasis is given to a psychobiological examination of sexual orientation, sexual preference, sexual variation, and the study of gender differences.

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

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

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

PSYCH 4591: Computational Neuroscience
(same as ECE 4590, BIOL_EN 4590, BME 4590, BIO_SC 4590, CMP_SC 4590; cross-leveled with BIOL_EN 7590, ECE 7590, CMP_SC 7590, PSYCH 7591, BIO_SC 7590). Interdisciplinary course in biology and quantitative sciences with modeling and virtual lab components. Explores basic computational and neurobiological concepts at the cellular and network level. Introduction to neuronal processing and experimental methods in neurobiology, modeling of neurons, and neuron-networks. Graded on A-F basis only.

Credit Hours: 3
Prerequisites: MATH 1500 or equivalent

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

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

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

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

PSYCH 4940: Internship in Psychology
Work experience in an organization that is relevant to the psychology major.

Credit Hour: 1-6
Prerequisites: PSYCH 1000. Enrollment limited to students who are in good standing and have completed 9 credit hours in psychology. Instructor's consent required. May be restricted to Undergraduate Psychology Majors during Early Registration
Recommended: Junior or senior standing

PSYCH 4940W: Internship in Psychology - Writing Intensive
Work experience in an organization that is relevant to the psychology major.

Credit Hour: 1-6
Prerequisites: PSYCH 1000. Enrollment limited to students who are in good standing and have completed 9 credit hours in psychology. Instructor's consent required. May be restricted to Undergraduate Psychology Majors during Early Registration
Recommended: Junior or senior standing

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

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

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

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

PSYCH 4971: Developmental Psychology Capstone
Introduces students to developmental research methods through relevant readings and by students conducting original research.

Credit Hours: 3
Prerequisites: Enrollment limited to psychology majors with senior standing who have a grade of C- or better in PSYCH 3020

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

---

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

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.

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

---

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

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

---

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

---

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

---

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

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

---

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

---

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

---

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

---

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

---

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

---

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

---

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

---

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

---

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

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

---

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

---

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

---

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

---

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

---

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

---

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

---

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

---

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

---

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

---

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

---

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. Department Consent Required

---

PSYCH 4992W: Applied Cognitive Psychology Capstone
Students will learn about the field of cognitive psychology, gain practice applying cognitive psychology concepts to the real-world, hone critical thinking skills by reading and critically evaluating research studies, and gain practice communicating psychological findings and the application of those findings.

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

---

PSYCH 4993W: Memory in Everyday Life Capstone - Writing Intensive
The course will review selected literature on issues related to the analysis of "everyday" or "applied" memory phenomena. Among the topics to be discussed are memory for common objects, memory for general information, and memory for materials studied in school, as well as ways to improve it.

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

---

PSYCH 7001: Topics in Psychology - General
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

---

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

---

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

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

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

PSYCH 7591: Computational Neuroscience
(same as BIO_SC 7590, BIOL_EN 7590, ECE 7590, CMP_SC 7590; cross-leveled with BIOL_EN 4590, BIO_SC 4590, BME 4590, CMP_SC 4590, ECE 4590, PSYCH 4591). Interdisciplinary course in biology and quantitative sciences with modeling and virtual lab compontents. Explores basic computational and neurobiological concepts at the cellular and network level. Introduction to neuronal processing and experimental methods in neurobiology, modeling of neurons and neuron networks. Graded on A-F basis only.

Credit Hours: 3
Prerequisites: MATH 1500 or equivalent

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

Credit Hours: 3
Prerequisites: PSYCH 1000

PSYCH 8001: Topics in Psychology-General
Organized study of selected topics in psychology. Particular topic and earnable credit may vary by semester.

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

PSYCH 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

PSYCH 8720: General Linear Models in Psychology II
Complex analysis of variance; experimental design.

Credit Hours: 4
Prerequisites: PSYCH 8710 or equivalent, concurrent enrollment in PSYCH 8730; instructor's consent

PSYCH 8730: Statistical Software Packages
Computer implementation of data management and statistical analysis. Covers elementary computer operations, data entry and quality control, and computer implementation of statistical models covered in PSYCH 8710 and PSYCH 8720.

Credit Hour: 1
Prerequisites: instructor's consent

PSYCH 8910: Responsible Conduct of Research
This course exposes students to important concepts in the responsible conduct of research.

Credit Hour: 1-3
Prerequisites: Instructor consent

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

Credit Hours: 3

PSYCH 9001: Topics in Psychology-General
Organized study of selected topics in psychology. Particular topic and earnable credit may vary by semester.

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

PSYCH 9050: Research in Psychology - Non-Dissertation
Research in Psychology not leading to dissertation. Graded on S/U basis only.

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

PSYCH 9090: Research in Psychology - Dissertation
Research in Psychology leading to dissertation. Graded on S/U basis only.

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

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

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

---

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

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

---

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

Credit Hours: 3
Prerequisites: instructor's consent

PSYCH 9150: Human Learning and Memory
Current theory and research in the area of human learning and memory will be investigated. A major component of the course will involve the critical review of existing literature in this area.

Credit Hours: 3
Prerequisites: instructor's consent

PSYCH 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

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

Credit Hours: 3
Prerequisites: Instructor's consent

PSYCH 9230: Seminar on fMRI
Fundamentals of MRI and its application to brain imaging, including experimental design, analysis and contemporary issues. During the lab component, students will use FSL and other software to analyze fMRI data and will design and implement their own fMRI experiments.

Credit Hours: 3
Prerequisites: instructor's consent

PSYCH 9240: Advanced Neural Systems
The course provides in-depth coverage of the neurophysiology, neuroanatomy, and function of the brain. Course lectures and discussions cover the brain and its systems in a "bottom-up" sequence starting with basic sensory pathways and concluding with higher cognitive functions. The course also includes hands-on laboratory sessions, which include dissection component. Graded on A-F basis only.

Credit Hours: 3
Prerequisites: Instructor Consent Required

PSYCH 9310: Theories of Social Psychology
Intensive review of classic and contemporary concepts and theories of social psychology; emphasizes readings from primary sources. PhD candidates only. Required for all PhD candidates in social psychology.

Credit Hours: 3
Prerequisites: instructor's consent

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

Credit Hours: 3
Prerequisites: instructor's consent

PSYCH 9330: Field Research Methods
Advanced course in research methods and designs commonly used in field settings; theoretical, ethical, and pragmatic issues that arise in field settings are considered; emphasis is on learning and skill acquisition through a series of hands-on assignments.

Credit Hours: 3
Prerequisites: instructor's consent

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

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

PSYCH 9360: Seminar in Social Psychology
Intensive review of concepts and theories of social psychology; emphasizes readings from primary sources. Ph.D. candidates only. Required for all Ph.D. candidates in social psychology program. Graded on S/U basis only.

Credit Hour: 1
Prerequisites: instructor's consent

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

Credit Hours: 3

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

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

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

Credit Hour: 1
Prerequisites: instructor's consent

PSYCH 9470: Women's Professional Development
This class takes a lifespan developmental perspective in regards to understanding challenges in women's professional development. Topics include: perceptions and stereotypes of successful women, division of labor in families (housework versus paid work), motherhood and the work place, social policies for working parents, girls' and boys' interests in STEM professions, and gender and workplace economics (starting salaries, negotiation, the gender pay gap). Graded on A-F basis only.

Credit Hours: 3
Prerequisites: Instructor Consent Required

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

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

PSYCH 9515: Orientations in Psychotherapy
The introductory psychotherapy course for students in the clinical psychology doctoral program. The focus of the course is on development of knowledge and skills in the following four areas: (1) Theory and practice of contemporary (brief) psychotherapy; (2) Basic interviewing skills; (3) Psychotherapy research and empirically supported treatments; and (4) The role and impact of managed care in contemporary psychotherapy.

Credit Hours: 3
Prerequisites: instructor's consent

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

Credit Hours: 3
Prerequisites: instructor's consent

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

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

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

Credit Hours: 3
Prerequisites: instructor's consent

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

Credit Hours: 3
Prerequisites: instructor's consent

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

Credit Hour: 1-99

Prerequisites: instructor's consent and professional liability insurance

---

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

Credit Hours: 3
Prerequisites: instructor's consent

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

Credit Hours: 3
Prerequisites: instructor's consent

PSYCH 9566: Multicultural Psychology
This course covers psychological models, theories and research relevant to diverse groups in the United States. The course presents a theory-based, applied-focused, and experiential approach to culturally competent practices (including research, teaching, and/or clinical work) at the individual and organizational levels. Examination of personal values and education about the interrelationship between race, class, gender, sexuality, religion, national origin and ability status are accomplished via readings, structured activities, and group discussions.

Credit Hours: 3
Prerequisites: Instructor's consent required

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

Credit Hours: 3
Prerequisites: instructor's consent

PSYCH 9585: 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

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

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

---

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

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

---

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

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

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

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

---

PSYCH 9750: Advanced Structural Equation Modeling
Growth Mixture Models, Dynamic Factor models, and nonlinear structural models.

Credit Hours: 3
Prerequisites: PSYCH 8710 or departmental consent

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

Credit Hour: 1
Prerequisites: departmental consent required

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

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

---

PSYCH 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

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

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

Credit Hours: 3
Corequisites: PSYCH 8710

PSYCH 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

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