

# Department of Psychology

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Our mission is to further our understanding of behavior and the physiological, cognitive, and social processes associated with behavior. Psychology is also the profession that applies the science of behavior to practical problems, such as clinical, psychological disorders. This mission includes the discovery and dissemination of principles pertaining to both individual and group psychological functioning and its development. In addition to doing this critical research, we expend great effort in training students at both the undergraduate and graduate levels so that these students will be well equipped with the knowledge and methods that will place them at the forefront of progress across a broad range of the psychological disciplines.

## Psychology Undergraduate Program

Students have many reasons for wanting to major in psychology. Some are simply fond of observing the behavior of others around them, fascinated with the results of their observations and curious to learn why people behave as they do. Some plan to become psychologists themselves or to enter one of the many professions where a background in psychology can be useful -- such as, business, teaching, medicine, nursing, law, social work, the ministry, counseling, student services, child development, administration, or human resources.

## Psychology Graduate Program

We offer a single doctoral degree which may be earned in one of the following concentrations: brain, behavior, and quantitative science, clinical psychology, or social psychology. Students admitted to the Psychology Graduate Program are expected to continue graduate study through the Ph.D. as the department does not admit terminal master's students.

For applicants interested in Clinical Child Psychology: The Clinical Child Psychology doctoral training program is housed within the Department of Clinical Child Psychology (<https://ccpp.ku.edu/>). Contact email [ccpp@ku.edu](mailto:ccpp@ku.edu), with any questions regarding applying to this program.

## Undergraduate Programs

Undergraduate courses are designed as part of a general education, for students preparing for careers in professional fields, and for students majoring in psychology, including those anticipating graduate work.

## Preparation for Graduate Study

Students who plan to apply for graduate work in psychology should supplement their beginning course in methodology (PSYC 200) and statistics (PSYC 210) with a laboratory course (e.g., PSYC 620, PSYC 622, or PSYC 625). Methods (PSYC 200) and Statistics (PSYC 210) should be taken as early as possible in the undergraduate education. The laboratory course should be completed during the junior or senior year.

## Graduate Program

We offer a single doctoral degree which may be earned in one of the following concentrations: brain, behavior, and quantitative science, clinical psychology, or social psychology. Students admitted to the Psychology

Graduate Program are expected to continue graduate study through the Ph.D. as the department does not admit terminal master's students.

For applicants interested in Clinical Child Psychology: The Clinical Child Psychology doctoral training program is housed within the Department of Clinical Child Psychology (<https://ccpp.ku.edu/>). Contact email [ccpp@ku.edu](mailto:ccpp@ku.edu), with any questions regarding applying to this program.

## Non-Degree Seeking

Students who are interested in enrolling in graduate level coursework in the Department of Psychology without formal admission to a graduate program at KU are encouraged to apply for graduate non-degree seeking student status. See the department's Graduate Program (<https://psychology.ku.edu/psychology-graduate-program/>) webpage for further details.

Questions regarding our graduate program can be directed to our graduate program coordinator.

## Courses

### PSYC 102. Orientation Seminar in Psychology. 1 Credits.

Provides an overview of the discipline of psychology. Emphasizes developing an understanding of opportunities in psychology at the University of Kansas, exploring service-learning options related to the major, and helping students plan goals for their education through an understanding of their personal values and options within and outside the discipline. Open to KU-degree-seeking students only. Contact the Psychology Department to enroll in the course. Non-degree-seeking and non-KU students may enroll in the course by signing up with KU Continuing Education. Graded on a satisfactory/unsatisfactory basis.

### PSYC 104. General Psychology. 3 Credits. GE3S SWT SBS

A basic introduction to the science of psychology.

### PSYC 105. General Psychology, Honors. 3 Credits. GE3S SBS

Open to students in College or Departmental Honors programs or by permission of instructor.

### PSYC 177. First Year Seminar: \_\_\_\_\_. 3 Credits. GE11 GLBC

A limited-enrollment, seminar course for first-time freshmen, organized around current issues in psychology. Course is designed to meet the critical thinking learning outcome of the KU Core. May not contribute to major requirements in psychology. First year seminar topics are coordinated and approved by the Office of Academic Programs and Experiential Learning. Prerequisite: Open to Freshmen only (less than 30 hours).

### PSYC 199. Data I: Dealing with Data. 3 Credits.

Data science is an interdisciplinary field that uses scientific methods, processes, algorithms and systems to derive knowledge and insights from data. This course teaches students the core concepts of inference and computing, working with real behavioral, economic, geographic, physical, social, and text data. Students obtain basic statistics training from a computational perspective using simulation to answer questions, explore problems, and delve into social issues surrounding data analysis such as privacy and design. (Same as ECON 199, POLS 199 and SOC 199.)

### PSYC 200. Research Methods in Psychology. 3 Credits.

An examination of the scientific "ways of knowing" employed by psychologists to discover the laws governing human behavior across a wide domain. The focus of the course is upon these methods and the statistical techniques that support them. Prerequisite: PSYC 104.

### PSYC 202. Study Abroad Topics in: \_\_\_\_\_. 1-6 Credits.

This course is designed for the study of special topics in Psychology equivalent to courses at the 100 and 200 level at KU. Coursework must be arranged through the Office of KU Study Abroad. May be repeated for credit if content varies.

**PSYC 210. Statistics in Psychological Research. 3 Credits. GE12 MTS**

An introduction to statistical concepts and methods as they relate to analysis and interpretation of psychological data. Prerequisite: PSYC 104.

**PSYC 250. Human Development. 3 Credits. SWT SBS**

This course examines the psychological, social, and physical development of humans across the lifespan from conception through infancy, childhood, adolescence, adulthood and death. The course will explore the broad array of factors that contribute to development including cognitive, emotional, social, neurological, physical, genetic, and environmental influences. (Same as ABSC 250.) Prerequisite: PSYC 104 or PSYC 105.

**PSYC 318. Cognitive Psychology. 3 Credits.**

An introduction to contemporary research and theory in human learning and memory, relevant perceptual processes, and higher functions such as language. Prerequisite: PSYC 104.

**PSYC 320. Personality. 3 Credits.**

A survey of personality theories, development, assessment and current research. Prerequisite: PSYC 104.

**PSYC 321. Personality, Honors. 3 Credits.**

Honors version of PSYC 320. Open to students in College or Departmental Honors programs or by permission of instructor. Prerequisite: PSYC 104.

**PSYC 323. Philosophy of Psychology. 3 Credits.**

The philosophy of psychology is a relatively new field of inquiry in philosophy and so the question of what the philosophy of psychology is remains an open question. In this course, we will understand the philosophy of psychology in two ways. First, it is the study of the nature of psychology and the various capacities and mechanisms that make cognition possible. We will consider whether there is a unique psychological level of explanation or whether psychology ultimately reduces to the brain. We will also explore various philosophical puzzles raised by consideration of psychological abilities like memory, attention, and emotion. Second, philosophy of psychology is a subfield of philosophy of science, where we examine a particular science—here, experimental psychology—as a way to explore broader questions about what science is, how science explains phenomena, and how values intersect with its investigations. All of this makes it an exciting time to study the philosophy of psychology—as students in this course, student's interests will play a role in selecting topics and shaping the direction of our inquiry. (Same as PHIL 323.)

**PSYC 333. Child Development. 3 Credits.**

A survey course on the science and application of child and adolescent development; including physical, motoric, social, emotional, and cognitive changes from conception through adolescence. The course covers methods and theory, genetics, and may incorporate content on aggression, morality, parenting, media, and peers. Prerequisite: PSYC 104.

**PSYC 350. Psychological Disorders. 3 Credits.**

A broad survey of psychopathology, with a focus on the primary symptoms, causes, consequences, and treatments of its major manifestations, including: anxiety disorders, mood disorders, trauma-related disorders, eating disorders, substance-use disorders, personality disorders, and psychotic-spectrum disorders. Relevant scholarship from neuroscience, cognitive science, medicine, behavioral science, and

sociocultural perspectives will be integrated throughout. Prerequisite: PSYC 104.

**PSYC 351. Psychological Disorders, Honors. 3 Credits.**

Open to students in College or Departmental Honors programs or by permission of instructor. Prerequisite: PSYC 104.

**PSYC 360. Social Psychology. 3 Credits.**

An introduction to the psychology of social behavior. Systematic consideration of such concepts as social influence, conformity and deviation, social attitudes and prejudice, socialization and personality, communication and propaganda, morale, and leadership. Prerequisite: PSYC 104.

**PSYC 361. Social Psychology, Honors. 3 Credits.**

An introduction to the psychology of social behavior. Systematic consideration of such concepts as social influence, conformity and deviation, social attitudes and prejudice, socialization and personality, communication and propaganda, morale, and leadership. Open to students in University or Departmental Honors programs or by permission of instructor. Prerequisite: PSYC 104.

**PSYC 370. Behavioral Neuroscience. 3 Credits.**

A survey of topics related to the biological processes underlying behavior in humans and in animals, including the physiology of neuronal and synaptic transmission, neurochemistry, and neuropharmacology. Selected topics within the area of behavioral neuroscience are also covered, such as motivation, appetite, reward, homeostasis, biological rhythms, addiction, aggression, stress, emotion, and sleep. Prerequisite: An introductory course in Psychology; and PSYC 200 and PSYC 210.

**PSYC 375. Cognitive Neuroscience. 3 Credits.**

A survey of topics related to the biological processes underlying cognition in humans and in animals, including the physiology of neuronal and synaptic transmission, neurochemistry, and functional neuroanatomy. Selected topics within the area of cognitive neuroscience also covered, such as sensory processing, hearing, vision, learning and memory, attention, motor control, language, hemispheric asymmetry, executive function, and neuroplasticity. Prerequisite: An introductory course in Psychology; and PSYC 200 and PSYC 210.

**PSYC 380. Clinical Neuroscience. 3 Credits.**

The organization and function of the nervous system as it relates to topics of interest to psychologists, including pain, anxiety, stress, sleep, depression, schizophrenia, akinetic and dyskinetic movement disorders, and senile dementia. Prerequisite: An introductory course in Psychology, and PSYC 200 and PSYC 210.

**PSYC 385. Social Neuroscience. 3 Credits.**

This course is designed to acquaint students with the Social Neuroscience approach as well as recent findings using this approach. The class will focus on particular social phenomena and (a) evaluate the utility of current social neuroscience research examining these phenomena and (b) consider future experimental designs using the Social Neuroscience approach to further inform our understanding of each phenomenon. Prerequisite: An introductory course in Psychology; an introductory course in Biology; and PSYC 200 and PSYC 210.

**PSYC 390. The Psychology of Aging. 3 Credits.**

Social, psychological, and economic adjustments required by aging; changes in cognition, role and personality necessitated by advancing age. Prerequisite: PSYC 104.

**PSYC 399. Data 2: Foundations of Data Science. 3 Credits.**

Data science empowers its users to provide data-drive solutions to problems and questions in the world. This course provides foundational skill and knowledge behind this power. This knowledge and skill includes

learning to formulate effective questions to answer with data, computer programming, data management and wrangling, exploratory data analysis and visualization, statistical inference and prediction, data-driven decision making, and communication. (Same as ECON 399 and POLS 399.) Prerequisite: PSYC 199/POLS 199/ECON 199 or EECS 138; and PSYC 210 or MATH 365 or ECON 226 or POLS 206 or SOC 380 or MATH 101 or MATH 104 or MATH 115 or MATH 121.

**PSYC 402. Study Abroad Topics in: \_\_\_\_\_. 1-6 Credits.**

This course is designed for the study of special topics in Psychology equivalent to courses at the 300 to 600 level at KU. Coursework must be arranged through the Office of KU Study Abroad. May be repeated for credit if content varies.

**PSYC 410. Intimate Relationships. 3 Credits.**

A social psychological perspective on adult intimate relationships, examining friendship, dating, committed relationships, and the dissolution of committed relationships. Topics include romance, jealousy, self-disclosure, power, loneliness, and social support. Discussion of heterosexual and homosexual relationships, traditional forms (e.g., marriage) of relationships as well as alternative lifestyles (e.g. cohabitation) and gender-linked differences in relationships. (Same as WGSS 410.) Prerequisite: PSYC 104.

**PSYC 412. Introduction to Motivation and Emotion. 3 Credits.**

An examination of contemporary issues, theories, and research in motivation and emotion. Prerequisite: PSYC 360 or PSYC 361, or consent of instructor.

**PSYC 413. Behavioral Economics. 3 Credits.**

Decisions link our thoughts to our actions and as a result define who we are and who people think we are. This makes decision making a fundamental life skill. But, can we make better decisions? This course will introduce you to the science of decision making that has developed as scholars including biologists, economists, mathematicians, philosophers, psychologists, and others have sought to answer this very question. Over the course of the semester we will examine what we have learned so far such as how people predict and mispredict events, how people make decisions and how their decisions can be quite irrational from one perspective but simultaneously appear quite reasonable, how people bargain and why they sometimes choose to cooperate and other times not, and why negotiating can be so difficult. (Same as ECON 413.) Prerequisite: PSYC 104 or ECON 142; MATH 101 or MATH 103 or MATH 104, or eligibility for MATH 115 or MATH 125 or MATH 126.

**PSYC 418. Introduction to Cognitive Science. 3 Credits.**

Examines the data and methodologies of the disciplines that comprise Cognitive Science, an interdisciplinary approach to studying the mind and brain. Topics may include: consciousness, artificial intelligence, linguistics, education and instruction, neural networks, philosophy, psychology, anthropology, evolutionary theory, cognitive neuroscience, human-computer interaction, and robotics. (Same as LING 418, PHIL 418, and SPLH 418.) Prerequisite: Consent of instructor.

**PSYC 430. Cognitive Development. 3 Credits.**

A basic survey course in the development of thinking and understanding in normal children. The course will cover Piaget's theory and information processing theories at the advanced undergraduate level. Topics include perception, attention, learning, memory, language, problem solving, and individual differences from birth to the mid-teens. Prerequisite: PSYC 104 or ABSC 160.

**PSYC 435. Psycholinguistics I. 3 Credits. LFE**

A detailed examination of issues in the processing of language. The course provides a survey of research and theory in psycholinguistics, reflecting the influence of linguistic theory and experimental psychology.

Spoken and written language comprehension and language production processes are examined. (Same as LING 435.) Prerequisite: An introductory course in linguistics or consent of instructor.

**PSYC 449. Laboratory/Field Work in Human Biology. 1-3 Credits. LFE AE61 CAP**

This biological anthropology lab course builds upon concepts introduced in ANTH 150 and ANTH 304. It provides students with practical, hands-on experience in biological anthropology laboratory methods and theory. Topics include: genetics, osteology, forensic anthropology, modern human biological variation, primatology, paleoanthropology, and human evolution. Students integrate their knowledge of human variation, genetics, and critical approaches to the concept of social and biological race. For the final project, students analyze genetic markers using a commercial ancestry test. They will either be given anonymous data to work with, or, if they pay an optional laboratory fee, they can investigate their own genome for the final project. This fee for self-study is not required for full participation in the final project. (Same as ANTH 449, BIOL 449, and SPLH 449.) Prerequisite: Either ANTH 304, ANTH 340, Human Biology major, or permission of instructor.

**PSYC 460. Honors Thesis. 2 Credits. AE61 CAP**

A seminar to guide Psychology majors through an honors thesis project with an identified faculty mentor, leading to graduation with Honors in Psychology. Enrollment for 2 credits in each of two semesters during the junior or senior year is required. Prerequisite: Instructor permission.

**PSYC 465. Stereotyping and Prejudice Across Cultures. 3 Credits.**

This course covers a variety of theoretical views concerning the origins of stereotypes and the factors that maintain them, as well as how and when the revision of such beliefs take place. Analysis of various stereotypes (including gender and race) and the experience of prejudice across a variety of cultural contexts is examined. Many difficult social issues are discussed in depth. Prerequisite: PSYC 360 or PSYC 361; or consent of instructor.

**PSYC 468. Psychology of Women. 3 Credits.**

A survey of the psychological theories about women; similarities and differences in the behavior of women and men; the effects of biological and social factors on the behavior of women and men; and issues of concern to women of different races, sexual orientations, ages, and so forth. (Same as WGSS 468.) Prerequisite: Any previously completed course in PSYC or WGSS.

**PSYC 469. Seminar: \_\_\_\_\_. 1-5 Credits.**

Discussion of current problems in psychological theory and research. Prerequisite: PSYC 104.

**PSYC 470. Introduction to Contemporary Psychotherapies. 3 Credits.**

Review of current psychotherapies with special references to their underlying philosophies, theories of personality, techniques, and effectiveness. Issues concerning the use of drugs in the treatment of mental disorders are also reviewed. Prerequisite: PSYC 104.

**PSYC 472. Psychology of Sleep and Dreaming. 3 Credits.**

This course reviews recent evidence on the roles of dreaming and dreamless sleep. Psychological, developmental, personality, and social psychological aspects are considered. Prerequisite: PSYC 104.

**PSYC 480. Independent Study. 1-5 Credits.**

Investigation of a special research problem or directed reading in an area not covered in regular courses. No more than 3 hours of PSYC 480 may be counted toward the minimum hours required for the major. Prerequisite: Consent of instructor.



**PSYC 481. Research Practicum. 1-5 Credits.**

Guided participation in ongoing research programs to augment quantitative skills through direct practicum experience. No more than 3 hours of PSYC 481 may be counted toward the Psychology minor or the Psychology, Developmental Psychology, and Behavioral Neuroscience major requirements. Prerequisite: PSYC 200 or PSYC 210 or consent of instructor.

**PSYC 482. Sensation and Perception. 3 Credits.**

Introduction to human sensory and perceptual capabilities. Topics include: sensory systems, perceptual development, and perceiving color, objects, space, movement, sound, speech, touch, smell, and taste as well as various perceptual illusions. Prerequisite: PSYC 104.

**PSYC 483. Undergraduate Internship in Psychology. 1-3 Credits.**

Students conduct psychology focused fieldwork in an organization related to their professional/career goals. Credit hours are determined on the basis of 120 clock hours for 3 credit hours, 80 clock hours for 2 credit hours, and 40 clock hours for 1 credit hour. An internship plan (contract) is developed by the student in conjunction with the student's instructor and signed off by the academic adviser and an authorized agent of the internship site. At the conclusion of the internship experience, the authorized agent of the internship site writes the academic adviser indicating that the student has met the goals of the internship plan and the hours required. No more than 3 hours of PSYC 483 may be counted toward the minimum hours required for the major. Prerequisite: Admission to the Psychology major.

**PSYC 484. Classroom to Career. 3 Credits.**

Students who are preparing to enter the workforce are introduced to current challenges and trends in professional development and workforce psychology. In addition to discussion of interdisciplinary research centered around career management topics such as preventing burnout, recognizing and eliminating bias in interviews, or predictors of job satisfaction and productivity, emphasis is placed on the creation of a job dossier and tools to help bridge skills from the classroom and their place in an individuals' career. Prerequisite: Junior or senior status.

**PSYC 492. Psychology and Social Issues. 3 Credits.**

A study of psychological aspects of selected social issues in contemporary American society. Race relations and the civil rights movement. Political extremism. Public opinion and social change. Social psychological approaches to a variety of social problems. Prerequisite: PSYC 360 or 361, or consent of instructor.

**PSYC 500. Intermediate Statistics in Psychological Research. 3 Credits.**

A second course in statistics with emphasis on applications. Analysis of variance, regression, analysis, analysis of contingency tables; possibly selected further topics. Prerequisite: Grade of B- or better in PSYC 210.

**PSYC 502. Human Sexuality. 3 Credits.**

An introduction to the field of human sexuality. Topics to be covered include sexual anatomy and physiology, fertilization, pregnancy, birth and lactation, contraception, human sexual response, sexuality across the life cycle, love, marriage, alternatives to marriage, sexual orientation, sex differences in behavior, parenthood, sexually transmitted diseases, sex and the law, and sex education. (Same as WGSS 502.) Prerequisite: Any previous coursework in either WGSS or PSYC.

**PSYC 521. Women and Violence. 3 Credits.**

An examination of research on women and violence, including rape, domestic violence, sexual harassment, stalking, and child sexual abuse. The nature, prevalence, causes, and consequences of violence against women are discussed. (Same as WGSS 521.) Prerequisite: PSYC 104.

**PSYC 533. The Psychology of Addictive Behaviors. 3 Credits.**

The course will take an in-depth look at addiction processes using an interdisciplinary perspective. The course will cover processes that lead to the development of substance use disorders, as well as advanced topics in prevention and treatment. Addiction is a behavioral disorder, and the seminar will focus heavily on learning theory and conditioning processes that can yield problem substance use. Readings will be derived from a variety of sources, including both animal and human studies. This seminar is appropriate for graduate students from a variety of disciplines, as well as advanced undergraduate students who satisfy the prerequisite requirements. This course is offered at the 500 and 800 level with additional assignments at the 800 level. Not open to students with credit in PSYC 823. Prerequisite: PSYC 104.

**PSYC 535. Developmental Psychopathology. 3 Credits.**

A review of contemporary psychological and developmental disorders of children and youth. Course presents current models of psychopathology, classification systems, assessment methods, and treatment approaches designed for the individual, the family, and the community. Specific attention is given to age, gender, and cultural differences and similarities. Topics include: anxiety disorders, oppositional behavior disorders, physical/sexual abuse, learning disabilities, depression, chronic physical illness, and autism. (Same as ABSC 535.) Prerequisite: ABSC 160 or PSYC 333, or instructor permission.

**PSYC 545. Culture and Psychology. 3 Credits.**

The course considers the relationship between culture and psyche. One theme throughout the course involves revealing the cultural grounding of psychological functioning. The second and complementary theme involves identifying the psychological processes involved in the phenomenon of culture. Prerequisite: PSYC 333, 334, 360 or 361 or consent of instructor.

**PSYC 566. Psychology and the Law. 3 Credits.**

An application of psychological processes and concepts to the American legal system. Among the topics covered are the socialization of legal attitudes, opinions about the purposes of the criminal justice system and especially of prisons, the concept of "dangerousness," the nature of jury decision making, and the rights of prisoners, patients, and children.

**PSYC 580. Research Lab. 1-5 Credits.**

Supervised research under the guidance of a faculty member in the Department of Psychology. Students will be part of a collaborative laboratory environment, and will be involved in research design, data collection, and data analysis, and will take part in regularly scheduled laboratory meetings. Prerequisite: Permission of instructor.

**PSYC 590. Nonverbal Communication. 3 Credits.**

Examination of non-linguistic behavior in human communication, including proxemics (spacing), kinesics (movement and expression), and paralinguistics (voice quality). Includes phylogenetic and developmental perspectives, methods of analysis, applications to interpersonal problems. (Same as COMS 590.) Prerequisite: PSYC 104.

**PSYC 595. Eating and Weight Disorders. 3 Credits.**

This course is an intensive seminar in which students will critically examine up-to-date research and theoretical models on eating and weight disorders. Content will include diagnosis and assessment, as well as psychological, social, cognitive, biological, and "addiction" model influences/perspectives. Students will gain exposure to literature on treatment and prevention of eating disorders and obesity. Class will include critical discussion, brief lecture, and active-learning strategies to facilitate learning during class. Students will also participate in group work. Prerequisite: PSYC 350 or instructor permission.

**PSYC 598. Positive Psychology. 3 Credits.**

An introduction to the core assumptions and research findings associated with human strengths and positive emotions. Also an exploration of interventions and applications informed by positive psychology in counseling and psychotherapy, and its application to school, work, family and other close relationships. (Same as EPSY 580.) Prerequisite: PSYC 104 or consent of instructor.

**PSYC 599. Data III: Data Management. 3 Credits.**

This course focuses on the concepts and skills needed to prepare data for analysis, as well as to document data for preservation and reuse. This class provides students with a functional foundation for data selection, cleaning, integration, reduction, and transformation. Students will learn data wrangling skills using a set of tools including Python, SAS, Regular Expressions, and SQL. The importance of structured metadata is also stressed. Prerequisite: PSYC 399.

**PSYC 605. Health Psychology. 3 Credits.**

Review of research and theory concerning the role of psychological factors in the development of physical illness and the contribution of psychologists to the treatment and prevention of physical illness. Prerequisite: PSYC 104.

**PSYC 612. Data IV: Introduction to Machine and Statistical Learning. 3 Credits.**

Large-scale data sets ("big data") have become ubiquitous across many applied areas. The goal of this course is to introduce methods that are well-suited to find insights using these big data sets. The course focuses on statistical learning techniques and high-dimensional statistics that can be applied in context-specific domains. Students will learn both the theory of supervised and unsupervised statistical learning techniques as well as how to program these statistical methods in Python with the common libraries that facilitate their use. Prerequisite: PSYC 599.

**PSYC 620. Experimental Psychology: Sensation, Perception, and Cognition. 6 Credits. AE61 CAP**

Lectures and laboratory work on human sensory processes and how they result in perceptions of the environment. Experience is provided in designing and implementing research as well as in the skills necessary for statistical analysis, interpretation of data, and scientific writing. Prerequisite: PSYC 104 and PSYC 210 or consent of instructor.

**PSYC 622. Experimental Psychology: Social Behavior. 6 Credits. AE61 CAP**

Lectures, laboratory and field work on various issues in research in social psychology (e.g., conformity, attitude change, social processes). Two two-hour periods a week and appointment for research. Prerequisite: PSYC 104, PSYC 360, and PSYC 210 or consent of instructor.

**PSYC 625. Experimental Psychology: Methods in Psychophysiology and Neuroscience. 6 Credits. AE61 CAP**

Lectures and laboratory work on psychophysiology and neuropsychology research methods. Overview of psychophysiological tools to measure the central and peripheral nervous systems. Experience designing and implementing neuropsychology and psychophysiology research. Prerequisite: PSYC 104 and PSYC 210 or consent of instructor.

**PSYC 626. Adolescent Behavior and Development. 3 Credits.**

Impact of factors of social environment and physical growth upon psychological development from puberty to young adulthood. (Same as ABSC 626.) Prerequisite: PSYC 104, PSYC 333, or ABSC 160.

**PSYC 630. Clinical Psychology. 3 Credits.**

The historical and empirical foundations of clinical psychology. Significant trends in theory, research, and social organization which have shaped clinical practice. A review of clinical practice. Prerequisite: PSYC 104.

**PSYC 632. Advanced Child Behavior and Development. 3 Credits.**

An advanced course in child development that includes a survey of the field's principles and theoretical approaches, and current issues in research and practice. Topics will include: prenatal development, cognition and language, social-emotional development, socialization influences in childhood, developmental psychopathology, and social policies. (Same as ABSC 632.) Prerequisite: ABSC 160, PSYC 333, or instructor permission, and senior or graduate status.

**PSYC 690. Seminar: \_\_\_\_\_. 1-5 Credits.**

Discussion of current problems in psychological theory and research. Prerequisite: PSYC 104 and sophomore status.

**PSYC 698. Bayesian Data Analysis. 3 Credits.**

This course will provide a tutorial introduction to doing Bayesian data analysis. The course is intended to make advanced Bayesian methods accessible to all students in the behavioral and social sciences. During the course we will cover the fundamental of Bayesian methods and work from the simplest model up through hierarchical or multilevel models for all types of data from binary to continuous to count data. By the end of the course each student should be able to carry out their own Bayesian data analysis for nearly any question they might ask in the social and behavioral sciences. Open only to undergraduate students. Not open to students with credit in PSYC 797. Prerequisite: consent of instructor.

**PSYC 699. Community Data Lab. 3 Credits.**

Data science empowers its users to provide data-driven solutions to problems and questions in the world. This course provides students an opportunity to work on real-world problems that come from local and state governments, health care, education, and small businesses across the state of Kansas. Students will gain experience working from start to finish on delivering data-driven solutions for these problems. In doing so, students will further develop knowledge and skills in learning to formulate effective questions to answer with data, computer programming, data management and wrangling, exploratory data analysis and visualization, statistical inference and prediction, data-driven decision making, and communication. Students will also gain professional skills learning to work with different organizations across the state. (Same as POLS 699) Prerequisite: PSYC/POLS/ECON/SOC 199; EECS 138; PSYC 210 or MATH 365 or ECON 226 or POLS 206 or SOC 380; PSYC/POLS/ECON 399; MATH 101 or MATH 104; or departmental approval.

**PSYC 704. Research Practicum in Clinical Child Psychology. 3 Credits.**

This course provides students in the Clinical Child Psychology Program with the opportunity to enhance and consolidate their research activities by fulfilling one of the elective cluster course requirements. This practicum involves a contract with a research advisor and the program director. The contract includes definable products and dates for completion to prepare research for submission for publication, develop a grant proposal, or conduct additional research project independent of other requirements in the program. The course is not to be taken as an overload, but is to be part of a full-time course schedule. May be repeated. (Same as ABSC 704.) Prerequisite: Graduate standing in clinical child psychology and instructor permission.

**PSYC 706. Special Topics in Clinical Child Psychology: \_\_\_\_\_. 3 Credits.**

A course offering detailed discussion of the literature and research methods of a special topic within clinical child and pediatric psychology. Topic and instructor may change by semester and will be announced in the Schedule of Classes. May be repeated. (Same as ABSC 706.) Prerequisite: Graduate standing in clinical child psychology and instructor permission.

**PSYC 723. Advanced Cognitive Psychology. 3 Credits.**

Advanced cognitive psychology reviewing theories of pattern recognition, attention, working memory, language comprehension and problem solving. Emphasis will be placed upon the application of these theories to real-life situations. Prerequisite: PSYC 104 and six additional credit hours in psychology, or permission of the instructor.

**PSYC 725. Cognitive Neuroscience. 3 Credits.**

A survey of the critical issues within cognitive and behavioral neuroscience. The course will provide information about neuronal physiology, functional neuroanatomy, and psychophysiological research methods. Human cognition and the neurophysiology that subserves the primary cognitive functions will be discussed.

**PSYC 735. Psycholinguistics I. 3 Credits. LFE**

A detailed examination of issues in the processing of language. The course will provide a survey of research and theory in psycholinguistics, reflecting the influence of linguistic theory and experimental psychology. Spoken and written language comprehension and language production processing will be examined. (Same as LING 735.)

**PSYC 737. Psycholinguistics II. 3 Credits.**

An in-depth examination of selected topics in psycholinguistics. Topics may include spoken language processing, written language processing, neurolinguistics, prosody, and syntactic processing. (Same as LING 737.) Prerequisite: PSYC 735/LING 735 or consent of instructor.

**PSYC 774. Advanced Social Psychology I. 3 Credits.**

First semester of a two-semester course. Designed to provide a thorough background in social psychology and to motivate a continuing exploration of theoretical problems and issues in the field. Combines examination of historical development of theories and methods in social psychology with analysis of theoretical and methodological approaches to a variety of contemporary topics.

**PSYC 775. Advanced Social Psychology II. 3 Credits.**

A continuation of PSYC 774.

**PSYC 780. Research Lab. 1-5 Credits.**

Supervised research under the guidance of a faculty member in the Department of Psychology. Students will be part of a collaborative laboratory environment, and will be involved in research design, data collection, and data analysis, and will take part in regularly scheduled laboratory meetings. Prerequisite: Permission of instructor.

**PSYC 782. Research Methods in Child Language. 3 Credits.**

A survey of methods for studying phonological, morphological, syntactic, and semantic change during language development. Methods include: diary interpretation, language sample analysis, probe elicitation tasks, and clinical assessment. (Same as CLDP 782 and LING 782.)

**PSYC 787. Multidisciplinary Perspectives on Gerontology and Aging. 3 Credits.**

A seminar coordinated by the Gerontology Program. The seminar explores essential areas of gerontology for researchers and practitioners, providing a multidisciplinary (biology, health services, behavioral and social sciences, human services) perspective on aging. The seminar surveys contemporary basic and applied research, service programs, and policy and management issues in gerontology. (Same as ABSC 787, AMS 767 and SOC 767.)

**PSYC 790. Statistical Methods in Psychology I. 3 Credits.**

Elementary distribution theory; t-test; simple regression and correlation; multiple regression and multiple correlation; curvilinear regression; logistic regression; general linear model. Applications across the behavioral and social sciences are emphasized. Prerequisite: A beginning course in statistics and graduate standing, or consent of instructor.

**PSYC 791. Statistical Methods in Psychology II. 3 Credits.**

Continuation of PSYC 790. One-way analysis of variance, linear trends, contrasts, post hoc tests; multi-way analysis of variance for crossed, blocked, nested, and incomplete designs; analysis of covariance; repeated measures analysis of variance; general linear model. Applications across the social, educational, and behavior sciences are emphasized. Prerequisite: PSYC 790 or equivalent, or consent of instructor.

**PSYC 792. Data Science for the Social and Behavioral Sciences. 3 Credits.**

Data science empowers its users to provide data-driven solutions to problems and questions in the world. This course provides foundational skills and knowledge behind this power. This knowledge and skillset include learning to formulate effective questions to answer with data, computer programming, data management and wrangling, exploratory data analysis and visualization, statistical inference and prediction, data-driven decision making, and communication. Different offerings of this course may focus on different skills and use different programming languages, so check with the instructor. Prerequisite: PSYC 790 or equivalent graduate level course introductory statistics course.

**PSYC 796. Computer Models of Brain and Behavior. 3 Credits.**

An introduction to the techniques of computer modeling with applications in the study of brain-behavior mechanisms. Early and contemporary efforts to simulate the neuron, neural networks, and neural processes which regulate behavior, are reviewed. Application of modeling techniques in sample brain-behavior problem areas are used to illustrate the operation of thresholds, feedback, dynamic equilibrium, redundancy, plasticity, network structure, and similar constructs. Programming skill in a high-level language available on personal computers or mainframe is required. Prerequisite: EECS 128 or EECS 138 or PSYC 795, and PSYC 370, or equivalent courses or experience.

**PSYC 797. Bayesian Data Analysis. 3 Credits.**

This course will provide a tutorial introduction to doing Bayesian data analysis. The course is intended to make advanced Bayesian methods accessible to all students in the behavioral and social sciences. During the course we will cover the fundamental of Bayesian methods and work from the simplest model up through hierarchical or multilevel models for all types of data from binary to continuous to count data. By the end of the course each student should be able to carry out their own Bayesian data analysis for nearly any question they might ask in the social and behavioral sciences. Not open to students with credit in PSYC 698. Prerequisite: PSYC 790 or equivalent, or consent of instructor.

**PSYC 799. Proseminar in Child Language. 2 Credits.**

A review and discussion of current issues in children's language acquisition. May be repeated for credit. Graded on a satisfactory/unsatisfactory basis. (Same as ABSC 797, CLDP 799, LING 799, and SPLH 799.)

**PSYC 800. Experimental Psychology: \_\_\_\_\_. 3 Credits.**

An advanced survey of theory and research in a selected area of experimental psychology. Continual enrollment for four semesters is required of entering graduate students in experimental psychology. Open to other students with graduate standing in psychology or a closely related field. May be repeated with permission.

**PSYC 803. Fundamentals of Psychological Assessment and Intervention with Children. 3 Credits.**

Lecture and supervised experience covering the theoretical and empirical literature on assessment and intervention methods for children, adolescents, and families. Students will learn and demonstrate evidence-based clinical interviewing skills, behavioral observation techniques, risk assessment techniques, therapeutic communication approaches,



strategies for providing assessment feedback to families, and ethical principles related to the provision of assessment and psychotherapy (including client file and resource management.) The course requires interaction with clinical populations and communication with referral sources. (Same as ABSC 803.) Prerequisite: Graduate student in clinical child psychology program.

**PSYC 805. History of Psychology. 3 Credits.**

A historical survey of basic concepts and theories in psychology with emphasis on their relationship to contemporary problems in theory.

**PSYC 809. Professional Issues: Clinical Child Psychology. 1 Credits.**

Consideration of special problems confronting the child and family oriented scientist-practitioner, and in the development of a professional identity. Topics include critical issues, including ethical, legal, cultural, empirical, and clinical aspects of research and practice. May be repeated. (Same as ABSC 809.) Prerequisite: Graduate standing in clinical child psychology.

**PSYC 810. History and Ethics in Psychology. 3 Credits.**

A historical survey of basic concepts and theories in psychology with emphasis on their relationship to contemporary issues. Examination of historical and contemporary code of ethics and its application to the conduct of clinical psychologists.

**PSYC 811. Achievement and Intellectual Assessment in Clinical Child Psychology. 3 Credits.**

Course covers the basic theory, research, administration, and reporting of psychological assessment of development, intelligence, and achievement for children, adolescents, and adults within cultural and developmental contexts. The range of psychological instruments examined includes, for example, WIAT, K-ABC, W-J, S-B, WISC, WAIS, and WPPSI. (Same as ABSC 811.) Prerequisite: Graduate student in clinical child psychology.

**PSYC 812. Behavioral and Personality Assessment of Children. 3 Credits.**

Lecture, laboratory, field work, and supervision. Theory and applications in the psychological evaluation of children with standardized assessment techniques. The administration, scoring, interpretation, and reporting of behavioral and personality functioning in children. (Same as ABSC 812.) Prerequisite: Graduate standing in clinical child psychology.

**PSYC 815. Design and Analysis for Developmental Research. 3 Credits.**

Coverage of the philosophy and basic principles of group-design research, with a special emphasis on designs that are appropriate for developmental studies. Designs for both experimental and quasi-experimental research are covered, and appropriate statistical procedures are presented concomitantly with the designs. Individual-difference analyses and statistical control issues are also addressed.

**PSYC 818. Experimental Research Methods in Social Psychology. 3 Credits.**

Systematic discussion of the techniques of research in social psychology, with practice in the utilization of selected methods. Prerequisite: One course in social psychology in addition to introductory social psychology.

**PSYC 819. Field and Evaluation Research Methods in Social Psychology. 3 Credits.**

Basic principles and practices of field methods in basic and applied research in social psychology and related fields; relationships between field and laboratory studies; special emphasis on survey and evaluation research methods and study designs; client and respondent relationships; research and public policy.

**PSYC 821. Women and Violence. 3 Credits.**

An examination of research on women and violence, including rape, domestic violence, sexual harassment, stalking, and child sexual abuse. Research on the nature, prevalence, causes, and consequences of violence against women is discussed. (Same as WGSS 821.) Prerequisite: Six hours in WGSS and/or PSYC, or permission of instructor.

**PSYC 823. The Psychology of Addictive Behaviors. 3 Credits.**

The course will take an in-depth look at addiction processes using an interdisciplinary perspective. The course will cover processes that lead to the development of substance use disorders, as well as advanced topics in prevention and treatment. Addiction is a behavioral disorder, and the seminar will focus heavily on learning theory and conditioning processes that can yield problem substance use. Readings will be derived from a variety of sources, including both animal and human studies. This seminar is appropriate for graduate students from a variety of disciplines, as well as advanced undergraduate students who satisfy the prerequisite requirements. This course is offered at the 500 and 800 level with additional assignments at the 800 level. Not open to students with credit in PSYC 533. Prerequisite: PSYC 104 or equivalent.

**PSYC 825. Social Development. 3 Credits.**

A lecture and discussion course in social development. It includes such topics as theoretical approaches to the study of social development, as well as the literature on family processes, peer relations, aggression and prosocial behavior, child abuse and neglect, family violence, child care, and the media. (Same as ABSC 825.) Prerequisite: A course in child psychology or development.

**PSYC 832. Clinical Health Psychology: Health Promotion and Disease Prevention. 3 Credits.**

An overview of the field of health psychology as applied to health promotion and disease prevention. Content areas include history and current research regarding behavioral and psychosocial risk factors for disease, as well as empirically supported assessment and therapeutic techniques for risk factor reduction and health promotion. Prerequisite: Graduate student in psychology or health-related fields, or permission of instructor.

**PSYC 833. Clinical Health Psychology: Acute and Chronic Illness. 3 Credits.**

An overview of the field of health psychology as applied to acute and chronic illness in adult, adolescent, and child populations. Content areas include psychological aspects of acute and chronic illness, including relevant empirically supported assessment and intervention strategies, adherence to medical regimens, pain, and enhancement of the psychologist's role in medical settings. Prerequisite: Graduate student in psychology or health-related fields, or by permission of instructor.

**PSYC 834. Clinical Health Psychology: Physical Aspects of Health and Disease. 3 Credits.**

An overview of physical manifestations of health and disease. Content areas include overview of anatomy and physiology of each body system, description of how deviations from normal anatomical development and physiological function result in common disorders, methods for distinguishing psychological from organic etiologies, indications of side effects of medications for common disorders, and description of roles of key members of health care team members. Prerequisite: Graduate student in psychology or health-related fields, or by permission of instructor.

**PSYC 835. Clinical Practicum IV: Health. 3 Credits.**

Supervised assessment and treatment of individuals and families within a medical setting, as well as multidisciplinary consultation. Inpatient and outpatient clinical health psychology rotations may include pediatrics, oncology, pain, rehabilitation, and other health psychology related

fields. Emphasis in selection of and training in psychological intervention strategies is on the use of empirically supported treatments where possible. Grading on Satisfactory/Fail basis. Prerequisite: PSYC 970 and graduate student in clinical health psychology specialty.

**PSYC 836. Clinical Practicum V: Health. 3 Credits.**

Continuation of PSYC 835. Prerequisite: Graduate student in clinical health psychology specialty.

**PSYC 838. Assessment and Management of Chronic Pain Across the Life Span. 3 Credits.**

Focuses on chronic pain affecting a person's life span from childhood to older adults. Topics include traditional versus modern biopsychosocial models along with treatments/measurements of chronic pain. In addition to medical and non-medical (mainly cognitive-behavioral) treatments for chronic pain. Also discussed will be experimental designs/determining significance in pain research and ethical/policy issues related therein. Prerequisite: Graduate student in psychology or health-related fields, or by permission of instructor.

**PSYC 840. Psychology of Women's Health. 3 Credits.**

A seminar devoted to examination of psychosocial and behavioral factors in women's health. Content areas include women and the health care system, social roles and health, gender differences, and similarities in morbidity and mortality, gynecologic health, chronic diseases, and health-related behaviors. Prerequisite: Graduate student in psychology or health-related field, or by permission of instructor.

**PSYC 841. Stress and Coping. 3 Credits.**

Theories and research on conceptualization, assessment, and effects of stress. Focus on coping processes and other determinants of adjustment to stressful conditions. Discussion of psychological interventions for managing stress and trauma. Prerequisite: Graduate student in psychology or related fields.

**PSYC 842. Specialized Health Psychology Practicum. 1-3 Credits.**

Specialized advanced practicum in clinical health psychology, with an area of emphasis mutually defined by student and instructor. Prerequisite: Consent of instructor.

**PSYC 846. Practicum in Clinical Child Psychology I. 1-3 Credits.**

Introductory practicum experience for the Clinical Child Psychology Program. Orientation to psychological evaluation and treatment of children, adolescents, and their families and initial development of professional self-assessment skills. Students acquire specific clinical competencies through shadowing cases, assisting with interpretation of test of intelligence and academic achievement, conducting behavioral observations in field settings, and performing co-therapy of cases presenting to the KU Child and Family Services Clinic. May be taken in more than one semester. (Same as ABSC 846.) Prerequisite: Graduate standing in clinical child psychology and instructor permission.

**PSYC 847. Practicum in Clinical Child Psychology II. 1-3 Credits.**

Intermediate practicum experience for the Clinical Child Psychology Program. Development of specific competencies in assessment and intervention with children, adolescents, and their families through didactics, field experience, and supervision. Students acquire specific clinical competencies through supervised provision of assessment and interventions for cases presenting to the KU Child and Family Services Clinic. Students develop ability to identify specific treatment goals and select therapeutic interventions that are conceptually congruent with clients' presenting problems and are based on sound empirical evidence. Students also develop the ability to integrate and synthesize test results, interview material, and behavioral observations into coherent case conceptualizations. May be taken in more than one semester. (Same as

ABSC 847.) Prerequisite: Graduate standing in clinical child psychology and instructor permission.

**PSYC 850. Assessment I: Foundations of Psychological Assessment. 3 Credits.**

Introduction to the history, methods and theory underlying psychological assessment techniques and methods. Students learn to administer, score, and interpret mental status exams and intelligence tests for children, adolescents and adults. Structured diagnostic assessments are introduced and practiced. Psychological report writing is introduced and practiced. The psychometric theory underlying the construction and validation of personality assessment instruments is reviewed. Prerequisite: Graduate student in clinical psychology or consent of instructor.

**PSYC 855. Assessment II: Integrative Psychological Assessment. 3 Credits.**

Lecture, laboratory and field work. Students learn to administer, score and interpret various personality assessment instruments. Students apply skills acquired in previous coursework to write integrated psychological assessment reports based on anamnesis, structured interview data, intelligence tests, and both objective and projective personality assessment instruments. Prerequisite: PSYC 850 or consent of instructor.

**PSYC 870. Cognitive Development. 3 Credits.**

A lecture/discussion course in cognitive development. The course will contrast the theory and research of Jean Piaget and his followers, with an information processing or cognitive psychology approach to issues. Topics include development of perception, attention and information getting; memory and metamemory; problem solving; discrimination learning and concept formation; and individual differences in cognitive styles and strategies. Prerequisite: A course in child psychology or development, a course in cognitive psychology, or consent of instructor.

**PSYC 881. Proseminar in Quantitative Behavioral and Social Sciences. 1 Credits.**

This course is an open forum discussion of issues, topics, and presentations in quantitative behavioral and social sciences. The course can be repeated for credit and is open to any graduate student in any discipline across the behavioral and social sciences.

**PSYC 888. Diversity Issues in Clinical Psychology. 3 Credits.**

Review of individual differences pertaining to culture, ethnicity, race, gender, sexual orientation, age, etc., as these have an impact upon theory, research, assessment, and treatment issues in clinical psychology. (Same as ABSC 888.) Prerequisite: Graduate status in clinical psychology, or instructor permission.

**PSYC 894. Multilevel Modeling. 4 Credits.**

Statistical methods for modeling multilevel (hierarchically structured) data. Topics include a review of ordinary least squares regression analysis, random effects ANOVA, intraclass correlation, multilevel regression, testing and probing interactions, maximum likelihood estimation, model assumptions, model evaluation, and the analysis of longitudinal data. There will be a heavy emphasis on the theory underlying multilevel modeling techniques and hands-on application using software. Applications across the social, educational, and behavior sciences are emphasized. Course consists of three hours of lecture and a required one-hour lab session where computing applications are taught. Prerequisite: PSYC 790 or equivalent, or consent of instructor.

**PSYC 897. Master's Thesis in Clinical Child Psychology. 1-10 Credits.**

Supervised research experience completing thesis leading to master's degree. (Same as ABSC 897.)



**PSYC 898. Proseminar: Professional Issues in Clinical and Health Psychology. 1 Credits.**

Discussion of current theoretical, empirical, and applied issues in clinical and clinical health psychology involving students, faculty, guest speakers. Prerequisite: Graduate student in clinical psychology.

**PSYC 899. Thesis. 1-10 Credits.**

Thesis hours. Graded on a satisfactory progress/limited progress/no progress basis.

**PSYC 903. Proseminar in Social Psychology. 1 Credits.**

A series of research talks on topics relevant to social and personality psychology featuring different weekly speakers from inside and outside the university. Graded on a satisfactory/unsatisfactory basis.

**PSYC 905. Psychopathology in Children. 3 Credits.**

Diagnosis and treatment of psychological problems in childhood and adolescence. Preference given to graduate students in child clinical psychology, school psychology, and counseling psychology. (Same as ABSC 905.) Prerequisite: Fifteen hours of graduate credit in psychology or consent of instructor.

**PSYC 925. Seminar in Cognitive, Affective, and Social Bases of Psychology. 3 Credits.**

Integrative examination of foundations and contemporary issues in the cognitive, affective, and social bases of psychological science. Review of the historical development of psychological theories and research in cognitive, affective, and social aspects of behavior, and examination of recent developments and contemporary trends in these areas. Topics include mood, emotion, and emotion regulation, memory, attention, perception, decision-making, group relations, attributions, discrimination, and attitudes. Prerequisite: Graduate standing in clinical or counseling psychology, or consent of instructor.

**PSYC 943. Advanced Practicum in Clinical Child Psychology III. 1-3 Credits.**

Advanced practicum experience for the Clinical Child Psychology Program. Development of advanced competencies in assessment and intervention with children, adolescents, and their families through didactics, field experience, and supervision. Students acquire advanced clinical competencies through supervised provision of assessment and interventions for cases presenting to the KU Child and Family Services Clinic and/or approved external practicum sites, leadership of didactic components of practicum (i.e., formal case presentation), and modeling of clinical competencies for junior students. Students will demonstrate the ability to implement empirically derived therapeutic interventions in consideration of individual differences, cultural values, and individual preferences. Students in external practicum sites will demonstrate an understanding of evidence-based models of consultation and provision of consultation to care providers in professional contexts. May be taken in more than one semester. (Same as ABSC 943.) Prerequisite: Graduate standing in clinical child psychology and instructor permission.

**PSYC 944. Advanced Practicum in Clinical Child Psychology IV. 1-3 Credits.**

Advanced practicum experience for the Clinical Child Psychology Program. Demonstration of advanced competencies in assessment, intervention, and consultation with children, adolescents, and their families through didactics, field experience, and supervision in the semester(s) prior to required clinical internship. Students demonstrate advanced clinical competencies through supervised provision of assessment and interventions for cases presenting to the KU Child and Family Services Clinic and/or approved external practicum sites, leadership of didactic components of practicum (i.e., integrated case presentation), and modeling of clinical competencies for junior students. Course requirements include the development of portfolios for demonstration of

clinical competencies and application to clinical internships. May be taken in more than one semester. (Same as ABSC 944.) Prerequisite: Graduate standing in clinical child psychology and instructor permission.

**PSYC 946. Theories and Methods of Psychotherapy. 3 Credits.**

Comparative examination and analysis of major theories and approaches to psychotherapeutic interventions, core principles of therapeutic change, scientific approaches to establishing treatment efficacy, current intervention issues. Prerequisite: Nine hours in graduate clinical psychology or consent of instructor.

**PSYC 947. Advanced Practicum in Clinical Child Psychology V. 1-5 Credits.**

Specialized practicum experience for the Clinical Child Psychology Program. Demonstration of advanced competencies related to supervision and consultation in clinical psychology. With faculty supervision, students will develop and demonstrate the ability to provide effective supervision to less advanced students in the program in selected cases appropriate to the service setting. Further development of advanced clinical competencies through supervised provision of assessment and interventions for cases presenting to the KU Child and Family Services Clinic and/or approved external practicum sites, leadership of didactic components of practicum, and modeling of clinical competencies for junior students. May be taken in more than one semester. (Same as ABSC 947.) Prerequisite: Graduate standing in clinical child psychology and instructor permission.

**PSYC 950. Clinical Supervision and Consultation: Theory & Research. 1 Credits.**

Lecture, readings, and discussion of theory and research related to the practices of clinical supervision and consultation. Developmental and competency based approaches to supervision with exposure to other approaches. Professional issues, ethics, and multicultural aspects of supervision and consultation. Prerequisite: Previous or concurrent enrollment in PSYC 969 or consent of instructor.

**PSYC 951. Clinical Supervision Practicum. 1-3 Credits.**

Fieldwork in supervision under direction of instructor. Practice in supervision of clinical work, assessment, psychotherapy, and documentation. Prerequisite: Previous or concurrent enrollment in PSYC 950 and PSYC 969, or consent of instructor.

**PSYC 955. Close Relationships and Adult Attachment: Theory, Research, and Current Controversies. 3 Credits.**

Review of attachment theory literature and the research it has generated in clinical developmental, personality, and social psychology. The course will allow discussion of a wide range of issues including the evolution of behavioral systems that underlie close human relationships, the developmental roots of relational styles and affect-regulation processes, the role of mental representations in interpersonal behavior, and some of the attachment and close relationship processes involved in good and poor mental health. Prerequisite: Graduate standing or consent of instructor.

**PSYC 956. Social Neuroscience. 3 Credits.**

Acquaint students with the Social Neuroscience approach as well as recent findings using this approach. The course will focus on particular social phenomena and (a) evaluate the utility of current social neuroscience research examining these phenomena and (b) consider future experimental designs using the Social Neuroscience approach to further inform our understanding of each phenomenon. After being acquainted with foundational concepts, students will analyze findings in a number of core content domains (including emotions, emotion regulation, self, stereotyping, attitudes and beliefs, social decision making, cooperation, close relationships), focusing on neuroscience's contribution

beyond traditional methods. Prerequisite: Graduate standing or consent of instructor.

**PSYC 960. Advanced Psychopathology. 3 Credits.**

Review of current nosology of adult psychopathological syndromes emphasizing development of diagnostic skills. Critical survey of recent research and theory related to the etiology, course, prognosis, and treatment of adult psychopathological conditions. Prerequisite: Graduate student status in clinical psychology, clinical child psychology, or counseling psychology.

**PSYC 961. Biological Foundations of Psychopathology. 3 Credits.**

A review of fundamental topics in the neurosciences and their relevance to selected psychopathological disorders. The fundamental topics are taken from genetics, neuroanatomy, neurophysiology, and neurochemistry. The disorders include schizophrenia, depression, anxiety disorders, Alzheimer's disease, Parkinson's disease, and Huntington's disease. Prerequisite: Graduate student in clinical psychology or consent of instructor.

**PSYC 963. Clinical Child Psychology Internship. 1 Credits.**

Three consecutive enrollments, covering a minimum of eleven months of experience in an approved clinical psychology field setting; supervision by qualified clinical child psychology faculty and field staff clinicians. Required of all clinical child psychology program students. An intensive guided experience in application of clinical child psychology theory, methods, and practices. Integrates scientific and clinical aspects of field. (Same as ABSC 963.) Prerequisite: Completion of Ph.D. comprehensive examinations, graduate standing in clinical child psychology, and permission of clinical child psychology faculty.

**PSYC 964. Clinical Practicum I. 3 Credits.**

Lecture, laboratory and field work, and supervision appointment. Psychological evaluation and treatment of individuals, couples, families, and groups; supervised, progressive experience in psychological treatment and in the clinical evaluation of intellectual, personality, and social functioning. Emphasis in selection of and training in psychological intervention strategies is on the use of empirically supported treatments where possible. Grading on Satisfactory/Fail basis. Prerequisite: Graduate student in clinical psychology program.

**PSYC 965. Clinical Practicum II. 3 Credits.**

A continuation of PSYC 964. Grading on Satisfactory/Fail basis. Prerequisite: PSYC 964 or permission of instructor.

**PSYC 966. Clinical Practicum III. 1-3 Credits.**

A continuation of PSYC 964. Grading on Satisfactory/Fail basis. Prerequisite: PSYC 964 or permission of instructor.

**PSYC 968. Research Methods in Clinical Psychology. 3 Credits.**

Systematic consideration of research methods in clinical psychology including identification of a research problem, selection of the research design and assessment strategies, and methods of evaluating the results. The principles, pitfalls, artifacts, biases, and sources of controversy in research in this area are also covered. Prerequisite: Graduate standing in clinical or counseling psychology.

**PSYC 969. Clinical Practicum IV. 3 Credits.**

Lecture, laboratory, field work, and supervision appointment. Advanced psychological treatment of the individual, couple, family, and group client; supervised, progressive experience in the clinical application of psychotherapeutic treatment methods with emphasis on the use of empirically supported interventions where possible. Grading on Satisfactory/Fail basis. Prerequisite: PSYC 966 or consent of instructor.

**PSYC 970. Clinical Practicum V. 3 Credits.**

A continuation of PSYC 969. Grading on Satisfactory/Fail basis. Prerequisite: PSYC 969 or consent of instructor.

**PSYC 971. Essentials of College Teaching. 1 Credits.**

This course introduces the essentials of learning and teaching to graduate students who are or plan to be teaching in a higher education setting. Students will learn evidence-based, student-focused instruction methods that are necessary for student success. This course emphasizes theoretical and practical concepts important to college teaching, including creating a supportive learning environment, facilitating active learning, motivating students, and developing inclusive teaching strategies.

**PSYC 974. Clinical Psychology Internship. 1-3 Credits.**

Three consecutive enrollments, covering a minimum of eleven months of experience in an approved clinical psychology field setting; supervision by clinical psychology faculty and field staff clinical psychologists. Required of all clinical psychology program students. An intensive guided experience in the application of clinical psychology theory, methods, and practices. An emphasis upon the relationships between scientific and clinical functions. Integrations between research and clinical practice. Prerequisite: Completion of Ph.D. comprehensive examinations and consent of clinical psychology faculty.

**PSYC 975. Professional and Ethical Problems in Clinical Psychology. 3 Credits.**

Interprofessional relationships, case security, legal aspects, ethical code of practice, clinic administration, and problems in the clinical practice of psychology. Issues involving ethics in research will also be explored. Prerequisite: Consent of instructor.

**PSYC 976. Therapeutic Interventions with Children. 3 Credits.**

Clinical approaches to the therapeutic treatment of children with special emphasis on research findings and laboratory (practicum) experience. A survey of relationship therapies, operant strategies, system approaches, parent education and play therapy by the right therapist for a specific child with a particular problem. (Same as ABSC 976.) Prerequisite: Instructor permission.

**PSYC 977. Specialized Clinical Practicum. 1-4 Credits.**

Lecture; laboratory and field work, and supervision appointment. Specialized psychological services for the evaluation and/or treatment of the individual client or the group or the institution. Investigation of and experience in a special practicum area not covered in regular courses. Prerequisite: Students must consult with members of the clinical faculty and propose an acceptable project in advance of enrollment.

**PSYC 979. College Teaching Practicum. 1 Credits.**

This practicum is designed to provide graduate students with teaching experience within a college classroom setting. Students will deliver a minimum of eight class sessions. Students will reflect on their teaching experience, incorporate feedback from a faculty mentor, and use evidence-based practices to revise their lesson plans accordingly. Through this guided experience, students will develop their teaching skills, gain confidence in their ability to deliver effective lessons, better understand successful teaching strategies, and use reflection as a tool for continuous improvement. Employment as a GTA is required the semester of enrollment in the course; however, enrollment in this course is not a condition of employment for GTAs at KU. Graded on a satisfactory/unsatisfactory basis. Prerequisite: Graduate standing in a KU program, employment as a GTA the semester of enrollment, and instructor permission.

**PSYC 980. Special Problems in Psychology. 1-5 Credits.**

Investigation of a special research problem or directed reading in an area not covered in regular courses. Prerequisite: Consent of instructor.

**PSYC 981. Advanced College Teaching. 1 Credits.**

This course extensively explores learning and teaching in a higher education setting, and is intended for graduate students who are or plan to be teaching in a higher education setting. Students will learn advanced evidence-based, student-focused instruction methods that will enhance college student learning, development, and identity. This course considers sophisticated theoretical and practical concepts important to college teaching, including designing an engaging course, improving students' cognitive skills, cultivating student autonomy and purpose, creating meaningful assessments, and understanding the role of teaching within the professoriate. Prerequisite: PSYC 971 recommended.

**PSYC 982. Issues in Scientific Conduct. 3 Credits.**

Lectures and discussion on issues in the conduct of a scientific career, with emphasis on practical topics of special importance in behavioral science. Topics will include the academic and scientific roles of behavioral scientists, establishing a research lab, communicating research findings, tenure processes, gender equity, ethical conduct, and good scientific citizenship. Discussions will highlight important case studies. (Same as CLDP 982 and SPLH 982.)

**PSYC 986. Interprofessional and Integrated Behavioral Health Care. 3 Credits.**

Overview of current interprofessional care models in primary care. Review integrated behavioral health care approaches to common mental health disorders and approach to lifestyle issues, such as smoking, exercise and poor sleep, and how they impact health. Learn how medical and behavioral health services come together within primary care at an interprofessional level to deliver health care. Review research emerging on integrated and interprofessional care models. Prerequisite: Graduate student in psychology, health related field, or permission of instructor.

**PSYC 993. Seminar: \_\_\_\_\_. 1-5 Credits.**

**PSYC 998. Doctoral Dissertation in Clinical Child Psychology. 1-10 Credits.**

Research experience making original contribution to literature in clinical child psychology. (Same as ABSC 998.)

**PSYC 999. Dissertation. 1-12 Credits.**

Dissertation hours. Graded on a satisfactory progress/limited progress/no progress basis.