Department of Psychology

The Psychology Department at the University of Kansas

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 programs: brain, behavior, and quantitative science, clinical psychology, and social psychology. Students admitted to one of these programs enter with the expectation of continuing graduate study through the Ph.D. as the department does not admit terminal master's students.

A separate clinical child psychology training program has been developed for doctoral students in an interdepartmental program with the Department of Applied Behavioral Science. For more information regarding the clinical child graduate program, please visit our website (https://ccpp.ku.edu/).

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 programs can be directed to our graduate program coordinator.

Courses

PSYC 102. Orientation Seminar in Psychology. 1 Credits. S
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. SI S
A basic introduction to the science of psychology.

PSYC 105. General Psychology, Honors. 3 Credits. SI S
Open to students in College or Departmental Honors programs or by permission of instructor.

PSYC 177. First Year Seminar: ____. 3 Credits. SI
A limited-enrollment, seminar course for first-time freshmen, organized around current issues in psychology. May not contribute to major requirements in psychology. First year seminar topics are coordinated and approved through the Office of First Year Experiences. Prerequisite: First-time freshman status.

PSYC 199. Data I: Dealing with Data. 3 Credits. S
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. S
ultimately reduces to the brain. We will also explore various philosophical
philosophy and so the question of what the philosophy of psychology
intersects 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. S
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 334. Child Development, Honors. 3 Credits. S
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. Open to students
in University or Departmental Honors Programs or by permission of
instructor. Prerequisite: PSYC 104.

PSYC 350. Psychological Disorders. 3 Credits. S
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. S
Open to students in College or Departmental Honors programs or by
permission of instructor. Prerequisite: PSYC 104.

PSYC 360. Social Psychology. 3 Credits. S
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. S
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. N
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; an introductory course in Biology;
and PSYC 200 or PSYC 201 and PSYC 210 or PSYC 211.

PSYC 371. Behavior Neuroscience, Honors. 3 Credits. N
A survey of basic 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. Open to students in University or Departmental Honors programs or by permission of instructor. Prerequisite: An introductory course in Psychology, an introductory course in Biology and PSYC 200 or PSYC 201 and PSYC 210 or PSYC 211.

PSYC 375. Cognitive Neuroscience. 3 Credits. N
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; an introductory course in Biology, and PSYC 200 or PSYC 201 and PSYC 210 or PSYC 211.

PSYC 380. Clinical Neuroscience. 3 Credits. N
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, an introductory course in Biology, and PSYC 200 or PSYC 201 and PSYC 210 or PSYC 211.

PSYC 381. Clinical Neuroscience, Honors. 3 Credits. N
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. Open to students in University or Departmental Honors programs or by permission of instructor. Prerequisite: An introductory course in Psychology; an introductory course in Biology, and PSYC 200 or PSYC 201 and PSYC 210 or PSYC 211.

PSYC 385. Social Neuroscience. 3 Credits. S
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 or PSYC 201 and PSYC 210 or PSYC 211.

PSYC 390. The Psychology of Aging. 3 Credits. S
Social, psychological, and economic adjustments required by aging; changes in cognition, role and personality necessitated by advancing age. Not open to students with credit in PSYC 691. Prerequisite: PSYC 104.

PSYC 399. Data 2: Foundations of Data Science. 3 Credits. S
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 ECES 138; and PSYC 210 or MATH 365 or ECON 426 or POLS 306 or SOC 380 or MATH 101 or MATH 104 or MATH 115 or MATH 121.

PSYC 402. Study Abroad Topics in: _____. 1-6 Credits. S
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. S
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. S
An examination of contemporary issues, theories, and research in motivation and emotion. Prerequisite: PSYC 360 or PSYC 361, or consent of instructor.

PSYC 418. Introduction to Cognitive Science. 3 Credits. S
Examines the data and methodologies of the disciplines that comprise Cognitive Science, an inter-disciplinary 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. S
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. S 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. N LFE
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 S LFE 449.) Prerequisite: Either ANTH 304, ANTH 340, Human Biology major, or permission of instructor.

PSYC 460. Honors in Psychology. 1-2 Credits. S
A seminar for juniors and seniors in the Honors Program in Psychology. Students who have been admitted to the Honors Program in Psychology...
may enroll for one credit for one or both semesters of their junior year and are required to enroll for two credits for both semesters in their senior year.

**PSYC 465. Stereotyping and Prejudice Across Cultures. 3 Credits. S**
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. S**
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. U**
Discussion of current problems in psychological theory and research. Prerequisite: PSYC 104.

**PSYC 470. Introduction to Contemporary Psychotherapies. 3 Credits. S**
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. S**
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. U**
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. U**
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 201 or PSYC 210 or PSYC 211 or consent of instructor.

**PSYC 482. Sensation and Perception. 3 Credits. S**
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. U**
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 academic adviser 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. S**
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. S**
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 499. Conceptual Issues in Psychology. 3 Credits. S**
This course examines classic issues in psychology--free-will and determinism, nature and nurture, the mind-body problem, approaches to human action, cultural influences on psychological theories, the evolution of intellectual paradigms, and inductive and deductive approaches to social scientific research--from multiple perspectives within psychology and related social sciences. Prerequisite: PSYC 104 or equivalent.

**PSYC 500. Intermediate Statistics in Psychological Research. 3 Credits. U**
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 or PSYC 211.

**PSYC 502. Human Sexuality. 3 Credits. S**
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 513. 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 bargain and why they sometimes choose to cooperate and other times not, and why negotiating can be so difficult. (Same as ECON 513.) 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 521. Women and Violence. 3 Credits. S**
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.**
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: PSYC 104 or ABSC 333, or instructor permission.

**PSYC 554. Culture and Psychology. 3 Credits.**
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 334, 336, or consent of instructor.

**PSYC 556. 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 570. Group Dynamics. 3 Credits.**
A study of the processes underlying the dynamics of the group, including the observation of group phenomena and a consideration of their relation to research findings. Prerequisite: PSYC 360 or 361, or consent of instructor.

**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: COMS 356 or PSYC 210 or PSYC 211.

**PSYC 592. Psychological Significance of Physical Illness and Disability. 3 Credits.**
A lecture course to help students become more aware of and responsive to the psychological needs of persons with physical illnesses or disabilities. Emphasis is upon the meanings of such conditions in individuals’ lives and the effects of treatment and rehabilitation settings on psychological adaptation. 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 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 620. Experimental Psychology: Sensation, Perception, and Cognition. 6 Credits.**
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 PSYC 211 or consent of instructor.

**PSYC 622. Experimental Psychology: Social Behavior. 6 Credits.**
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 PSYC 211 or consent of instructor.

**PSYC 625. Experimental Psychology: Methods in Psychophysiology and Neuroscience. 6 Credits.**
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 PSYC 211 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. S
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 650. Statistical Methods in Behavioral and Social Science Research I. 4 Credits. S
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. Course consists of three hours of lecture and a required one-hour lab session where computing applications are taught. Students taking this course as PSYC 790 will have different course requirements. Prerequisite: A grade of B- or better in a beginning course in statistics (e.g., PSYC 210 or PSYC 211, MATH 365, POLS 306, COMS 356, SOC 380, or equivalent) is recommended, or consent of instructor.

PSYC 651. Anova and Other Factorial Designs. 4 Credits. S
Course covers 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. Course consists of three hours of lecture and a required one-hour lab session where computing applications are taught. Students taking this course as PSYC 791 will have different course requirements. Prerequisite: PSYC 650 or equivalent, or consent of instructor.

PSYC 687. Factor Analysis. 4 Credits. S
This course covers the theory behind, and application of, exploratory factor analysis. Topics include a review of multiple linear regression and matrix algebra. In-depth coverage is devoted to diagrams, model specification, goodness of fit, model selection, parameter estimation, rotation methods, scale development, and sample size and power issues. Extensions to confirmatory settings are elaborated. Both the theory underlying factor analytic techniques and hands-on application using software are emphasized. Applications across the social and behavioral sciences are emphasized. Course consists of three hours of lecture and a required one-hour lab session where computing applications are taught. Students taking this course as PSYC 887 will have different course requirements. Prerequisite: PSYC 650 or equivalent, or consent of instructor.

PSYC 689. Conceptual Issues in Human Sexuality. 3 Credits. S
An examination of the social construction of sexuality and research methods and issues relevant to sexuality. These concepts are applied to various topics, such as defining and conceptualizing sex and gender, sexual dysfunction, sexual orientation, the social control of sexuality, sexual coercion and abuse, and abstinence-only sex education. The course does not cover anatomical or physiological aspects of sexuality. (Same as WGSS 689.) Prerequisite: Any previously completed course in PSYC or WGSS.

PSYC 690. Seminar: ______. 1-5 Credits. U
Discussion of current problems in psychological theory and research. Prerequisite: PSYC 104 and sophomore status.

PSYC 691. The Psychology of Aging. 3 Credits. S
Social, psychological, and economic adjustments required by aging; changes in cognition, role and personality necessitated by advancing age.
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 426 or POLS 306 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. S
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 ABCS 787, AMS 767, COMS 787, and SOC 767.)

PSYC 790. Statistical Methods in Psychology I. 4 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. Course consists of three hours of lecture and a required one-hour lab session where computing applications are taught. Prerequisite: A beginning course in statistics and graduate standing, or consent of instructor.

PSYC 791. Statistical Methods in Psychology II. 4 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. 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 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 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

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-

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 839. Palliative Care in Health Psychology. 3 Credits.
Based on the biopsychosocial model, this course focuses on the current practice of palliative care in community and hospital settings by health care professionals. Classes will be discussion based, centered on current issues and controversies in care of the chronically ill and dying. Recent research will be highlighted, as will cultural perspectives on death. Students will be expected to identify applicable literature for presentation and class discussion, along with assigned readings. 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 844. Mental Health and Aging. 3 Credits.
Reviews recent research and application in the field of mental health and aging. Theoretical perspectives appropriate for understanding mental health issues with increased age are discussed. The epidemiology, assessment, diagnosis, and treatment methods associated with a variety of mental health conditions are surveyed. The community mental health resources available for older adults are discussed as well as practically-related issues such as evaluations of functional independence and competency among older adults. Prerequisite: Graduate student in psychology or related health field, or permission of instructor.

PSYC 845. Impression Formation and Interpersonal Behavior. 3 Credits.
Intensive investigations of the processes involved in impression formation and of the effects of established impressions upon interpersonal communications. (Same as COMS 835.) Prerequisite: PSYC 670 or COMS 535.

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 848. Clinical Practicum VI: Health. 3 Credits.
Intensive clinical psychology practice, including group and individual supervision that may be taken either through Clinical Psychology or an approved site outside of the university. Focus is on the acquisition and demonstration of advanced therapy skills with a focus on acquiring core Health Psychology competencies. Graded on a satisfactory/unsatisfactory
basis. Prerequisite: PSYC 835 and PSYC 836 and graduate student in clinical health psychology specialty.

**PSYC 849. Clinical Practicum VII: Health. 3 Credits.**
Continuation of PSYC 848. Graded on a satisfactory/unsatisfactory basis. Prerequisite: PSYC 848 and graduate student in clinical health psychology specialty.

**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 860. Affective Science. 3 Credits.**
An in-depth analysis of current research and theory in affective bases of psychological science. Emphasis will be placed on basic research on emotion, culture, and psychopathology using a broad range of experimental, psychophysiological, and neural methods to test theories about affective psychological mechanisms underlying human behavior. Prerequisite: Graduate student in psychology or health-related fields.

**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 887. Factor Analysis. 4 Credits.**
This course covers the theory behind, and application of, exploratory factor analysis. Topics include a review of multiple linear regression and matrix algebra. In-depth coverage is devoted to diagrams, model specification, goodness of fit, model selection, parameter estimation, rotation methods, scale development, and sample size and power issues. Extensions to confirmatory settings are elaborated. Both the theory underlying factor analytic techniques and hands-on application using software are emphasized. Applications across the social and behavioral 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 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 889. Conceptual Issues in Human Sexuality. 3 Credits.**
An examination of the social construction of sexuality and research methods and issues relevant to sexuality. These concepts are applied to various topics, such as defining and conceptualizing sex and gender, sexual dysfunction, sexual orientation, the social control of sexuality, sexual coercion and abuse, and abstinence-only sex education. The course does not cover anatomical or physiological aspects of sexuality. (Same as WGSS 889.) Prerequisite: Six hours in WGSS and/or PSYC, or permission of instructor.

**PSYC 890. Foundations of the Mind. 3 Credits.**
Advances in cognitive psychology have illuminated the way in which we understand mind and mental processes and have the power to affect how we conduct our lives as moral beings (e.g., Are human beings alone in the animal kingdom in possessing minds?). In this graduate course, we will cover key historical and social events that shaped the field; when and how cognitive psychology became a science; and future directions of studying the mind, especially in light of cognitive neuroscience. Students will analyze and critically evaluate cognitive psychological theory, empirical research, and practice in a historical context, as well as develop ideas, critiques, and conclusions of their own on the accomplishments and prospects of the science of cognitive psychology. Readings and discussion include an analysis of significant theoretical, historical, and empirical work of topics in cognitive psychology, as well as the cognitive and brain sciences more generally.

**PSYC 893. Multivariate Analysis. 4 Credits.**
Introduction to the central methods used in the analysis of multivariate data. Includes linear transformations, multivariate analysis of variance, multivariate multiple regression, discriminant analysis, canonical correlation, factor analysis, and an introduction to methods for clustering and classification. Applications across the behavior and social 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 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 896. Structural Equation Modeling I. 4 Credits.**
Introduction to statistical methods for modeling latent variables. Topics include a review latent variables, covariance structures analysis, mean structures analysis, confirmatory factor analysis (CFA), structural equation modeling (SEM), multiple group CFA, longitudinal CFA, longitudinal SEM, Hierarchical CFA, and Multi-trait Multi-Method SEM. Applications across the behavioral and social 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 ABS 897.)

PSYC 898. Proseminar: Professional Issues in Clinical and Health Psychology. 1 Credits.
Discussion of current theoretical, empirical, and applied issues in clinical and 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/unsatisfactory 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 psychology, school psychology, and counseling psychology. (Same as ABS 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 demonstrate advanced clinical 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 ABS 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 ABS 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 ABS 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 and 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 psychology faculty and field staff clinicians. Required of all clinical 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 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 991. Longitudinal Data Analysis. 3 Credits.
Reviews and contrasts various statistical methods for the analysis of change. Course focuses on various techniques to analyze longitudinal (repeated-measures) data beyond the repeated-measures ANOVA framework. Techniques covered included latent change scores, latent difference scores, individual-differences modeling of latent residual and change scores, intra-individual differences modeling (e.g., growth curve, mixed modeling) and growth mixture modeling. Applications across the behavioral and social sciences are emphasized. Prerequisite: PSYC 896 or equivalent, or consent 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.