Overview
Psychology is the scientific study of behavior, consisting of the following major areas of study: experimental psychology, biopsychology, animal behavior, developmental psychology, social psychology, cognitive psychology, personality, industrial/organizational psychology and abnormal psychology.

Graduate Program
The Psychology department offers a Master of Arts (MA) degree in Psychology with an emphasis in clinical psychology that is earned en route to the doctor of philosophy (PhD) degree in Clinical Health Psychology. Our program trains students within the context of the scientist-practitioner model. That is, we value an integrated approach to both the science and practice of clinical psychology. Our training emphasizes the contribution of research to the understanding, treatment and prevention of human problems, and the application of knowledge that is grounded in scientific evidence.

Admissions
The application deadline for receipt of all student information is November 15 for the following fall. You are responsible for making sure all materials are in on time. International students should be sure to submit all materials at least two weeks before this deadline (by November 1) so that they arrive at our department on time.

Admission Requirements
- BA or BS from an accredited college or university, with a minimum GPA of 3.5 based on all college course work.
- Undergraduate courses at an accredited institution with a grade of 80% (B-) or higher in: introductory psychology, psychological statistics, research methods history of psychology and abnormal psychology. Additional courses in psychology are highly desirable; our admissions committee will also look favorably upon courses in the biological and physical sciences.
- Two official transcripts from each college and university attended.
- Graduate Record Exam (GRE): The GRE General Test (verbal, quantitative, analytical writing) is required. Most students in the program had a combined verbal and quantitative score of at least 1100 on the old GRE scoring system. The GRE should be taken at least six weeks before the November 15 deadline so that the scores arrive on time.
- Three letters of recommendation, at least two of which must be academic references. Applicants provide contact information for their references in the online application. Those individuals are automatically contacted electronically and asked to upload their recommendations directly to your application file.
- The online Graduate Application, including your resume/vita and personal statement.
- Application fee of $50 ($75 for international students).

Programs
- Psychology, Clinical Health Psychology, PhD (http://catalog.ucdenver.edu/cu-denver/graduate/schools-colleges-departments/college-liberal-arts-sciences/psychology/psychology-clinical-health-psychology-phd/)

Faculty
Professors:
Richard Allen, PhD, University of North Carolina at Chapel Hill
James Grigsby, PhD, University of Colorado
Mitchell M. Handelsman, PhD, University of Kansas
Peter S. Kaplan, PhD, Indiana University
Kevin S. Masters, PhD, Brigham Young University

Associate Professors:
David Albeck, PhD, University of Colorado
Elizabeth Sandlin Allen, PhD, University of North Carolina at Chapel Hill
Joy L. Berrenberg, PhD, University of Colorado
Sondra Bland, PhD, University of Texas
Kristin Kilbourn, PhD, University of Miami
Erik Oleson, PhD, Wake Forest University
Krista W. Ranby, PhD, Arizona State University
Amy Wachholtz, PhD, Bowling Green University
Jason Watson, PhD, Washington University
Michael Zinser, PhD, University of Wisconsin, Madison

Assistant Professors:
Benjamin Greenwood, PhD, University of Colorado, Boulder
Carly Leonard, PhD, Johns Hopkins University
Jonathan Schaffer, PhD, St. John's University
Sneha Thamotharan, PhD, Texas A&M University

Associate Professors, Clinical Teaching Track:
Joan Bihun, PhD, Wayne State University
Kevin Everhart, PhD, University of South Carolina

Assistant Professor, Clinical Teaching Track:
Vivian Shyu, PhD, University of Denver

Senior Instructor:
Athena Baca-Chieza, PsyD, Chicago School of Professional Psychology
Bethann Bierer, PhD, University of Denver

Emeritus Professors:
Rick M. Gardner, PhD, University of Nevada
Barbara Walker, PhD, The Ohio State University
Psychology (PSYC) Courses

PSYC 5164 - Psychology of Perception (3 Credits)
Studies sensory processes and perceptual variables. Covers processes related to vision, audition, gustomiation and olfaction. Prereq: PSYC 1000 and 2220 with a C- or higher or Graduate standing. Cross-listed with PSYC 4164. Max hours: 3 Credits.
Grading Basis: Letter Grade
Prereq: PSYC 1000 and PSYC 2220 with a C- or higher or Graduate standing

PSYC 5263 - Hormones and Behavior (3 Credits)
The hormonal regulation of behavior will be the primary focus of this course. Topics include: hormonal basis of sexual differentiation and behavioral differences, parental behavior, biological rhythms, aggression, mood and stress. Prereq: PSYC 1000 and 2220 with a C- or higher or Graduate standing. Cross-listed with PSYC 3263. Term offered: spring. Max hours: 3 Credits.
Grading Basis: Letter Grade
Prereq: PSYC 1000 and PSYC 2220 with a C- or higher or Graduate standing

PSYC 5264 - Exercise, Brain and Behavior (3 Credits)
This course explores the impact of physical activity status-being sedentary or physically active-on brain function and behavior. Topics include effects of exercise on cognitive function, mood disorders, stress, anxiety, sleep and drug addiction. Emphasis will be placed on understanding the neurobiological mechanisms by which exercise impacts behavior. Students who have received credit for this topic listed under PSYC 3600 may not receive credit for this course. Prereq: PSYC 1000 and PSYC 2220 with a C- or higher or Graduate standing. Term offered: fall. Cross-listed with PSYC 3264. Max hours: 3 Credits.
Grading Basis: Letter Grade
Prereq: PSYC 1000 and PSYC 2220 with a C- or higher or Graduate standing
Typically Offered: Fall.

PSYC 5265 - Drugs, Brain and Behavior (3 Credits)
Explores the pharmacological, biological, and behavioral basis of drug effects. Topics include mechanisms of drug action, brain reward pathways, role of environment and history on drug effects, and the impact of science on drug abuse and medication development. Prereq: PSYC 1000 and 2220 with a C- or higher or Graduate standing. Term offered: fall, spring, summer. Cross-listed with PSYC 3265. Max hours: 3 Credits.
Grading Basis: Letter Grade
Prereq: PSYC 1000 and PSYC 2220 with a C- or higher or Graduate standing

PSYC 5803 - Principles of Psychological Testing (3 Credits)
Principles underlying construction, validation, and use of tests of ability, intelligence, and personality and of attitude surveys. Covers statistical topics such as content and construct validity, item analysis, and reliability analysis. Prereq: Admission to psychology graduate program. Cross-listed with PSYC 4803. Max hours: 3 Credits.
Grading Basis: Letter Grade
Restrictions: Restricted to Graduate majors in PSYC and PSYH.

PSYC 5822 - Aging, Brain and Behavior (3 Credits)
Examines the aging process, behavioral changes during senescence and the accompanying changes in the aged brain. Changes that are part of healthy aging are studied, as will age-related brain disorders. Prereq: PSYC 1000 and 2220 with a C- or higher or Graduate standing. Cross-listed with PSYC 3822. Term offered: fall. Max hours: 3 Credits.
Grading Basis: Letter Grade
Prereq: PSYC 1000 and PSYC 2220 with a C- or higher or Graduate standing

PSYC 5840 - Independent Study PSYC (1-3 Credits)
Note: Students must submit a special processing form completely filled out and signed by the student and faculty member, describing the course expectations, assignments and outcomes, to the Graduate School for approval. Repeatable. Max Hours: 12 Credits.
Grading Basis: Letter Grade
Repeatable. Max Credits: 12.

PSYC 5880 - Directed Research (1-6 Credits)
Students will engage in original research projects supervised and mentored by faculty. Students must work with faculty prior to registration to develop a proposal for their project and receive permission to take this course. Note: Students must submit a special processing form completely filled out and signed by the student and faculty member, describing the course expectations, assignments and outcomes, to the Graduate School for approval. Repeatable. Max Hours: 6 Credits.
Grading Basis: Letter Grade

PSYC 5939 - Internship (1-6 Credits)
Note: Students must submit a special processing form completely filled out and signed by the student and faculty member, describing the course expectations, assignments and outcomes, to the Graduate School for approval. Repeatable. Max Hours: 12 Credits.
Grading Basis: Letter Grade
Repeatable. Max Credits: 12.

PSYC 5990 - Topics in Psychology (1-3 Credits)
Advanced study of special topics to be selected by the instructor. Note: May be repeated for credit. Prereq: Permission of instructor. Cross-listed with PSYC 4990. Repeatable. Max Hours: 3 Credits.
Grading Basis: Letter Grade
Repeatable. Max Credits: 3.
Restrictions: Restricted to Graduate majors in PSYC and PSYH.

PSYC 6200 - Developmental Psychopathology (3 Credits)
The study and prediction of maladaptive behaviors and processes across time. Students develop a sophisticated understanding of important concepts related to emotional and behavioral problems in children and adolescents, including DSM-IV-TR diagnostic criteria and the basic tenets of successful intervention. Prereq: Admission to the Psychology MA, Clinical program or the Clinical Health Psychology Ph.D. program or with permission of instructor and graduate program director. Max hours: 3 Credits.
Grading Basis: Letter Grade
Restrictions: Restricted to Graduate majors in PSYC and PSYH.
PSYC 6840 - Independent Study (1-3 Credits)
A structured experience, planned and implemented with the assistance of a sponsoring faculty member in ongoing programs of research or other scholarly activity. Note: Students must submit a special processing form completely filled out and signed by the student and faculty member, describing the course expectations, assignments and outcomes, to the Graduate School for approval. Repeatable. Max Hours: 12 Credits.
Grading Basis: Letter Grade
Repeatable. Max Credits: 12.

PSYC 6841 - Independent Study. PSYC (1-3 Credits)
Note: Students must submit a special processing form completely filled out and signed by the student and faculty member, describing the course expectations, assignments and outcomes, to the Graduate School for approval. Repeatable. Max Hours: 9 Credits.
Grading Basis: Letter Grade
Repeatable. Max Credits: 12.

PSYC 6910 - Research Practicum (3 Credits)
Note: Students must submit a special processing form completely filled out and signed by the student and faculty member, describing the course expectations, assignments and outcomes, to the Graduate School for approval. Repeatable. Max Hours: 12 Credits.
Grading Basis: Letter Grade
Repeatable. Max Credits: 12.

PSYC 6930 - Clinical Internship (1-6 Credits)
Clinical experience in a setting which provides supervision by qualified professionals. Students participate in assessment, intervention, and/or evaluation and research. Note: Students must submit a special processing form completely filled out and signed by the student and faculty member, describing the course expectations, assignments and outcomes, to the Graduate School for approval. Term offered: fall, spring, summer. Max hours: 6 Credits.
Grading Basis: Letter Grade
Repeatable. Max Credits: 12.

PSYC 6950 - Master's Thesis (1-6 Credits)
Note: Students must submit a special processing form completely filled out and signed by the student and faculty member, describing the course expectations, assignments and outcomes, to the Graduate School for approval. Term offered: fall, spring, summer. Repeatable. Max hours: 6 Credits.
Grading Basis: Letter Grade with IP

Additional Information: Report as Full Time.

PSYC 7144 - Advanced Cognition and Emotion (3 Credits)
An overview of contemporary psychological theories and research in human learning, memory, cognition, and emotion. Emphasis on cognitive and affective neuroscience and the physiological-psychological organization of functional systems. Restrictions: Restricted to Graduate majors in PSYC and PSYH. Term offered: spring. Max hours: 3 Credits.
Grading Basis: Letter Grade
Restrictions: Restricted to Graduate majors in PSYC and PSYH.

PSYC 7205 - Advanced Developmental Psychology (3 Credits)
A survey of neurobiological, cognitive, social and cultural processes in human development from conception through adulthood. Prereq: Admission to the Psychology MA, Clinical program or Clinical Health Psychology Ph.D. program or with permission of instructor and a graduate program director. Term offered: fall. Max hours: 3 Credits.
Grading Basis: Letter Grade
Prereq: Admission to the Clinical Health Psychology Ph.D. Program or with Permission of instructor and Graduate program director

PSYC 7220 - Advanced Biological Bases of Behavior (3 Credits)
Survey course of advances in psychobiology which inform our understanding of the brain and behavior with special emphasis on perception, action, and cognition. A major goal of the course is to foster appreciation of the importance of interdisciplinary research. Restrictions: Restricted to Graduate majors in PSYC and PSYH. Term offered: fall. Max hours: 3 Credits.
Grading Basis: Letter Grade
Restrictions: Restricted to Graduate majors in PSYC and PSYH.

PSYC 7260 - Health Psychology I (3 Credits)
Part I of a 2-course sequence. Presents crucial aspects of health psychology and behavioral medicine, including theoretical models, anatomy and physiology, epidemiology, health promotion and primary prevention of medical problems. Restrictions: Restricted to Graduate majors in PSYC and PSYH. Term offered: fall. Max hours: 3 Credits.
Grading Basis: Letter Grade
Restrictions: Restricted to Graduate majors in PSYC and PSYH.

PSYC 7350 - Psychotherapy I (3 Credits)
Surveys some of the major schools of psychotherapy, including cognitive and cognitive-behavioral therapies as well as motivational interviewing. Coverage also includes therapy techniques, process of therapy, and treatment-outcome research. Prereq: Admission to the Psychology MA, Clinical program or the Clinical Health Psychology Ph.D. program or with permission of instructor and graduate program director. Term offered: spring. Max hours: 3 Credits.
Grading Basis: Letter Grade
Restrictions: Restricted to Graduate majors in PSYC and PSYH.

PSYC 7360 - Psychotherapy II (3 Credits)
Theoretical approaches and techniques used in research, assessment and treatment of major forms of psychopathology, including anxiety, depression, schizophrenia and substance abuse, as well as marital problems and childhood disorders. Restrictions: Restricted to Graduate majors in PSYC and PSYH. Term offered: fall. Max hours: 3 Credits.
Grading Basis: Letter Grade
Restrictions: Restricted to Graduate majors in PSYC and PSYH.

PSYC 7400 - Child Assessment (3 Credits)
Psychometric theory and practice in assessment of children with focus on the diagnostics, the WISC-III, and personality assessment. Restrictions: Restricted to Graduate majors in PSYC and PSYH. Max hours: 3 Credits.
Grading Basis: Letter Grade
Restrictions: Restricted to Graduate majors in PSYC and PSYH.
Philosophical and historical antecedents to contemporary psychology, (3 Credits)

Students practice interviewing and develop skills, including the ability to
listen actively, to critique their own work and the work of others, and to
think carefully about issues that arise in clinical work with clients. Prereq: Admission to the Psychology MA, Clinical program or the Clinical Health Psychology Ph.D. program or with permission of instructor and graduate program director. Term offered: spring. Max hours: 3 Credits.
Grading Basis: Letter Grade
Restrictions: Restricted to Graduate majors in PSYC and PSYH.

PSYC 7730 - Ethics and Professional Issues in Psychology (3 Credits)
An in-depth exploration of the values and ethical ideas that guide
professional practice in psychology, including philosophical ethical
principles and professional codes of conduct. Specific topics include
confidentiality, informed consent, competence, and respect for persons.

PSYC 7780 - Research Methods (3 Credits)
Designs, measurement, and analysis of controlled interventions and
evaluations. Emphasis on multivariable analysis of variance, orthogonal
contrasts, post-hoc tests, multiple regression, and analysis of co-
variance. Prereq: admission to the Psychology MA, Clinical program
or the Clinical Health Psychology Ph.D. program or with permission of
instructor and graduate program director. Term offered: fall. Max hours: 3
Credits.
Grading Basis: Letter Grade
Restrictions: Restricted to Graduate majors in PSYC and PSYH.

PSYC 7830 - Clinical Interviewing (1-3 Credits)
Students practice interviewing and develop skills, including the ability to
listen actively, to critique their own work and the work of others, and to
think carefully about issues that arise in clinical work with clients. Prereq:
Admission to the Psychology MA, Clinical program or the Clinical Health
Psychology Ph.D. program or with permission of instructor and graduate
program director. Repeatable. Max Credits: 3.
Grading Basis: Letter Grade
Repeatable. Max Credits: 3.
Restrictions: Restricted to Graduate majors in PSYC and PSYH.
PSYC 7910 - Clinical Practicum (1-3 Credits)
Clinical experience under supervision of licensed, doctoral-level professionals. Students participate in assessment, intervention, and/or evaluation and research in a variety of settings. Note: All field placements must be approved by the Director of Clinical Training (DCT) in advance of registration. Students should enroll in 1 credit hour during year one (spring and summer semesters only) and 3 credit hours during years two (fall, spring, and summer semesters) and three (fall semester only). A total of 14 credit hours of PSYC 7910 are required. Restrictions: Restricted to Graduate majors in PSYC and PSYH. Term offered: fall, spring, summer. Repeatable. Max Hours: 14 Credits.
Grading Basis: Letter Grade
Restrictions: Restricted to Graduate majors in PSYC and PSYH.

PSYC 7911 - Clinical Practicum II (1-6 Credits)
Clinical experience under supervision of licensed, doctoral-level professionals. Students participate in assessment, intervention, and/or evaluation and research in a variety of settings. Note: All field placements must be approved by the Director of Clinical Training (DCT) in advance of registration. Restrictions: Restricted to Graduate majors in PSYC and PSYH. Term offered: fall, spring, summer. Repeatable. Max Hours: 6 Credits.
Grading Basis: Letter Grade
Restrictions: Restricted to Graduate majors in PSYC and PSYH.

PSYC 8100 - Clinical Behavioral Medicine (3 Credits)
Presents basic assessment and psychotherapeutic techniques used for patients with various disorders, focusing on cognitive-behavioral methods and the unique needs of patients experiencing chronic disease. Restrictions: Restricted to Graduate majors in PSYC and PSYH. Term offered: spring. Max hours: 3 Credits.
Grading Basis: Letter Grade
Restrictions: Restricted to Graduate majors in PSYC and PSYH.

PSYC 8200 - Teaching Skills Workshop (3 Credits)
Students will learn, explore, and practice the basic principles and strategies of good teaching. We will also explore research and theory for teaching at the college level. Restrictions: Restricted to Graduate majors in PSYC and PSYH. Term offered: spring. Max hours: 3 Credits.
Grading Basis: Letter Grade
Restrictions: Restricted to Graduate majors in PSYC and PSYH.

PSYC 8262 - Health Psychology II (3 Credits)
Part II of a 2-course sequence. Further aspects of health psychology and behavioral medicine, including health service utilization, patient-provider relationships, social support, terminal illness and issues related to chronic disease states. Restrictions: Restricted to Graduate majors in PSYC and PSYH. Term offered: fall. Max hours: 3 Credits.
Grading Basis: Letter Grade
Restrictions: Restricted to Graduate majors in PSYC and PSYH.

PSYC 8501 - Primary Care Psychology (3 Credits)
Examines emerging trends in the role of professional psychology and psychologists serving as health care providers in primary care medical settings. Knowledge, skills and attitudes as they apply to competencies unique to primary care will be covered. Prereq: PSYC 7262 and PSYC 8262 and PSYH 7730 with a B- or higher. Restrictions: Restricted to PSYH-PHD majors within the College of Liberal Arts and Sciences. Max hours: 3 Credits.
Grading Basis: Letter Grade
Prereq: PSYC 7262 and PSYC 8262 and PSYH 7730 with a B- or higher
Restriction: Restricted to PSYH-PHD majors within the College of Liberal Arts and Sciences

PSYC 8502 - Cardiovascular Health Psychology (3 Credits)
The course focuses on research and clinical practice regarding psychological factors related to cardiovascular functioning and disease. The physiology of the cardiovascular system will be presented and primary and secondary prevention as related to psychological functioning will be emphasized. Restrictions: Restricted to Graduate majors in PSYC and PSYH. Term offered: fall. Max hours: 3 Credits.
Grading Basis: Letter Grade
Restrictions: Restricted to Graduate majors in PSYC and PSYH.

PSYC 8503 - Group Interventions in Health Psychology (3 Credits)
The course will serve as an introduction to group psychotherapy and group process principles with a focus on the design, implementation and delivery of evidence-based group interventions in the field of Clinical Health Psychology. Restrictions: Restricted to Graduate majors in PSYC and PSYH. Term offered: fall. Max hours: 3 Credits.
Grading Basis: Letter Grade
Restrictions: Restricted to Graduate majors in PSYC and PSYH.

PSYC 8504 - Advanced Psychopharmacology (3 Credits)
In this course, we explore topics in psychopharmacology that builds upon psychopathology knowledge by identifying neurological and physiological pathways that affect cognition and psychological health and how these pathways are affected by pharmacology. The focus is on examining and critically analyzing conceptual, theoretical, and practical aspects of psychopharmacology and psychophysiology as well as how to apply these concepts to medically ill patients in psychotherapy. Restriction: Admission to the Clinical Health Psychology PhD program or with permission of instructor and graduate program director. Max hours: 3 Credits.
Grading Basis: Letter Grade
Restrictions: Restricted to Graduate majors in PSYC and PSYH.

PSYC 8550 - Advanced Social Psychology (3 Credits)
This is a graduate level seminar that broadly covers the social bases of behavior from a social psychological perspective. It includes discussion of topics such as group processes, attribution theory, discrimination, and perspectives on attitudes. Restrictions: Restricted to Graduate majors in PSYC and PSYH. Term offered: spring. Max hours: 3 Credits.
Grading Basis: Letter Grade
Restrictions: Restricted to Graduate majors in PSYC and PSYH.

PSYC 8910 - Advanced Clinical Practicum (1-4 Credits)
Advanced clinical experience under supervision of licensed, doctoral-level professionals. Students participate in assessment, intervention, and/or evaluation and research in a variety of health care settings to address the interface between physical and psychological functioning. Note: All field placements must be approved by the Director of Clinical Training (DCT) in advance of registration. Students should enroll in 3 credit hours during years three (spring and summer semesters only) and four (fall and spring semesters only). A total of 12 credit hours of PSYC 8910 are required. Restrictions: Restricted to Graduate majors in PSYC and PSYH. Term offered: fall, spring, summer. Repeatable. Max Hours: 12 Credits.
Grading Basis: Letter Grade
Repeatable. Max Credits: 12.
Restrictions: Restricted to Graduate majors in PSYC and PSYH.
PSYC 8938 - Pre-Doctoral Internship (1-3 Credits)
Intensive full-time clinical experience with supervision by licensed, doctoral-level professionals. Interns participate in assessment, intervention, and/or evaluation and research in a variety of settings. Students apply through the Association of Psychology Postdoctoral and Internship Centers (APPIC) national matching process. Note: All field placements must be approved by the Director of Clinical Training (DCT) in advance of registration. Restrictions: Restricted to Graduate majors in PSYC and PSYH. Term offered: fall, spring, summer. Repeatable. Max Hours: 12 Credits.
Grading Basis: Letter Grade
Repeatable. Max Credits: 12.
Restrictions: Restricted to Graduate majors in PSYC and PSYH.

PSYC 8990 - Doctoral Dissertation (1-10 Credits)
Independent research on the doctoral dissertation in Clinical Health Psychology. Prereq: Admission to the Clinical Health Psychology Ph.D. Program. Note: Students must submit a special processing form completely filled out and signed by the student and faculty member, describing the course expectations, assignments and outcomes, to the Graduate School for approval. Term offered: fall, spring, summer. Repeatable. Max hours: 10 Credits.
Grading Basis: Letter Grade with IP
Repeatable. Max Credits: 10.
Additional Information: Report as Full Time.