PSYCHOLOGY

Undergraduate Program Information

Students may take a major in psychology either as an area of emphasis in a liberal arts program or in preparation for further graduate education leading to professional careers in psychology. A major in psychology may be appropriate for the liberal arts student who wishes to pursue a career involving extensive social interaction and requiring solutions to people-related problems. Such careers include law, business, parenting, government, education, and management. Professional careers in psychology generally require some post-baccalaureate education. These careers include provision of clinical and counseling services, conducting research, applying research findings in industrial or government settings, and doing teaching and research in colleges and universities. All students, but especially those planning to apply to graduate school, are encouraged to take PSY 310 Experimental Methods, no later than the Spring semester of their junior year.

Requirements for the Bachelor of Arts in Psychology are listed here (http://catalogs.nmsu.edu/nmsu/arts-sciences/psychology/psychology-bachelor-arts). Satisfying these requirements should provide an adequate exposure to psychology for the liberal arts student and a basic foundation for students seeking a career in psychology. Students wishing to prepare for a professional career in psychology are especially encouraged to work closely with an advisor, as early as possible.

Graduate Program Information

Admission

The Department of Psychology offers graduate work leading to the Master of Arts and Doctor of Philosophy degrees. To maximize consideration for admittance, candidates should submit applications by January 15. Note that the Psychology Department does not offer training in counseling or clinical psychology.

Students will be admitted to graduate study on the basis of their potential for achievement in research, scholarship and teaching. The most promising applicants will be accepted. The number of students that the department can successfully accommodate is limited, therefore it will not always be possible to admit all qualified applicants. The admissions committee will consider any material that a candidate for admission wishes to present.

Students with bachelor degrees should apply for admittance to the master's program even if their eventual goal is a Ph.D. Students with a master's degree in psychology-related disciplines or from other institutions may apply directly to the Ph.D. program.

A completed Graduate School admission application (https://gradschool.nmsu.edu/apply) (online only) should include all of the following:

1. Complete transcripts of all college work (minimum 3.0 GPA).
2. Scores on the General Graduate Record Examination. Applicants to the MA program are most likely to be considered with minimum scores of 155 Verbal, 156 Quantitative, and 4.5 Analytical Writing. Applicants to the PhD program are most likely to be admitted with minimum scores of 158 Verbal, 159 Quantitative, and 4.5 Analytical Writing. Scores on the GRE Psychology test are not required.
3. Three letters of recommendation from professors, employers or others qualified to evaluate your potential for graduate work.
4. A letter explaining your research interests and experience, career goals, and an indication of the faculty member(s) whose work is of particular interest to you.
5. A curriculum vitae or résumé.
6. A writing sample (e.g., a paper you wrote for a course, a senior thesis, or a master's thesis) uploaded through online application system. Ideally, the sample should demonstrate your ability to write clearly about psychological research.

As per NMSU Graduate School policy, admission to the doctoral program is conditional upon passing a qualifying exam. In Psychology this generally involves giving a presentation about a completed, empirical Masters thesis project to an examining committee. Also, If there are perceived gaps in preparedness, once at NMSU, candidates may be asked to complete certain coursework/research projects to address deficiencies.

A number of potential minors are available to interested students, including a minor in statistics (http://catalogs.nmsu.edu/nmsu/business/economics-applied-statistics-international-business/applied-statistics-graduate-minor). Additional information about a minor may be found in the listing of the home department in this catalog.

Degrees for the Department

Psychology - Bachelor of Arts

Experimental Psychology - Master of Arts (http://catalogs.nmsu.edu/nmsu/arts-sciences/psychology/experimental-psychology-master-arts)

Experimental Psychology - Doctor of Philosophy (http://catalogs.nmsu.edu/nmsu/arts-sciences/psychology/experimental-psychology-doctor-philosophy)

Minors for the Department

Psychology - Undergraduate Minor (http://catalogs.nmsu.edu/nmsu/arts-sciences/psychology/psychology-undergraduate-minor)

Psychology - (http://catalogs.nmsu.edu/nmsu/arts-sciences/psychology/psychology-graduate-minor) Graduate Minor (http://catalogs.nmsu.edu/nmsu/arts-sciences/psychology/psychology-graduate-minor)

Associate Professor, Dominic A. Simon, Department Head

Professors: Trafimow; Associate Professors: Guynn, Hout, Ketelaar, Kroger, MacDonald, Madson, Marks; Assistant Professors: Fraune; Emeritus Faculty: Cowie, Johnston, McDonald, Paap, Schvaneveldt, Stephan, Thompson.

Psychology Courses

PSY 201G. Introduction to Psychology
3 Credits
Methods and principles of behavior. Topics include human evolution and development, biopsychology, perception, learning, thinking, motivation, social interaction, and the diagnosis and treatment of abnormal behavior.

PSY 211. Introduction to Research
1 Credit
Introductory skills in library and on-line research. Emphasizes the scientific method including oral and written presentation of research according to the APA Style Handbook. Does not replace PSY 310 as requirement in B.A. degree. Community Colleges only.

PSY 266. Applied Psychology
3 Credits
Explanation of the psychological principles of everyday living. Emphasizes motivation, learning of intelligent behavior, and applications of psychology to social issues. Community Colleges only.

PSY 274. A Study of Substance Abuse through Service Learning
3 Credits
Physiological and psychological impact of drug use on human behavior. Emphasizes practical applications of intervention and prevention in the community. Community Colleges only.

PSY 290. Psychology of Adjustment
3 Credits
Analyzes the responses people have to conflict, emotional stress, and frustration. It focuses on adapting to these problems and examines both normal and neurotic responses. Community College campus only.

PSY 301. Introduction to Psycholinguistics
3 Credits
Psychological aspects of language, including linguistic theories of grammar, psychological factors influencing language performance, primary language acquisition and the relationship of language to thought processes. Same as LING 301.
Prerequisite(s): PSY 201G and one of: STAT 251G, STAT 271G, or A ST 311; and PSY 310 or consent of instructor.

PSY 302. Abnormal Psychology
3 Credits
Introduces the types, causes, and treatment of mental disorders. Descriptions and explanations of the neuroses, affective disorders and the psychoses. Case histories are also analyzed.
Prerequisite(s): PSY 201G, MATH 120 and ENGL 111G.

PSY 310. Experimental Methods
4 Credits (2+4P)
The basic skills of literature search, experimental design, research methodology, and research reporting are emphasized; includes laboratory.
Prerequisite(s): PSY 201G, and either STAT 251G, STAT 271G, or A ST 311.

PSY 311. Advanced Research Seminar
4 Credits (2+4P)
Psychological research in conjunction with designing, conducting, writing, and presenting an independent research project. May also include various computer applications. Will discuss issues regarding application to graduate programs. Course should be taken no later than the first semester of senior year.
Prerequisite: PSY 310.

PSY 315. Emotion
3 Credits
An overview of the past century of research on human emotion from William James to Antonio Damasio. Explores a cognitive science perspective on emotion that includes questions about developmental, physiological, and evolutionary aspects of emotion and an exploration of the proximate and ultimate functions of emotion. Topics range from understanding the feeling component of emotion to understanding the role of facial displays of emotion.
Prerequisite(s): PSY 201G, and one of: STAT 251G, STAT 271G, or A ST 311, and PSY 310 or consent of instructor.

PSY 317. Social Psychology
3 Credits
Ways in which people are influenced by the behavior of others are analyzed. Includes aggression, altruism, conformity, attraction, sexual behavior, prejudice, and nonverbal behavior.
Prerequisites: PSY 201G, MATH 120, and ENGL 111G.

PSY 320. Learning
4 Credits (3+2P)
Covers: habituation, Pavlovian conditioning, Thorndikian learning, stimulus generalization, transfer of training, and the learning and forgetting of related and unrelated material.
Prerequisite(s): PSY 201G, and one of: STAT 251G, STAT 271G, or A ST 311, and PSY 310.

PSY 321. Psychology of Personality
3 Credits
Introduces personality theories and supporting research. Psychoanalytic, physiological, and behavioral theories as they apply to personality are examined. Focuses on normal personality functioning.
Prerequisite(s): PSY 201G, and one of: STAT 251G, STAT 271G, or A ST 311, and PSY 310.

PSY 324. Sexual Behavior
3 Credits
Examines viewpoints of the evolution, control and function of human sexual behavior. Includes human sexuality, reproduction, male-female conflicts and the social implications of sex. Prerequisites: PSY 201G, MATH 120, and ENGL 111G.

PSY 325. Health Psychology
3 Credits
Life stress, surgical stress, coronary-prone behavior, biofeedback, pain control, psychosocial approaches to geriatrics and cancer, behavioral treatments for addictions, obesity, and interpersonal issues in health care.
Prerequisite: PSY 201G.

PSY 330. Psychology and the Law
3 Credits
Discretionary practices in the judicial system including pretrial procedures, jury selection, jury decision making, eyewitness testimony, insanity, expert witnesses, and probation judgments.
Prerequisite: PSY 201G.

PSY 340. Cognitive Psychology
3 Credits
Review of research and theory in the study of human cognitive processes. Topics include information processing, pattern recognition, memory, attention, language, problem solving, decision making, and reasoning. May be repeated up to 3 credits.
Prerequisite(s): PSY 201G, MATH 120, and ENGL 111G.
PSY 342. Cognitive Neuroscience  
3 Credits  
Introduction to the study of the neural mechanisms underlying cognitive processes. Topics include relations between neural processes and attention, perception, memory, thinking and language; measuring changes in electrical activity, blood flow, and metabolism in the brain during cognition; the problem of consciousness; and evolutionary perspectives.  
Prerequisites: PSY 201G and PSY 310.

PSY 350. Developmental Psychology: Conception through Childhood  
3 Credits  
Covers a wide range of topics concerning human psychological development from conception through childhood with special emphasis on current research and theory. May be repeated up to 3 credits.  
Prerequisite(s): PSY 201G, MATH 120, and ENGL 111G.

PSY 351. Developmental Psychology: Adolescence through Old Age  
3 Credits  
Covers a wide range of topics concerning human psychological development from adolescence through old age with special emphasis on current research and theory.  
Prerequisite: PSY 201G.

PSY 359. Psychology of Gender  
3 Credits  
Examines theories and research on the psychological functioning of women and men in North American society, including influential theories of gender in psychology and current controversies in the psychological literature. Topics include those unique to women and men in development across the lifespan, work, physical and mental health, sexuality, victimization, gender stereotypes, gender comparisons in abilities and personality, and biological, social, and cultural influences on behavior. May be repeated up to 3 credits. Crosslisted with: W S 359.  
Prerequisite(s): PSY 201G.

PSY 370. Special Topics  
1-3 Credits  
May be taken under different subtitles announced in the Schedule of Classes for unlimited credit. May be repeated for a maximum of 12 credits.  
Prerequisite: PSY 201G.

PSY 375. Psychology and the Brain  
3 Credits  
An exploration of how the brain produces thinking, emotion, and behavior. May be repeated up to 3 credits.  
Prerequisite(s): PSY 201G, MATH 120 and ENGL 111G.

PSY 376. Evolutionary Psychology  
3 Credits  
This course introduces the student to the science of Evolutionary Psychology. In this class we will explore how evolutionary psychologists think about a variety of topics ranging from our capacity for (and appreciation of) art, emotions, and beauty to an exploration of the "design" of our minds in regards to mating, status striving, social behavior and cultural production.  
Prerequisite(s): PSY 201G, and one of: STAT 251, STAT 271, or A ST 311G, and PSY 310 or consent of instructor.

PSY 380. Perception  
4 Credits (4+4P)  
Primary emphasis on vision. Topics include measurement of sensations, development of visual-motor coordination, reading, speech perception, picture perception, illusions, 3-dimensional space, and causes and consequences of visual abnormalities.  
Prerequisites: PSY 201G, and one of: STAT 251G, STAT 271G, or A ST 311, and PSY 310.

PSY 383. Memory  
3 Credits  
Examines facets of human memory from the information processing viewpoint, including encoding, storage, and retrieval and memory-aiding techniques.  
Prerequisites: PSY 201G, and one of: STAT 251G, STAT 271G, or A ST 311, and PSY 310 or consent of instructor.

PSY 385. Human Factors & Engineering Psychology  
3 Credits  
Human Factors/Engineering Psychology is concerned with discovering and applying scientific principles about human abilities and their limitations with the aim of designing tools, machines, systems, tasks and environments in order to make them productive, effective, and safe for users.  
Prerequisite(s): PSY 310.

PSY 400. Research  
1-3 Credits  
Individual research projects supervised by a department faculty member. May be repeated for a maximum of 6 credits.  
Prerequisites: PSY 310 and consent of instructor.

PSY 401. Directed Readings  
1-3 Credits  
May be repeated for a maximum of 6 credits.  
Prerequisites: PSY 201G and consent of instructor.

PSY 402. Field Experience  
1-3 Credits  
Working with preschool, juvenile delinquent, handicapped, aged, convict, or mentally ill. Approximately five hours scheduled work per week per credit. May be repeated to 6 credits.  
Prerequisites: 6 psychology credits and consent of instructor.

PSY 417V. Intercultural Relations  
3 Credits  
Exploration of cultural and subcultural differences from a psychological perspective. Emphasis on modern cultural settings. Issues may include: ethnocentrism, stereotyping, intercultural communication, culture shock, cultural differences, nonverbal behavior, conflict management, and developing intercultural interaction skills.  
Prerequisite: PSY 201G.

PSY 430. Human-Computer Psychology  
3 Credits  
Theories, methodologies, and data from psychology applicable to interface design, with an emphasis on construction and application of conceptual psychological models.  
Prerequisites: PSY 201G, and one of: STAT 251G, STAT 271G, or A ST 311, and PSY 310 or consent of instructor.
PSY 440. History and Systems of Psychology
3 Credits
History of scientific method emphasizing outstanding methodological problems of contemporary science, especially psychology. Also covers recent history of psychology and development of schools of psychology.
Prerequisites: PSY 201G, and one of: STAT 251G, STAT 271G, or A ST 311, and PSY 310 or consent of instructor.

PSY 442. Thinking
3 Credits
Research and theory pertaining to human thinking and problem solving. Effective problem-solving methods and common obstacles to problem solving are analyzed.
Prerequisites: PSY 201G and PSY 310.

PSY 445. Clinical Psychology
3 Credits
Basic theories in clinical psychology and techniques of psychotherapy.
Prerequisites: PSY 201G, PSY 302, and one of: STAT 251G, STAT 271G, or A ST 311, and PSY 310 or consent of instructor.

PSY 450. Senior Thesis
3 Credits
A laboratory or field research project conducted under faculty supervision. Requires written research proposal, conduct of research, data analysis, and final written report. May be repeated for a maximum of 6 credits.
Prerequisites: PSY 310, 6 additional psychology credits, consent of supervising faculty member, and junior or above standing.

PSY 470. Special Topics
1-3 Credits
Specific subjects to be announced in the Schedule of Classes. May be repeated for a maximum of 12 credits.

PSY 507. Quantitative Methods in Psychology I
3 Credits
Statistical concepts emphasizing distributions and methods most appropriate to the data, models, and theories in psychology. Emphasis on distributions, probability and basic inferential statistics in Psychological research.
Prerequisite(s): An elementary statistics course or consent of instructor.

PSY 508. Quantitative Methods in Psychology II
3 Credits
Statistical concepts emphasizing distributions and methods most appropriate to the data, models, and theories in psychology. Emphasis on Analysis of Variance (ANOVA) in Psychological research.
Prerequisite(s): PSY 507 or equivalent.

PSY 509. Quantitative Methods in Psychology III
3 Credits
Statistical concepts emphasizing distributions and methods most appropriate to the data, models, and theories in psychology. Emphasis on multiple regression in Psychological research.
Prerequisite(s): PSY 507 or equivalent.

PSY 510. Computer Methodology
3 Credits
Use of computers in psychological research with emphasis on developing experimental control programs.

PSY 520. Learning
3 Credits
Classical areas of learning, including instrumental and classical conditioning paradigms, habituation, reinforcement variables, stimulus generalization and transfer, and memory.

PSY 522. Sensation and Perception
3 Credits
Stimulus and decision variables in judging auditory and visual events. Topics include: detection of signals; signal intensity versus perceived strength; size, shape, and movement perception; reading and listening.

PSY 523. Methods in Cognitive Psychology
3 Credits
Experimental and correlational methodologies appropriate for investigating cognitive psychological theories and problems.
Prerequisite(s): PSY 524 or consent of instructor.

PSY 524. Cognitive Psychology
3 Credits
Examines theoretical and empirical work on human cognition. Topics include: information processing theories, pattern recognition, memory, attention, language, problem solving, decision making, and reasoning.

PSY 525. Behavioral Neuroscience
3 Credits
The biological basis of behavior with an emphasis on human cognitive functioning.

PSY 527. Social Psychology
3 Credits
Current and traditional theories, research findings, and research methodologies of social psychology.

PSY 529. Methods in Social Psychology
3 Credits
Experimental, quasi-experimental, and correlational methodologies appropriate for investigating social psychological theories and problems.
Prerequisite(s): Graduate student in psychology or consent of instructor.

PSY 530. Human-Computer Interaction
3 Credits
Issues associated with human-computer interface design. Concepts, methods, and data from HCI, cognitive psychology, human factors, artificial intelligence, and psycholinguistics that apply.

PSY 531. Human Memory
3 Credits
Current and traditional theories and research findings related to human memory.

PSY 540. History and Systems of Psychology
3 Credits
History of scientific method emphasizing outstanding methodological problems of contemporary science, especially psychology. Covers recent history of psychology and development of schools of psychology.

PSY 543. Cognitive Neuroscience
3 Credits
Introduction to the study of the neural mechanisms underlying cognitive processes. Topics include relations between neural processes and attention, perception, memory, thinking and language; measuring change in electrical activity, blood flow, and metabolism in the brain during cognition; the problem of consciousness; and evolutionary perspectives.

PSY 547. Engineering Psychology
3 Credits
Covers concepts, methods, and findings of human performance. Treats the human as a subsystem that receives, stores and processes information, makes decisions, and acts within a human-machine environment system.
PSY 548. Methods in Engineering Psychology
3 Credits
Engineering psychology methods such as task analysis, cognitive task analysis, user testing, prototyping, protocol analysis, cost-benefit analysis, safety and reliability analysis, and multivariate techniques.
Prerequisite(s): PSY 547 or consent of instructor.

PSY 550. Teaching of Psychology
3 Credits
This class serves both new and experienced teachers. It will help new teachers design and conduct a successful course and help experienced teachers improve their teaching.

PSY 570. Special Topics
1-3 Credits
Specific subjects to be announced in the Schedule of Classes.

PSY 590. Research Seminar in Psychology
1 Credit (1)
Presentations on research by students, faculty, and guest speakers. May be repeated for credit.

PSY 598. Special Research Programs
1-3 Credits
Individual investigations either analytical or experimental. May be repeated for credit.

PSY 599. Master's Thesis
1-15 Credits
Thesis.

PSY 600. Doctoral Research
1-15 Credits
This course number is used for assigning credit for research performed prior to successful completion of the doctoral qualifying examination.

PSY 698. Special Research Programs
1-3 Credits
Individual investigations either analytical or experimental. May be repeated for credit.

PSY 700. Doctoral Dissertation
1-15 Credits
Dissertation.

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