

# Psychology

M.A. in Forensic Psychology (<https://catalog.und.edu/graduateacademicinformation/departmentalcoursesprograms/psychology/psych-fp-ma/>)

M.S. in Forensic Psychology (<https://catalog.und.edu/graduateacademicinformation/departmentalcoursesprograms/psychology/psych-fs-ms/>)

M.S. in Psychology (<https://catalog.und.edu/graduateacademicinformation/departmentalcoursesprograms/psychology/psych-ms/>)

Ph.D. in Clinical Psychology (<https://catalog.und.edu/graduateacademicinformation/departmentalcoursesprograms/psychology/psych-cp-phd/>)

Ph.D. in General/Experimental Psychology (<https://catalog.und.edu/graduateacademicinformation/departmentalcoursesprograms/psychology/psych-gep-phd/>)

Graduate Minor in Psychology (<https://catalog.und.edu/graduateacademicinformation/departmentalcoursesprograms/psychology/psych-minor/>)

Certificate in Behavioral Data Analytics (<https://catalog.und.edu/graduateacademicinformation/departmentalcoursesprograms/psychology/psych-cert-bda/>)

## **PSYC 501. Psychological Foundations Educ. 3 Credits.**

A study of the learning process with secondary emphasis on how the learning process is affected by individual differences, growth, development, and personality. Prerequisite: Graduate standing in Psychology or Education.

## **PSYC 505. History of Psychology. 3 Credits.**

Historical development of modern psychology with an emphasis on experimental and systematic phases of early psychological thought, on important issues during the growth of psychology, and on current trends. Prerequisite: Graduate standing in Psychology or Counseling.

## **PSYC 520. Foundations of Forensic Psychology. 3 Credits.**

Prerequisite: Graduate status in Psychology or permission of instructor.

## **PSYC 521. Diversity Psychology. 3 Credits.**

The purpose of this course is to provide students with an advanced consideration of the major issues in the study of diversity as it applies to the field of psychology. Prerequisite: Graduate status in Psychology or permission of instructor.

## **PSYC 522. Human Factors in Cyber Security. 3 Credits.**

This course examines the critical role human behavior plays in maintaining or conversely endangering cyber security. The science of human attention, perception, learning, and cognition is applied to the problem of maintaining secure cyber systems. On demand.

## **PSYC 523. Forensic Assessment. 3 Credits.**

This course is designed to provide students with 1) a review of assessment measures used in forensic assessment 2) an in-depth study of ethical and professional issues in forensic assessment, and 3) training in writing assessment reports. Prerequisite: Graduate status in Psychology or permission of instructor. SS, even years.

## **PSYC 524. Psychology and Law. 3 Credits.**

An in-depth examination of the interaction between the disciplines of psychology and law. The course will look at how psychological research and theories are applied to contemporary legal issues. Prerequisite: Graduate status in Psychology or permission of instructor.

## **PSYC 525. Insider Threat Analysis. 3 Credits.**

This course provides an in-depth examination and analysis of what is referred to as insider threat. Insider threat is when a current or former employee or other person that has "insider access" such as contractors, outsourcers, and even cloud-computing vendors compromises the security of a cyber-system or application either intentionally or unintentionally. Insider threats are often considered the greatest cyber security risks. On demand.

## **PSYC 526. Psychological Profiling and Criminal Behavior. 3 Credits.**

Prerequisite: Graduate status in Psychology or permission of instructor.

## **PSYC 532. Cognitive and Behavioral Foundations in AI. 3 Credits.**

This course explores the cognitive and behavioral principles that underpin artificial intelligence (AI) systems, with a focus on understanding and replicating human-like intelligence and behavior in machines. Drawing upon insights from psychology, neuroscience, and computer science, students will learn how cognitive and behavioral theories inform the design, development, and application of AI technologies. The course will examine how cognitive processes such as perception, attention, memory, language processing and natural language understanding, problem-solving, and decision-making are modeled in AI systems including artificial neural networks and evolutionary algorithms. It will also discuss application of behavioral principles reinforcement, conditioning, and social learning in AI. Prerequisite: Graduate student standing. S, odd years.

## **PSYC 533. Theories of Learning. 3 Credits.**

Examination of the evidences in support of the various systematic theories of learning. Prerequisite: Graduate standing in Counseling or Psychology or consent of instructor.

## **PSYC 534. Eyewitness Testimony & Memory. 3 Credits.**

This course will survey this recent psychological research on eyewitness testimony including factors that influence eyewitness memory, interviewing, identification procedures, and the effectiveness of trial testimony provided by both eyewitnesses and psychological experts. On demand.

## **PSYC 537. Physiology of Behavior and Psychophysiological Measurement. 3 Credits.**

This is an advanced graduate course covering major topics of physiological psychology while also introducing measurement techniques traditionally used in psychophysiological research. While physiology and anatomy of the central and peripheral nervous systems will be reviewed in this course, students are expected to have basic knowledge of neuroscience, behavioral science, and research methodology. Experiential learning activities will focus on the demonstration and practice of psychophysiological measurement and recording techniques, data analysis, and interpretation. Prerequisite: Graduate standing in Psychology or permission of instructor. F.

## **PSYC 539. Cognitive Psychology. 3 Credits.**

An in-depth analysis and discussion (including laboratory work) of topics covering issues related to memory, attention, problem solving, comprehension, and thinking. Prerequisite: Graduate standing in Psychology or permission of instructor.

## **PSYC 540. Foundations of Behavioral Data Analytics. 3 Credits.**

This course covers the process of inspecting, cleansing, transforming, and modeling quantitative data with the goal of discovering useful information, suggesting conclusions, and supporting decision-making. Behavioral data analytics has multiple facets and approaches, encompassing diverse techniques under a variety of names. In this course, we will cover data mining focused on modeling and knowledge discovery for predictive rather than purely descriptive purposes. Techniques for integrating data and for visualizing data will also be explored. On demand.

## **PSYC 541. Advanced Univariate Statistics. 3 Credits.**

Theory of univariate statistics; application to quantitative data in psychology. Prerequisite: Graduate standing, college algebra, and elementary statistics.

## **PSYC 542. Multivariate Statistics for Psychology. 3 Credits.**

The appropriate use and interpretation of multivariate data analytic techniques in psychology. Prerequisite: Graduate standing and PSYC 541.

## **PSYC 543. Experimental Design. 3 Credits.**

Application of statistics and probability theory to the design and analysis of experiments. Prerequisite: PSYC 541 or consent of instructor.

## **PSYC 544. Research Methods in Forensic Psychology. 3 Credits.**

This course will provide a basic review of descriptive and inferential statistics and how these techniques are used with research methods appropriate for forensic psychology. Students will become proficient in basic statistical analysis of data sets, designing and evaluating research designs and techniques, and having the skills to understand primary research in forensic psychology. On demand.

**PSYC 545. Applied Psychometrics I: Test Evaluation & Application. 1 Credit.**

Establishes the basic competencies in applied psychometrics relevant to selection and application of clinical tests measures. Prerequisite: Graduate standing in Psychology or permission of instructor. F.

**PSYC 546. Applied Psychometrics II: Scale Development. 1 Credit.**

Establishes foundational knowledge in the development of psychometric instruments. Prerequisite: PSYC 541, PSYC 542, and PSYC 545, or permission of instructor. S.

**PSYC 547. Applied Clinical Statistics & Research Design. 1 Credit.**

This course is designed to give (primarily Clinical) Psychology doctoral students a basic working knowledge of the statistical and methodological concepts specific to Health Service Psychology in verifying that clinical procedures and tools have sufficient empirical bases. These include methods suited for real-world clinical research, such as single case designs. Prerequisite: PSYC 541. S.

**PSYC 551. Advanced Developmental Psych. 3 Credits.**

In-depth analysis and integration of theories and theorists relevant for current issues in lifespan developmental psychology. Prerequisite: Graduate status in Psychology or permission of instructor.

**PSYC 560. Advanced Social Psychology. 3 Credits.**

In-depth examination of the theoretical and empirical literature in social psychology focusing on attitudes, stereotyping and prejudice, interpersonal relationships, social cognition, personality and the self, and group behavior. Also includes additional course readings and written work beyond the requirements for Psychology 460. Prerequisite: Graduate status in Psychology or permission of instructor. S.

**PSYC 565. Multicultural Psychology. 3 Credits.**

Examinations of cross-cultural work in psychology with attention to race, ethnicity, and culture. Special emphasis is given to research, training, and treatment issues with minority groups, including the American Indian and other cultural groups. Prerequisite: Graduate status in Psychology.

**PSYC 570. CA I: Neurocognitive & Psychoeducational Assessment. 3 Credits.**

Establishes foundational knowledge in the assessment of cognitive abilities, neurocognitive function, and psychoeducational variables using an array of psychometric techniques, observation, mental status examinations, etc. Practice in test administration, scoring, and interpretation, assessment interviewing, and report writing are provided. Prerequisite: Graduate standing in Psychology or permission of instructor. F.

**PSYC 571. CA II: Assessment of Behavior Pathology. 3 Credits.**

Establishes the foundational knowledge in the assessment of clinically-relevant cognition, affect, and behavior, using a variety of psychometric tools and interviewing techniques, and writing clinical reports. Prerequisite: PSYC 570 or permission of instructor. S.

**PSYC 572. Community Psychology. 3 Credits.**

Theories and practicum in community mental health consultation. Credits in 587 may be earned in conjunction with this course. Prerequisite: PSYC 571, PSYC 573, and graduate standing in Psychology.

**PSYC 573. Fundamentals of Therapeutic Intervention. 1 Credit.**

Provides background in the basics of psychotherapeutic intervention techniques and practices, and a survey of various intervention models. S.

**PSYC 574. Advanced Therapeutic Interventions with Adults. 3 Credits.**

An in-depth study of the key issues of psychotherapy research with a focus on critical evaluation of the psychotherapy research literature and the development of knowledge of empirically supported approaches to psychotherapy with specific problems. Prerequisite: PSYC 573 or permission of instructor. F.

**PSYC 575. Behavior Pathology. 3 Credits.**

A survey of various forms of behavior pathology with emphasis upon current research and theories relating to pathology. Prerequisite: graduate standing in psychology or instructor permission. F.

**PSYC 576. Advanced Tx Interventions-Children/Adolescents. 3 Credits.**

An overview of child and developmental psychopathology including discussion of pertinent treatments for disorders such as conduct disorders, attention-deficit, substance abuse, and developmental disabilities. Prerequisite: PSYC 573 or instructor permission. S.

**PSYC 579. Professional Issues and Ethics in Psychology. 3 Credits.**

An exploration of ethical issues pertinent to the science and practice of psychology and discussion of current professional issues facing psychology. Prerequisite: Graduate standing in Psychology or permission of instructor.

**PSYC 580. Clinical Practice. 1 Credit.**

Supervised individual practice in techniques of individual psychotherapy, marital therapy, counseling, and guidance of parents and children, administration of psychological examinations, behavior modification, community mental health procedures, consultation, and other professional practices of the clinical psychologist. Prerequisite: PSYC 570 and graduate standing in Psychology, or consent of instructor. Repeatable. S/U grading. F,S,SS.

**PSYC 581. Supervision & Consultation. 1 Credit.**

This class addresses APA requirements for didactics in supervision and consultation. It is a seminar class; students read and discuss texts on relevant topics, and complete class projects. Prerequisite: Graduate standing in Psychology or permission of instructor. SS, even years.

**PSYC 582. Affect & Cognition. 1 Credit.**

This class addresses APA requirements for didactics in the affective bases of behavior and the interaction between cognition and emotion. Students read and discuss texts on relevant topics, and complete class projects. Prerequisite: PSYC 539 and Graduate standing in Psychology or permission of instructor. SS, odd years.

**PSYC 587. Supervised Field Work. 1-3 Credits.**

Used primarily for individualized field placement so that the student may acquire practicum experiences in clinical settings, community psychology, and group methods. Prerequisite: Graduate standing in Psychology and consent of instructor. Repeatable. S/U grading.

**PSYC 588. Additional Supervised Clinical Experience. 1-3 Credits.**

Reflects clinical practice other than those required for the Clinical Psychology PhD. Prerequisite: Graduate standing in Psychology and permission of instructor. F,S,SS.

**PSYC 593. Readings in Psychology. 1-3 Credits.**

Prerequisite: Advanced standing in Psychology and consent of instructor. Repeatable.

**PSYC 594. Special Topics in Psychology. 1-3 Credits.**

Topical courses in Psychology organized on a semester-by-semester basis. Prerequisite: Graduate standing in Psychology or permission of instructor. Repeatable. On demand.

**PSYC 595. Seminar in Psychology. 1-3 Credits.**

Prerequisite: Consent of instructor.

**PSYC 596. Individual Research. 1-6 Credits.**

Repeatable.

**PSYC 996. Continuing Enrollment. 1-12 Credits.**

Repeatable. S/U grading.

**PSYC 997. Independent Study. 3 Credits.**

The independent study is designed to require the student independently to investigate a topic related to the field of forensic psychology. The study need not be an original contribution to knowledge but may be a presentation, analysis, and discussion of information and ideas already in the literature. The requirement for independent study is to ensure that a student can investigate a topic and organize a scholarly report on the investigation. Prerequisite: Graduate status in the Master of Arts. F,S,SS.

**PSYC 998. Thesis. 1-9 Credits.**

Thesis credit. Prerequisite: Department approval required. Repeatable to 9.00 credits.

**PSYC 999. Dissertation. 1-18 Credits.**

Dissertation Credits. Prerequisite: Department approval required. Repeatable to 18.00 credits. F,S,SS.