PSYCHOLOGY (PSY)

PSY 5100  Psychology and Neuroscience Seminar (1)
Professional development through participation in and peer review of
public presentation of contemporary research.

PSY 5128  Group Dynamics Laboratory (1)
Pre-requisite(s): Psy.D. students only
A laboratory in group dynamics for Psy.D. students emphasizing
interprofessional relationships.

PSY 5199  Non-Thesis Degree Completion (1)
To fulfill requirements for non-thesis master’s students who need to
complete final degree requirements other than coursework during
their last semester. This may include such things as a comprehensive
examination, oral examination, or foreign language requirement. Students
are required to be registered during the semester they graduate.

PSY 5301  Introduction to Experimental Design (3)
Pre-requisite(s): Graduate standing
Simple and complex analysis of variance and analysis of covariance
designs. The general linear model approach, including full-rank and less
than full-rank models, will be emphasized.

PSY 5302  Measurement in Psychology (3)
Pre-requisite(s): PSY/STA 5301 or consent of the instructor
Principles and methodology underlying scaling techniques, rating
devices, psychological tests, and other forms of measurements used in
psychology. Includes an introduction to psychometrics and applications
to objective personality assessment.

PSY 5305  Advanced Experimental Design (3)
Pre-requisite(s): PSY 5301 or consent of instructor
The course examines a variety of complex experimental designs that are
available to researchers including split-plot factorial designs, confounded
factorial designs, fractional factorial designs, incomplete block designs, and analysis of covariance. The designs are examined
within the framework of the general linear model. Extensive use is made
of computer software.

PSY 5307  Advanced Statistics II (3)
Pre-requisite(s): PSY 5388; or consent of instructor
Selected topics from correlation, regression, path analysis, and
generalized linear models.

PSY 5311  Seminar in Memory and Cognition (3)
Cross-listed as NSC 5311
See NSC 5311 for course information.

PSY 5313  Advanced Measurement in Psychology (3)
Pre-requisite(s): PSY/STA 5301
An introduction to item response theory and computerized adaptive
testing. Emphasis on the three parameter logistic model. Topics
include parameter and ability estimation, item bias, detection of
multidimensionality, appropriateness measurement, and Owens-Bayes
algorithm.

PSY 5315  Quantitative Psychology (3)
Pre-requisite(s): PSY/STA 5301
Mathematical foundations of contemporary psychology.

PSY 5316  Clinical Psychopathology (3)
Pre-requisite(s): Psy
D. (CPSY) students only. Clinical case formulation, including the
assessment and diagnosis of problems, case conceptualization, and
treatment planning, based on current theory and research.

PSY 5317  Psychotherapy III: Seminar in Psychotherapy (3)
Pre-requisite(s): Psy.D. students only
Advanced study of current research, theory and practice in evidence-based psychotherapy, interventions, and treatment planning.

PSY 5318  Perception (3)
Cross-listed as NSC 5318
See NSC 5318 for course information.

PSY 5319  Clinical Neuroscience - Advanced (3)
Cross-listed as NSC 5319
See NSC 5319 for course information.

PSY 5320  Learning and Behavior Theory (3)
Cross-listed as NSC 5320
See NSC 5320 for course information.

PSY 5321  Developmental Psychology (3)
Pre-requisite(s): Graduate standing in psychology
Current research and theory on normal and psychopathological
development of human behavior from conception through senescence.

PSY 5322  Human Engineering (3)
Pre-requisite(s): Consent of instructor
Application of the methods and techniques of psychology to the
problems of designing equipment for efficient human use and the design
of man-machine systems.

PSY 5323  Biological Foundations of Behavior (3)
Pre-requisite(s): Psychology Ph
D or Psy.D. students only, or consent of instructor. An introduction
to the biological mechanisms underlying behavior. A review of basic
neuroanatomy, neuron function, neurotransmitters, emotional process,
language, learning and memory function. Will also review biological
correlates of targeted mental disorders such as mood and anxiety
disorders, schizophrenia, and developmental and cognitive disorders.

PSY 5325  Ethics and Professional Issues in Clinical Psychology (3)
Pre-requisite(s): Psy.D. students only
The application of current ethical and professional standards to
professional practice.

PSY 5327  Family and Marital Psychotherapy (3)
Pre-requisite(s): Psy.D. students only
Practice, theory, and research of psychological consultation with couples
and families. Emphasis upon systems and interpersonal orientations.

PSY 5330  Neuropharmacology (3)
Cross-listed as NSC 5330
See NSC 5330 for course information.

PSY 5333  Psychological Assessment III (3)
Pre-requisite(s): Psy
D. students only. Advanced study of integrated assessment, focusing on
special populations including gerontology, infant assessment, health-related assessments and additional disorder-based assessments.

PSY 5334  Clinical Health Psychology (3)
Pre-requisite(s): Psy.D. students only
Foundations of clinical health psychology, applications of behavioral
medicine, and the promotion and maintenance of health.

PSY 5335  Multicultural Issues (3)
Pre-requisite(s): Psy.D. students only
An exploration of multicultural issues in the delivery of psychological
services.

PSY 5339  Social Psychology (3)
Review of advanced theory and contemporary research in social
psychology.
PSY 5340  Doctoral Project in Professional Psychology I (3)
Pre-requisite(s): Psy.D. students only
Arrangements are made for Psy.D. candidates to undertake individual scholarly projects under the direction of a clinical psychology professor. Work includes individual study and preparation of a detailed proposal for a project in clinical psychology.

PSY 5341  Doctoral Project in Professional Psychology II (3)
Pre-requisite(s): Psy.D. students only
A continuation of PSY 5340, including the execution and completion of the doctoral project.

PSY 5342  Advanced Topics in Social Psychology (3)
Advanced study of theory and research in social psychology.

PSY 5344  History of Psychology, Racism, and the United States (3)
Pre-requisite(s): Psy D. students only. The history of psychology, medicine, science, racism, and culture in the United States, with an emphasis on how these components are interconnected, how psychology was born into a racist academic world, and how power systems have served to benefit some and oppress many.

PSY 5350  Advanced Personality Psychology (3)
A review of classic personality theory and contemporary personality psychology research.

PSY 5360  Neurophysiology (3)
Cross-listed as NSC 5360
See NSC 5360 for course information.

PSY 5370  Administration and Supervision (3)
Pre-requisite(s): Psy.D. students only
Training in health care administration, supervision, consultation, program development, and evaluation.

PSY 5371  Clinical and Research Practicum I (3)
Pre-requisite(s): Psy.D. students only
Supervision, development, and evaluation of Psy.D. students in all aspects of their work. Introduction to clinical interviewing skills, therapeutic relationship, theories of psychotherapy, and common factors in psychotherapy and clinical assessment.

PSY 5372  Clinical and Research Practicum II (3)
Pre-requisite(s): Nine hours of PSY 5371
Intermediate level practicum experience of supervision, development, and evaluation of Psy.D. students in all aspects of their work.

PSY 5373  Clinical and Research Practicum III (3)
Pre-requisite(s): Nine hours of PSY 5372
Advanced practicum experience. Supervision, development, and evaluation of Psy.D. students in all aspects of their work.

PSY 5374  Clinical Practicum and Professional Development (3)
Pre-requisite(s): Nine hours of PSY 5373
Practicum focusing on refining clinical and research skills. Supervision, development, and evaluation of the Psy.D. student in all aspects of her or his work.

PSY 5380  Multidimensional Scaling (3)
Pre-requisite(s): PSY/STA 5301
Basic scaling theory with emphasis on metric, non-metric, and individual-differences multidimensional scaling models and methodology. Applications of scaling methods to measurement problems in the behavioral and health sciences, education, and business.

PSY 5384  Multivariate Statistical Methods (3)
Pre-requisite(s): PSY/STA 5301
Discriminant analysis, canonical correlation analysis, and multivariate analysis of variance.

PSY 5386  Exploratory Factor Analysis (3)
Pre-requisite(s): PSY/STA 5384 and 5301
Exploratory factor analysis with emphasis on applications in the behavioral and health sciences, education, business, including the description and use of available software.

PSY 5388  Advanced Statistical Methods (3)
Selected issues in applied statistics.

PSY 5389  Mathematical Models in Psychology (3)
Pre-requisite(s): PSY/STA 5301
Introduction to mathematical formulations in a wide range of psychological research including learning theory, decision and choice, reaction time, theory of signal detection, and other selected topics.

PSY 5390  Confirmatory Factor Analysis and Structural Equations Models (3)
Pre-requisite(s): PSY/STA 5301
Confirmatory factor analysis, path analysis and structural equations models, analysis of covariance structures, least squares and maximum likelihood estimation, and application to psychological processes.

PSY 5391  Multilevel Modeling (3)
Pre-requisite(s): PSY 5301
An introduction to multilevel modeling and hierarchical linear modeling in the behavioral sciences. Content includes both the theory behind and the application of multilevel modeling, including the analysis of unconditional models, estimation of effect size, conditional effects, growth curve models, and the analysis of dyadic data.

PSY 5410  Psychopathology and Assessment in Children (4)
Pre-requisite(s): Psy D. students only. This course is designed to provide an overview of emotional and behavioral disorders of children and adolescents and theoretical foundations and applications of psychological assessment with this population.

PSY 5423  Psychotherapy II: Advanced Cognitive Behavior Therapy (4)
Pre-requisite(s): Psy.D. students only
Continued study of cognitive-behavioral psychotherapy. Introduction to third wave cognitive-behavioral psychotherapies including dialectical behavior therapy, acceptance and commitment therapy, motivational interviewing, mindfulness, theory, and applications. Lab required.

PSY 5426  Clinical Intervention with Children (4)
Pre-requisite(s): Psy.D. students only
Theory and research of clinical intervention procedures including family therapy used with children and adolescents with psychological disorders.

PSY 5428  Group and Systems Approaches to Psychotherapy (4)
Pre-requisite(s): Psy.D. students only
Theory, research, and practice of systems approaches to group, couples, and family psychotherapy. Experiential practice in refining psychotherapy skills.

PSY 5429  Psychotherapy I: Cognitive-Behavior Therapy (4)
Pre-requisite(s): Psy D. students only. Current research and theory on cognitive-behavioral therapy approaches to clinical problems.

PSY 5430  Neuroanatomy (4)
Cross-listed as NSC 5430
See NSC 5430 for course information.
PSY 5431 Psychological Assessment I (4)
Pre-requisite(s): Psy
D. students only. Introduction to assessment principles and approaches. Administration, scoring, and interpretation of intellectual, cognitive, and neuropsychological measures. Introduction to integrated report writing.

PSY 5432 Psychological Assessment II (4)
Pre-requisite(s): Psy.D. students only
Continued study of assessment. Introduction to objective and projective personality measures and disorder-based assessments and integration of the tests with various cognitive, intellectual, or neuropsychological measures. Lab required

PSY 5V04 Graduate Research (1-3)
For research credit prior to admission to candidacy for an advanced degree. May be repeated for credit.

PSY 5V06 Individual Studies in Psychology (1-3) hrs.

PSY 5V24 Individualized Professional Development and Research (1-6)
Pre-requisite(s): Psy.D. students only
Opportunity for clinical psychology doctoral students to develop further their clinical research skills. Course may be repeated.

PSY 5V51 Supervised Teaching (1-3)
Cross-listed as NSC 5V51
See NSC 5V51 for course information.

PSY 5V71 Selected Topics in Psychology (1-3)
Advanced study in an area of psychology not covered by formal courses. Course may be repeated with a different topic of study.

PSY 5V85 Consulting, Research and Teaching in Statistics (1-3)
Statistics program. Supervised experience in statistical research, consulting, and teaching. Course may be repeated each semester.

PSY 5V96 Research Methods in Experimental Psychology (1-3)
Selected laboratory methods and techniques in Experimental Psychology. May be repeated with change in content. Maximum of 3 credit hours per semester with an overall maximum of 12 credit hours.

PSY 5V99 Thesis (1-3)
Research, data analysis, writing, and oral defense of an approved master's thesis. At least three hours are required.

PSY 6V01 Clinical Internship (1-6)
Course open only to fourth-year clinical psychology doctoral students who are off campus on internship. Must be taken for three semesters.

PSY 6V10 Prospectus Research (1-6)
Pre-requisite(s): Completion of required course work for PhD degree
Supervised research for developing and writing a Dissertation Prospectus Proposal that will be subject to review and approval by the Supervisory Committee.

PSY 6V99 Dissertation (1-12)
Supervised research for the doctoral dissertation. These hours may be distributed over more than one semester.