PSYCHOLOGY (PSYCH)

**PSYCH 5000 Special Problems** (IND 0.0-6.0)
Problems or readings on specific subjects or projects in the department. Consent of instructor required.

**PSYCH 5001 Special Topics** (LEC 0.0-6.0)
This course is designed to give the department an opportunity to test a new graduate level course. Variable title.

**PSYCH 5010 Seminar in Industrial / Organizational Psychology** (RSD 3.0)
Review of the most recent theoretical and applied research in advanced personnel and organizational psychology. Topics will include personnel selection, training and performance appraisal, job attitudes, motivation, work groups and teams, leadership, organizational culture, and organizational development. Prerequisite: Nine hours of psychology.

**PSYCH 5200 Theories and Practice of Psychological Measurement** (LEC 3.0)
An overview of psychological tests and batteries used in a variety of disciplines. An emphasis is placed on the proper development and use of these tests and test batteries. Tests examined will include tests of intelligence, aptitude, personality, and psychopathology. Prerequisite: Psych 4200 or graduate standing.

**PSYCH 5201 Psychometrics** (LEC 3.0)
An examination of statistical methods used to develop and refine measures of human performance, aptitudes, and personality. Topics include reliability and validity, data reduction, measuring inter-relationships among variables (e.g., factor analysis, multiple regression), and testing group differences. Prerequisites: Psych 1101 and Psych 2200.

**PSYCH 5600 Advanced Social Psychology** (LEC 3.0)
An advanced study of the behavior of individuals in interaction within groups. Consideration will also be given to the experimental literature dealing with the formal properties of groups, conformity and deviation, intergroup relations, and attitude formation and attitude change. Prerequisite: Psych 4600.

**PSYCH 5601 Advanced Group Dynamics** (LEC 3.0)
An in-depth review of the concepts and theories related to group dynamics. Topics include group goals, communication within groups, group structure, norms, leadership, decision making, controversy, conflict resolution, power, diversity issues, and team development. Students will consider theoretical implications and practical applications of topics in group dynamics in the form of independent reading, research proposals, and observational assignments. Prerequisite: Psych 4601 or graduate standing.

**PSYCH 5602 Organizational Processes: Research and Practice** (LEC 3.0)
Examination of the field of Organizational Psychology. An emphasis is placed on research methods and application of practices related to individual processes, group processes, organizational structure and function. Prerequisites: Psych 4602 or graduate standing.

**PSYCH 5603 Advanced Social Influence** (LEC 3.0)
An in-depth review of the principles and procedures that affect the process of social influence, with consideration given to attitudinal, compliance inducing, and perceptual influences. Students will consider the theoretical implications and practical applications of topics in social influence in the form of independent reading, research proposals and/or projects, and observational assignments. Prerequisite: Psych 4603 or graduate standing.

**PSYCH 5700 Advanced Industrial Psychology** (LEC 3.0)
An in-depth examination of the field of Industrial psychology. An emphasis is placed on research methods and application of practices related to Job Analysis, Recruitment, Selection, Training, and Performance Appraisal. Prerequisite: Psych 4700 or graduate standing.

**PSYCH 5710 Advanced Human Factors** (LEC 3.0)
An in-depth review of the foundations of human factors, focusing on the interaction of people with various forms of technology in a variety of environments. Topics include research and evaluation methods, displays (e.g., visual, auditory), attention and information processing, decision making, motor skills, anthropometry, and biomechanics, with a strong focus on application (e.g., environmental design, human error, safety). Prerequisite: Psych 4710 or graduate standing.

**PSYCH 5720 Advanced Human-Computer Interaction** (LEC 3.0)
This course examines the psychological research and theories that contribute to the field of human-computer interaction. An emphasis will be placed on engaging in critical evaluation of research and applying theoretical knowledge to effectively use computers in organizations. Prerequisite: Psych 4720 or graduate standing.

**PSYCH 5730 Environmental Psychology: Research and Practice** (LEC 3.0)
An in-depth review of the theoretical perspectives in environmental psychology and the psychological effects of various environments. An emphasis is placed on the review and integration of the research to explain the psychological issues related to various environments as well as to understand ways to effectively design living, educational, work, and recreational environments. Prerequisite: Psych 4730 or graduate standing.

**PSYCH 6085 Internship** (IND 0.0-6.0)
Students will apply critical thinking skills and discipline specific knowledge in a work setting based on a project designed by the advisor and employee. Activities will vary depending on the students background and the setting. Requires a major report. Prerequisites: Completed Core and Methods courses; instructor consent.

**PSYCH 6099 Research** (IND 0.0-6.0)
Investigations of an advanced nature leading to the preparation of a thesis or dissertation. Prerequisites: Consent of instructor required.

**PSYCH 6210 Advanced Research Methods** (LEC 3.0)
Advanced techniques class, including advanced analysis of variance, multiple regression, multiple and partial correlation, analysis of covariance and the examination of some quasi-research designs. Prerequisites: Graduate standing.

**PSYCH 6510 Advanced Leadership Theory & Practice** (LEC 3.0)
Examination of research surrounding the major theories of leadership. Topics include leadership measurement of traits and skills, major theories of leadership including LMX, Charismatic, Transformational, and Authentic Leadership Theories. An emphasis is given on researching leadership topics and applying findings of leadership research in organizations. Prerequisite: Psych 4610 or graduate standing.

**PSYCH 6611 Leadership for Engineers** (LEC 3.0)
Provides engineers with a background in leadership concepts and principles; enables students to develop practical skills in leading and managing through multiple personal assessment. Topics include leadership styles, managing commitments, conflict resolution, change management, emotional intelligence, team dynamics and business ethics. Prerequisite: Eng Mgt 5110 or Psych 4602. (Co-listed with Eng Mgt 6112).
PSYCH 6702 Personnel Selection (LEC 3.0)
Developing and using assessment tools for personnel selection, classification, and promotion; measuring the impact of cultural variables on test performance; early identification of managerial potential; and emphasis on alternatives to cognitive abilities testing, including physical fitness and personality assessment. Prerequisites: Graduate standing.