PSYCHOLOGY (3750)

3750:500 Personality (4 Credits)
Prerequisite: Admission to the Graduate School. Consideration of current conceptualizations of the normal personality with emphasis on methods of measurement, experimental findings and research techniques.

3750:510 Psychological Tests & Measurements (4 Credits)
Prerequisite: Admission to the Graduate School. Consideration of the nature, construction and use of tests and measurements in industry, government and education. Includes aptitude and achievement tests, rating scales, attitude and opinion analysis.

3750:520 Abnormal Psychology (4 Credits)
Prerequisite: Admission to the Graduate School. Survey of syndromes, etiology, diagnoses and treatments of major psychological conditions ranging from transient maladjustments to psychoses.

3750:530 Psychological Disorders of Children (4 Credits)
Prerequisite: Admission to the Graduate School. Survey of syndromes, etiologies and treatments of behavioral disorders in children from the standpoint of developmental psychology. Behavioral data and treatment approaches emphasized.

3750:543 Human Resource Management (4 Credits)
Prerequisite: Admission to the Graduate School. The application of psychological theory to the effective management of human resources in an organization, including recruitment, selection, and retention of personnel.

3750:544 Organizational Theory (4 Credits)
Prerequisite: Admission to the Graduate School. The application of psychological theory to macro-level processes in organizations including leadership, motivation, task performance, organizational theories and development.

3750:545 Psychology of Small Group Behavior (4 Credits)
Prerequisite: Admission to the Graduate School. Intensive investigation of factors affecting behavior and performance in small groups including effects of personality, social structures, task, situation and social-cognitive variables.

3750:550 Cognitive Development (4 Credits)
Prerequisite: Admission to the Graduate School. Theory and research on life-span changes in cognitive processes including concept formation/ categorization, information processing and Piagetian assessment tasks.

3750:560 History of Psychology (3 Credits)
Prerequisite: Admission to the Graduate School. Psychology in pre-scientific period and details of developmental or systematic viewpoints in 19th and 20th Centuries.

3750:601 Psychological Research using Quantitative & Computer Methods I (4 Credits)
Sequential prerequisite: Graduate standing in psychology or the collaborative doctoral program in counseling psychology or special nondegree students with permission. Psychological research problem applying quantitative and computer methods. Topics include research design, sampling, controls, threats to validity, hypotheses testing, psychological measurement, error, robustness and power.

3750:602 Psychological Research using Quantitative & Computer Methods II (4 Credits)
Sequential prerequisite: Graduate standing in psychology or the collaborative doctoral program in counseling psychology or special nondegree students with permission. Psychological research problem applying quantitative and computer methods. Topics include research design, sampling, controls, threats to validity, hypotheses testing, psychological measurement, error, robustness and power.

3750:610 Core I: Social Psychology (2 Credits)
Prerequisite: graduate standing in psychology or the collaborative doctoral program in counseling psychology or permission of instructor. Introduction to empirical research and theories on the psychological processes related to interpersonal behavior, focusing on topics like attitude change, social influence, and prosocial behavior.

3750:620 Core II: Cognitive Psychology (2 Credits)
Prerequisite: graduate standing in psychology or the collaborative doctoral program in counseling psychology or permission of instructor. Survey of theories, concepts, empirical phenomena, and methodologies in human cognitive psychology. Topics include attention, cognitive capacity, learning, memory, categorization, skill acquisition/expertise, and training effectiveness.

3750:630 Core III: Individual Differences (2 Credits)
Prerequisite: graduate standing in psychology or the collaborative doctoral program in counseling psychology or permission of instructor. Survey of theoretical perspectives on individual differences in personality and behavior and of literature on between- and within-group cultural variables influencing personality development and assessment.

3750:640 Core IV: Biopsychology (2 Credits)
Prerequisite: graduate standing in psychology or the collaborative doctoral program in counseling psychology or permission of instructor. Survey of nervous system structure/function including neuroanatomy, neuron physiology, and synaptic transmission. Also overviews biological bases of learning, memory, consciousness, intelligence, psychopharmacology, behavior genetics.

3750:650 Core V: Social-Cognitive Psychology (2 Credits)
Prerequisite: graduate standing in psychology or the collaborative doctoral program in counseling psychology or permission of instructor. Social and cognitive theory/research applied to the issue of how people understand their social experiences. Topics include: person perception, attribution, social categorization, social inference.

3750:660 Science and Ethics of Industrial Psychology (4 Credits)
Survey of Industrial Psychology including coverage of selection and performance management. Also, discusses professional and scientific guidelines regarding the ethics of Industrial Psychology.

3750:672 Counseling Practicum (4 Credits)
Prerequisites: graduate standing in psychology and permission of instructor. Introduction to and development of therapeutic skills and intervention techniques via instruction, role play exercises, and case conference evaluations of actual clinical work samples. (May be repeated for a total of 8 credits.) Credit/Noncredit.

3750:673 Counseling Practicum Lab (4 Credits)
Prerequisites: graduate standing in psychology and instructor’s permission. Corequisite: 672. Application of therapeutic skills and intervention techniques to work with clients in the Psychology Department Counseling Clinic, including small group supervision of clinical work. (May be repeated for a total of 8 credits.) Credit/Noncredit.
Prerequisite: 3750:630 or graduate standing in school psychology, 14 credits of graduate psychology, and permission of the instructor. Supervised field experience in industrial/organizational psychology in settings including business, government or social organizations. The field experience requires the application of industrial/organizational psychological theories and techniques. Credit/Noncredit.

3750:707 Supervision in Counseling Psychology I (4 Credits)
Prerequisite: doctoral standing or permission of instructor. Instruction and experience in supervising a graduate student in counseling.

3750:709 Introduction to Counseling Psychology (2 Credits)
Prerequisite: graduate standing in the Collaborative Program in Counseling Psychology. Introduction to historical foundations of and recent developments in counseling psychology, with an emphasis on contemporary research literature in the field.

3750:710 Theories of Counseling & Psychotherapy (4 Credits)
Prerequisite: 3750:630. Major systems of individual psychotherapy explored within a philosophy of science framework: Freudian, behavioral, Rogerian, cognitive, and other. Includes research, contemporary problems and ethics.

3750:711 Vocational Behavior (4 Credits)
Prerequisite: 3750:630. Theories and research on vocational behavior and vocational counseling. Topics include major theories of vocational behavior, empirical research on these theories, applied work in vocational counseling and applied research.

3750:712 Principles & Practice of Individual Intelligence Testing (4 Credits)
Prerequisite: 3750:630 or graduate standing in school psychology, and instructor’s permission. History, principles and methodology of intelligence testing, supervised practice in administration, scoring and interpretation of individual intelligence tests for children and adults.

3750:713 Professional, Ethical & Legal Issues in Counseling Psychology (4 Credits)
Prerequisite: Doctoral standing or permission of the instructor. Examination of major issues in the field such as the counselor as a professional and as a person, and issues, problems and trends in counseling.

3750:714 Objective Personality Evaluation (4 Credits)
Prerequisites: [3750:630 or 3750:500], 3750:520, and 5600:645. Study of the development, administration, and interpretation of objective instruments for personality assessment (MMPI, CPI, MBTI, 16PF and selected additional inventories).

3750:715 Research Design in Counseling I (3 Credits)
Prerequisite: doctoral standing or permission of the instructor. Study of research designs, evaluation procedures, and review of current research.

3750:717 Issues of Diversity in Counseling Psychology (4 Credits)
Prerequisites: 3750:630; one semester of practicum work. Critical examination and application of research and theory in counseling diverse populations, focusing on race/ethnicity, sex/gender, sexual orientation, age, disability, and spirituality.

3750:718 History & Systems in Psychology (2 Credits)
Prerequisite: 3750:630. Philosophical and scientific antecedents of psychology and details of the development of systematic viewpoints in the 19th and 20th centuries.

3750:722 Psychopharmacology & Adulthood (4 Credits)
Prerequisite: 3750:660, graduate standing in psychology, or permission of the instructor. Aspects of development, aging with emphasis on life-span methodology and research design. Age-related changes in intelligence, personality, sensation, perception, learning, memory, socialization, and intervention approaches.

3750:731 Perception, Attention and Aging (4 Credits)
Prerequisites: graduate standing in the Adult Development and Aging program or permission of the instructor. Overview of theory, methods, and data on attention and perception and how aging affects these phenomena.

3750:732 Cognition and Aging (4 Credits)
Prerequisites: graduate standing or permission of the instructor. Survey of selected topics in cognitive aging including memory, problem-solving, decision-making, and expertise.

3750:736 Psychopharmacology & Adulthood (4 Credits)
Prerequisite: 3750:640. Psychopharmacology addresses a diverse range of drugs that act in the brain. Drug mechanisms are discussed in the context of emotional, cognitive, and behavioral effects.

3750:740 Industrial Gerontology (4 Credits)
Prerequisites: 3750:660, graduate standing in psychology, or permission of instructor. Study of age-related issues in work involving adult and older adult workers. Topics include personnel selection, training, motivating and appraising older employees; health and safety; job design, vocational guidance; and retirement.

3750:750 Advanced Psychological Tests & Measurements (2 Credits)
Prerequisites: graduate standing in psychology or in the collaborative program in counseling psychology, or permission of the instructor. Analysis of test construction techniques. Statistical analyses of tests with review of published tests and measurements used in psychology. Study of psychometric theory and principles.
3750:751 Organizational Psychology (4 Credits)
Prerequisites: 3750:660, graduate standing in psychology, or permission of the instructor. Applies the general systems theory framework to the study of the relationships between organizational characteristics and human behavior, the internal processes of organizations, and the relationships between organizations and their environment.

3750:752 Personnel Selection and Advanced Applied Testing Issues (4 Credits)
Review of strategies employed by industrial/organizational psychologists for personnel selection, placement and promotion. Includes discussion of advanced testing issues.

3750:753 Training (2 Credits)
Prerequisites: 3750:660, graduate standing in psychology, or permission of the instructor. Review of industrial training methods and programs in terms of various theoretical orientations, as well as consideration of techniques to evaluate these programs.

3750:754 Research Methods in Psychology (2-4 Credits)
Prerequisites: 3750:660, graduate standing in psychology or permission of instructor. Scientific method and its specific application to psychology. Topics include data collection, validity, reliability, use of general linear model and its alternatives and power analysis.

3750:755 Computer Applications in Psychological Research (4 Credits)
Prerequisite: graduate standing in psychology or permission of instructor. Practicum in application of computers to psychological research including data collection, analysis and interpretation. Also covers computer simulation of decision making including use of different models.

3750:756 Role of Attitudes & Values in Industrial/Organizational Psychology (4 Credits)
Prerequisites: 3750:660, graduate standing in psychology, or permission of the instructor. Consideration of the role of attitudes and values in the prediction of behavior including consumer psychology, explaining attitude changes, measurement of attitudes and the use of survey methodology.

3750:757 Organizational Motivation & Leadership (4 Credits)
Prerequisites: 3750:660, graduate standing in psychology, or permission of instructor. Survey of theories of motivation specifying both the intrinsic and extrinsic determinants of worker motivation. The leadership process and its relation to motivation, group performance and attributions are also analyzed.

3750:759 Job Evaluation & Equal Pay (4 Credits)
Prerequisite: 3750:660. Major job evaluation systems will be reviewed and critiqued. Issues such as minimum qualifications for a job will be reviewed. Advantages and disadvantages of various job evaluation systems will be compared. Issues concerning federal regulation including the Equal Pay Act, comparable worth and other issues will be discussed. Regression approaches to job evaluation and applicable court cases will be reviewed.

3750:760 Organizational Change & Transformation (4 Credits)
Prerequisites: 3750:660 or permission of instructor. Survey of theories and introduction to practical methods of organizational change and transformation used to increase organizational effectiveness and improve employee quality of work life.

3750:761 Information Processing & Industrial/Organizational Psychology (4 Credits)
Prerequisite: 3750:660. Coverage of current theories in cognitive psychology is applied to traditional concerns of industrial/organizational psychology such as performance appraisal or motivation.

3750:762 Personnel Psychology & the Law (4 Credits)
Prerequisite: 3750:660. Issues in personnel psychology which have legal implications are reviewed. The impact of recent court decisions are evaluated in staffing and compensation.

3750:763 Performance Feedback and Evaluation (4 Credits)
Prerequisites: 3750:660, graduate standing in psychology, or permission of instructor. Examines current research and practice in the area of performance appraisal. Topics will include: criterion development, rater training, appraisal effectiveness, feedback processes, and performance measurement.

3750:764 Cognitive Assessment (2 Credits)
Prerequisite: 3750:750 and enrollment in the Collaborative Program in Counseling Psychology. History, principles and methodology of cognitive assessment, supervised practice in administration, scoring and interpretation of individual intelligence tests for children and adults.

3750:765 Objective Personality Assessment (2 Credits)
Prerequisites: 3750:750 and student must be enrolled in Collaborative Program in Counseling Psychology. Study of the development, administration, and interpretation of objective measures of personality assessment (MMPI, PAI and selected additional inventories).

3750:766 Applications of Assessment (2 Credits)

3750:777 Psychopathology (4 Credits)
Prerequisites: 3750:709, 3750:630, & 3750:713. This course sets out to understand mental conditions in terms of their historic roots and current nomenclature used to identify, diagnose, and treat psychopathology ranging from transient maladjustments to severe psychoses.

3750:780 Graduate Seminar in Psychology (1-4 Credits)
(May be repeated.) Prerequisites: graduate standing in psychology and permission of the instructor. Special topics in psychology.

3750:795 Advanced Counseling Practicum (4 Credits)
(May be repeated.) Prerequisites: 3750:671, 3750:672, 3750:673 and permission of instructor. This course provides graduate students in counseling with actual client contacts and supervisory experiences under faculty supervision. Credit/Noncredit.

3750:796 Counseling Psychology Practicum (4 Credits)
(May be repeated.) Prerequisite: 3750:795 (eight hours) or 5600:675 (five hours). Advanced counseling psychology students will have supervised training with clients in a variety of settings and will focus on supervised development of specialized theoretical applications. Credit/Noncredit.

3750:797 Independent Reading and/or Research: Psychology (1-3 Credits)
(May be repeated.) Prerequisite: permission of the instructor. Individual readings and/or research on a topic under supervision of faculty member with whom specific arrangements have been made.

3750:899 Doctoral Dissertation (1-12 Credits)
Prerequisite: open to properly qualified students. Required minimum 12 credits; maximum subject to departmental approval. Supervised research on topic deemed suitable by the dissertation committee.