

973. Rorschach Method
Winter. 4(4-0) PSY 832.
History and hypotheses of the method. Review of research. Administration and scoring of the test. Introduction to interpretation.

975. Advanced Practicum: Psychological Clinic
Fall, Winter, Spring. Variable credit. PSY 932.
Clinical experience in assuming responsibility for total case integration and interpretation of findings to parents and agencies.

976. Psychopathology: Psychoanalytic Theory, Neuroses and Psychosomatics
Fall. 3(3-0) PSY 427, PSY 832.
Kraepelinian, Pavlovian, and Freudian traditions in abnormal psychology and psychiatry. Psychoneuroses and psychosomatics with major emphasis in psychoanalytic approaches. Research and problems. Psychogenic and somatogenic positions in psychopathology.

977. Psychopathology: Psychoses and Developmental Disorders
Winter. 3(3-0) PSY 976.
Behavioral and development disorders such as psychopathy, delinquency, mental deficiencies; selected functional and organic psychotic syndromes; psychosis as distinguished from psychoneurosis; continuity versus discontinuity of normal to abnormal behavior. Research considerations.

979. Counseling and Psychotherapy
Fall. 3(2-2) Approval of department.
Psychotherapy with late adolescents and adults. Various points of view with emphasis on interpersonal relationship and client-centered approaches. Techniques for introducing therapeutic movement. Study of tape recordings and research findings.

980. Practicum: Individual Counseling and Psychotherapy
Winter. 3(2-2) PSY 979 and approval of department.
Detailed study of psychotherapeutic interviews aimed at developing skill as a psychotherapist. Therapeutic and assessment techniques, interview dynamics and psychotherapeutic movement studied by means of verbatim transcriptions, tape recordings, films, role playing, and observation.

981. Practicum: Counseling and Psychotherapy
Spring. 3(2-2) PSY 980 and approval of department.
Counseling with a variety of clients at the University Counseling Center. Group and individual discussions of problems, processes, counselor-client interaction, and professional ethics.

982. Advanced Practicum: Counseling and Psychotherapy
Fall, Winter, Spring. 1 to 4 credits. May reenroll for a maximum of 12 credits. PSY 981 and approval of department.
Counseling and psychotherapy with a variety of clients of the University Counseling Center.

985. Seminar in Clinical Psychology
Fall, Winter, Spring. 1 to 4 credits. May reenroll in different areas for a maximum of 16 credits. Forty-five graduate credits in psychology.
Critical study of a selected area such as theories, diagnosis, projective techniques, psychotherapies, hypnosis, psychopathologies.

999. Doctoral Dissertation Research
Fall, Winter, Spring, Summer. Variable credit. Approval of department.

PUBLIC AFFAIRS MANAGEMENT

See Agricultural Economics.

RADIOLOGY

College of Human Medicine College of Osteopathic Medicine

480. Nuclear Medicine for Medical Technologists
Winter. 3(2-2) PHY 237, PHY 257; MTH 109; Junior or Senior Medical Technology majors.
Terminology and fundamentals of radionuclides. Application to nuclear medicine. Radiation measurement, protection, biologic effects with discussion of instruments and imaging systems. Principles of radioimmunoassay. Radiopharmaceutical techniques and clinical interpretation.

501. Radiologic Anatomy
Fall, Summer. 2(2-0) Approval of department.
Principles and techniques of X-ray use. Identification of anatomical structures depicted on X-ray films.

525. Fundamentals of X-ray Interpretation
Fall, Winter, Spring, Summer. 2(2-0)
Admission to College of Human Medicine or College of Osteopathic Medicine. Others: approval of department.
Beginning laboratory course in recognition and interpretation of the normal and abnormal X-ray image. Use of X-ray as alternative diagnostic approach in efficient management of patients.

526. Chest Radiology
Fall. 2(2-0) RAD 525.
Principles of chest radiography. Normal chest radiogram and radiographic study of chest diseases, with emphasis on pathophysiologic and anatomic correlation.

527. Traumatology
Winter. 2(2-0) RAD 525.
Clinical and radiographic evaluation of injured patients. Emphasis on efficacy of radiologic procedures.

528. Abdominal Radiology
Spring. 2(2-0) RAD 525 or approval of department.
Principles and analysis of abdominal imaging systems.

550. Decision Analysis in Medicine
Fall, Spring. 2(2-0) Graduate/Professional students or approval of department.
Terminology and fundamentals of objective decision analysis; application to problems in diagnosis and treatment. Diagnostic test performance, patient management strategies, utility analysis, cost-effectiveness, patient's role in medical decisions.

RAD

590. Special Problems in Radiology
Fall, Winter, Spring, Summer. 1 to 6 credits. May reenroll for a maximum of 15 credits. Approval of department.
Special aspects of radiology and the use of X-rays in the efficient management of patients.

609. Radiology Clerkship
Fall, Winter, Spring, Summer. 4 to 17 credits. May reenroll for a maximum of 17 credits. H M 602.
Office and hospital based experience to acquaint the student with basic radiological information and develop X-ray interpretation skills.

610. Radiation Therapy Clerkship
Fall, Winter, Spring, Summer. 4 credits. H M 602; MED 608 and PHD 608 or SUR 608.
Basic instruction in radiation therapy procedures and materials.

611. Nuclear Medicine Clerkship
Fall, Winter, Spring, Summer. 4 credits. H M 602; MED 608 and PHD 608 or SUR 608.
Diagnostic and therapeutic procedures in nuclear medicine.

RELIGIOUS STUDIES REL

College of Arts and Letters

101. Elementary Hebrew
Fall. 4(4-1) Interdepartmental with and administered by Hebrew.
Introduction to the Hebrew language, with pronunciation and conversation practice, reading and writing, and basic grammatical analysis of biblical and modern Hebrew.

102. Elementary Hebrew
Winter. 4(4-1) HEB 101. Interdepartmental with and administered by Hebrew.
Continuation of HEB 101.

103. Elementary Hebrew
Spring. 4(4-1) HEB 102. Interdepartmental with and administered by Hebrew.
Continuation of HEB 102.

150. Exploring Religion (A)
Fall, Winter, Spring. 3(3-0)
The nature of religious language and belief; sacred time, space, and literature; religious myths, rituals, and symbols; varieties of religious experience; the question of religious knowledge and truth.

151. Western Religions (A)
Fall, Winter, Spring. 3(3-0)
Historical-comparative approach to Jewish, Christian, and Muslim beliefs, practices, and world-views, including views of God and other supernatural beings, nature and destiny of man, paths for spiritual achievement, death and after-life.

152. Eastern Religions (A)
Fall, Winter, Spring. 3(3-0)
Historical-comparative approach to Hindu, Buddhist, Confucian, Taoist, and Shinto beliefs, practices, and world-views, including views of nature of ultimate reality, nature and destiny of man, death and beyond.