970. Seminar in Ecological Psychology
Fall, Winter, Spring. 4(4-0) May reenroll for a maximum of 12 credits. Approval of department.
Critical analysis of a contemporary ecological psychology issue such as the psychological aspects of over-crowding, the interpersonal and intrapersonal conflicts created by environmental degradation, and similar current topics.

972. 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.

973. Rorschach Method
Winter. 4(4-0) PSY 932.
History and hypotheses of the method. Review of research. Administration and scoring of the test. Introduction to interpretation.

975. Advanced Practicum: Psychological Clinical
Fall. 4(4-0) 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.

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) PST 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.

983. Child Psychotherapy
Winter. 2 to 4 credits. PSY 981.
Dynamic process underlying therapy with children; methods and techniques; the child's symbolic communications through language, art, and play materials; assessing progress of therapy; review of research. Practicum cases.

984. Group Psychotherapy
Spring. 3(2-2) PSY 981.
Research-oriented treatment of the theories, principles and techniques in group psychotherapy. Role of the leader, problems of member selection and evaluation of progress. Limited, supervised experience as a group participant.

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

RACIAL AND ETHNIC STUDIES

College of Social Science
College of Urban Development

240. Comparative Theories of Racism and Ethnic Centrism
Fall, Spring, Summer. 4(4-0) U D 202.
The evolutionary development and comparison of the concepts of racism and ethnic centrism as defined by theories of multiracial, cultural pluralism, melting pot, and other relevant theories and specific review of their effects on minority groups.

250. Minority Experience in American Society
Winter, Spring. 4(4-0) U D 202.
Development of American consciousness of race and ethnicity, role and contribution of minorities in American society.

313. Development of American Indians as an Ethnic Minority
Spring. 4(4-0) Majors; U D 202; nonmajors: approval of department. ANP 419 recommended.
The history of the contact between Euro-Americans and American Indians is examined from the perspective of Native Americans.

333. Contemporary Problems of American Indians
Spring. 4(4-0) RES 313.
An overview of contemporary American Indian problems including their background in federal policies, protests engendered, and possible solutions.

363. The Formation of the Black Urban Working Class
Fall, Winter, Spring, Summer. 4(4-0) Juniors or approval of department.
The historical formation of the urban black working class and the effects of racial and economic oppression in its culture, social institutions and world view.

385. Housing Problems of Minorities in Urban Areas
Fall, Spring. 4(4-0) U D 202, U P 322 recommended. Interdepartmental with the Department of Urban and Metropolitan Studies.
A study of the housing problems of minority groups with special emphasis on low cost housing.

399. Political Affairs of Native Americans
Winter. 4(4-0) RES 313.
An examination of the current political activities of Native Americans in Michigan.

401. Black (African) Diaspora
Fall. 4(4-0) Majors: Juniors and U D 202; others: Juniors or approval of department. Critical inquiry and analysis of the dispersions of black people in global perspective. Historical orientation to settlement patterns, economic, social and political change and development.

402. Chicano Dramatic Expression
Spring. 4(4-0) U D 202 for majors; others: approval of department.
An overview of Chicano Dramatic Expression. Focuses on cultural and historical roots of Chicano drama, including Religious Folk Theatre; contemporary expression, including guerrilla-political and cultural theater.

417. Minorities and Women in the World of Work
Fall, Spring. 4(4-0) Senior majors or approval of department. Interdepartmental with the Department of Management and the School of Social Work and administered by the Department of Management.
Racial, ethnic, sexual and other minority experiences and problems in the world of work. Awareness training approach (what it's like to be ...). Featuring movies, guest, subgroup discussions and encounter-type exercises.

450. Mechanisms of Racial Dominance and Conflict Resolution
Spring. 4(4-0) U D 201 or approval of department.
An examination of the institutional mechanisms of racial dominance and control. Focusing upon how these mechanisms operate to maintain the racial status quo and their effects upon racial minorities.
480. Independent Study
Fall, Winter, Spring, Summer. 2 to 4 credits. May reenroll for a maximum of 12 credits. Juniors, approval of department. Supervised individual study in a racial or ethnic area of interest.

485. Selected Topics in Racial and Ethnic Studies
Fall, Winter, Spring. 4(4-0). May reenroll for a maximum of 8 credits. College core or approval of department. Contemporary issues and problems in the minority programs.

495. Senior Seminar
Spring. 4(4-0). Seniors. Students will identify a major contemporary issue in racial and ethnic problems. A strategy for a solution will be developed and submitted to entire class.

RADIOLOGY
RAD

College of Human Medicine
College of Osteopathic Medicine

480. Nuclear Medicine for Medical Technologists
Winter. 3(2-2) PHY 237, PHY 237; 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 radioimmunossay. 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. 3(2-0) RAD 525. Clinical and radiographic evaluation of injured patients. Emphasis on efficacy of radiologic procedures.

550. Decision Analysis in Medicine
Winter of odd-numbered years. 2 to 4 credits. May reenroll for a maximum of 8 credits. Approval of department. Analysis of decisions in medicine, with emphasis on the diagnostic process and clinical judgment.

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 M 609) Fall, Winter, Spring, Summer. 4 to 17 credits. May reenroll for a maximum of 17 credits. Fall 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. Fall M 602; MED 608 and PHD 608 or SUR 609. Basic instruction in radiation therapy procedures and materials.

611. Nuclear Medicine Clerkship
Fall, Winter, Spring, Summer. 4 credits. Fall 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

150. Understanding Religious Man (A)
Fall, Winter, Spring. 3(3-0). Nature of religion; character of reality; symbolism, myth, sacred space, sacred time, rationalism and the nature of religious knowledge; religion and morals; psychology of religious experience; societal function of religion.

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.

220. Old Testament (A)
Fall. 3(3-0). A study of the history, literature and religion of Israel based on a critical examination of the Biblical texts.

221. Old Testament (A)
Winter. 3(3-0). A continuation of REL 220.

222. New Testament
Spring. 3(3-0). A study and analysis of the texts of the New Testament in light of their historical setting.

230. History of Christian Thought: Early and Eastern
Fall. 3(3-0). Development of Christology and the institutional Church, especially in the east from the first to the eleventh century. Gnosticism, Docetism, the Ecumenical Councils and major theologians studied from primary and secondary sources.

231. History of Christian Thought: Tertullian to Erasmus

232. History of Christian Thought: Erasmus to the Present
Spring. 3(3-0). Study of key philosophers, theologians, movements, events of these centuries, including reformation, Trent, enlightenment, biblical criticism, modernism, Vatican councils, neorothodoxy, neomontanism; Kant, Hegel, Marx, Troeltsch, Kierkegaard, Newman, Bonhoeffer.

295. Individual Readings
Fall, Winter, Spring. 1 to 5 credits. May reenroll for a maximum of 10 credits if a different topic is taken. Approval of department. Supervised independent study of a particular topic in religious studies not covered in the regular courses.

300. Life of Christ
Fall. 3(3-0). The life of Christ as recorded in the Gospels in light of Christian tradition and ancient and modern scholarship.

302. Writings of St. Paul
Winter. 3(3-0). Analysis of the major Pauline letters together with the Book of Acts in the light of their significance for the early Church and for contemporary Christianity.

305. Christian Ethics and Society
Winter. 4(3-0). The Biblical and theological basis for social action will be examined, also such areas of contemporary discussion as relation of love to justice, individual ethic to social ethic, situation to principle, the social order.

310. Christianity
Winter. 3(3-0). Origins and historical development of Christianity, major doctrines and liturgical practices, ethical stances, institutional forms (Eastern Orthodox, Roman Catholic, Protestant), social and cultural contributions, contemporary status and role.

315. Eastern Christianity
Spring. 3(3-0). Origins, faith and practice of the Orthodox Church in Russia and Eastern Europe, with attention to the history, beliefs and rites of the Coptic, Armenian, Ethiopian, and other Monophysite and Nestorian Churches and Uniate movement.