

555. Track II Focal Problem
Fall, Winter, Spring. 5(5-0) H M 552 or approval of college. Students may not receive credit in both H M 514 and H M 555, H M 560, H M 561.

Clinical problems around which basic science content is studied and approaches to problem-solving explored in combined small group, self-instructional format.

560. Track II Focal Problem
Fall, Winter, Spring. 5(5-0) H M 555 or approval of college. Students may not receive credit in both H M 514 and H M 555, H M 560, H M 561.

Clinical problems around which basic science content is studied and approaches to problem-solving explored in combined small group, self-instructional format.

561. Track II Focal Problem
Fall, Winter, Spring. 5(5-0) H M 560 or approval of college. Students may not receive credit in both H M 514 and H M 555, H M 560, H M 561.

Clinical problems around which basic science content is studied and approaches to problem-solving explored in combined small group, self-instructional format.

565. Track II Focal Problem
Fall, Winter, Spring. 5(5-0) H M 561 or approval of college. Students may not receive credit in both H M 515 and H M 565, H M 566, H M 567.

Clinical problems around which basic science content is studied and approaches to problem-solving explored in combined small group, self-instructional format.

566. Track II Focal Problem
Fall, Winter, Spring. 5(5-0) H M 565 or approval of college. Students may not receive credit in both H M 515 and H M 565, H M 566, H M 567.

Clinical problems around which basic science content is studied and approaches to problem-solving explored in combined small group, self-instructional format.

567. Track II Focal Problem
Fall, Winter, Spring. 5(5-0) H M 566 or approval of college. Students may not receive credit in both H M 515 and H M 565, H M 566, H M 567.

Clinical problems around which basic science content is studied and approaches to problem-solving explored in combined small group, self-instructional format.

590. Special Problems in Human Medicine
Fall, Winter, Spring, Summer. 1 to 6 credits. May reenroll for a maximum of 12 credits. Human Medicine students or approval of college.

Students will work under direction of a faculty member on an experimental, theoretical or applied problem. Students should employ the college-level course rather than departmental-level special problems courses, when their topics of interest require a broad multidisciplinary approach.

604. Hospital Care Clerkship
Fall, Winter, Spring, Summer. 16(0-16) Must reenroll for a total of 32 credits. H M 602.
Longitudinal, inpatient exposure to severe hospital and consultative care problems. Patient management stressed. Fulfills departmental clerkship objectives (when combined with H M 605). Conducted in Marquette, Michigan.

605. Comprehensive Care Clerkship
Fall, Winter, Spring, Summer. 16(0-16) Must reenroll for a total of 32 credits. H M 602.

Comprehensive, longitudinal, ambulatory exposure to skills, problems, and content of primary disciplines of medical training. Fulfills departmental objective (when combined with H M 604) for required clerkships. Conducted in Escanaba, Michigan.

608. Sub-Specialty Clerkships
Fall, Winter, Spring, Summer. 1 to 17 credits. May reenroll for a maximum of 41 credits. H M 602.

Hospital and office based clinical experiences in sub-specialties in medicine and surgery.

609. Pre-Intern Clerkship
Fall, Winter, Spring, Summer. 12 credits. May reenroll for a maximum of 48 credits. Successful completion of required clerkships; approval of instructor.

Patient care responsibilities similar to internship, under close faculty and resident supervision, in a community hospital.

HUMAN NUTRITION AND FOODS

See Food Science and Human Nutrition.

IMPROVEMENT SERVICE

I S

College of Natural Science

1941. Quantitative Techniques
Fall, Winter. 2(2-0) Proficiency test referral or approval of department. Credits earned in this course are included in computation of GPA and MAPS but are not included in the 180 credits required for graduation.

Number system; rounding and estimating; fractions; decimals; percent; equations; formulas; direct and inverse proportion, including graphs; problem solving or applications; multiplication and division by powers of ten and their multiples; scientific notation; metric system conversions; bases other than ten.

INTERDISCIPLINARY COURSES

IDC

All University

233. Introduction to Women's Studies: Women's Consciousness
Winter, Spring. 4(4-0) Interdisciplinary with the colleges of Arts and Letters and Social Science. Administered by the College of Arts and Letters.

Development of women's consciousness in various historical, cross-cultural and scientific contexts. Concepts basic to feminist thought are clarified. Critique of sexism in traditional scholarship.
Approved through Winter 1984.

255. Introduction to Contemporary China

Fall. 4(4-0) Interdisciplinary with James Madison College and the departments of Anthropology, Geography, History, and Political Science. Administered by the Department of History.

China's transition from traditional, agrarian state to modern nation in world community and overview of its recent political, economic, social, cultural and diplomatic developments.
Approved through Fall 1985.

257. Contemporary Japan
(384.) Winter. 4(4-0) Interdisciplinary with James Madison College and the departments of Anthropology, Geography, and History. Administered by the Department of History.

Contemporary Japanese society, governmental institutions and policies, religion and culture, foreign relations, industry, agriculture, management. Japanese social stability and economic development since World War II.
Approved through Winter 1984.

341. Contemporary South Asia
Spring. 4(4-0) Interdisciplinary with the departments of Anthropology, Geography, and Political Science and James Madison College. Administered by the Department of Anthropology.

Current issues in India, Pakistan and adjoining areas. Regional case studies of population growth, agricultural and industrial development, urbanization, and internal and international political and economic relations.
Approved through Winter 1984.

400V. Distinguished Visiting Professor Series
Fall, Winter, Spring. 2 to 5 credits. May reenroll for a maximum of 15 credits if different topics are taken. Approval of the student's major department.

The title, content, and credits to be determined by the college sponsoring the course in consultation with the visiting professor. May be counted as credit in any major upon approval of major department, division or dean.

447. Refugees, Displaced Persons, Exiles
Winter. 4(4-0) Juniors. Interdisciplinary with the departments of History, Political Science, Social Science, and Sociology. Administered by the Department of Social Science.

Analysis, definition and description of refugees as a research category. Behavior of refugees and relief agencies. Nature of causes, persecution, asylum and flight. Political, legal, sociological, economic, psychological, historical problems.
Approved through Fall 1984.

448. Issues in Refugee Assistance
Spring. 4(4-0) Juniors. Interdisciplinary with the departments of Political Science, Social Science and Sociology. Administered by the Department of Social Science.

Continuation of IDC 447. Refugee policy issues in developed and developing countries. Admission levels; asylum; camps; relief and development; equity and tension with host; economic adjustment; ethnicity. Comparative refugee assistance.
Approved through Fall 1984.

**Descriptions – Interdisciplinary Courses
of
Courses**

470. Biological Membranes

Spring. 3(3-0) BCH 401. Interdisciplinary with the departments of Biochemistry, Microbiology and Public Health, and Physiology. Administered by the Department of Physiology.

Membranes and membranous organelles of cells are discussed in terms of the chemistry, physics and mathematics of permeability, energy transductions and surface functions. Theoretical and experimental models are analyzed.

Approved through Spring 1985.

654. Pulmonary Disease Clerkship

Fall, Winter, Spring, Summer. 6 credits. May reenroll for a maximum of 12 credits. Grade P in all courses offered in terms 1 through 8.

Evaluation and treatment of patients with common pulmonary diseases, including acute and chronic respiratory failure, primary and metastatic lung tumors, various bacterial and non-bacterial pneumonias.

655. Nephrology Clerkship

Fall, Winter, Spring, Summer. 6 credits. May reenroll for a maximum of 12 credits. IM 650 or approval of department.

Clinic and hospital based experience to develop basic skills in evaluation and management of patients with renal disease. Emphasis on integration of renal physiology and pathophysiology.

200. Introduction to the Study of Policy Problems

Fall. 4(4-0)

Introduction to the social sciences and related disciplines as these apply to the study of major social, economic and political problems.

201. Introduction to the Study of Policy Problems

Winter. 4(4-0) M C 200.

Continuation of M C 200.

202. Introduction to the Study of Policy Problems

Spring. 4(4-0) M C 201.

Continuation of M C 201.

205. Methodology for Policy Sciences

Fall, Winter, Spring. 4(4-0)

Introduction to the logic of social research, techniques of data collection, and procedures in quantification. Emphasis will be on interpretation and evaluation of findings for policy decision making.

215. Utopia and the Quest for Social Progress

Spring. 4(3-0)

Survey of utopian thought and literary utopias combined with detailed study of selected major utopias from 'The Republic' to 'Walden Two.'

218. Contemporary Ideologies

Fall. 4(3-0) Students may not receive credit in both M C 218 and PLS 170.

The doctrines by which socio-political movements justify and explain their goals and programs. An introduction to such movements and doctrines as socialism, communism, fascism, nationalism and democracy.

220. Contemporary World Politics

Fall, Winter. 4(3-0) Students may not receive credit in both M C 220 and PLS 160.

Theories explaining actions and interactions of nation-states, regions, and political movements. Analysis of histories, capabilities, and policies. Examination of factors accounting for conflict and collaboration in international relations.

221. The American Foreign Policy Establishment

Winter. 4(3-0) M C 220 recommended.

Institutions, processes and doctrines of contemporary American foreign policy. The role of the Presidency, Congress, governmental agencies, pressure groups and public opinion.

226. Socio-Cultural Factors in Developmental Change

Winter, Spring. 4(3-0) M C 220 recommended.

The network of socio-cultural institutions related to economic decay, stagnation, or development. Conditions under which socio-cultural factors accelerate or retard economic development.

229. The Arab-Israeli Conflict

Fall of even-numbered years. 4(3-0)

Analysis of major political and ideological issues in the Arab-Israeli conflict since 1948. Examination of the causes and consequences of unresolved problems and evaluation of alternative solutions.

INTERNAL MEDICINE I M

(Established effective January 1, 1981.)

College of Osteopathic Medicine

590. Special Problems in Internal Medicine

Fall, Winter, Spring, Summer. 1 to 8 credits. Approval of department.

Each student will work under direction of a faculty member on an experimental, theoretical or applied problem.

620. Directed Studies

Fall, Winter, Spring, Summer. 2 to 24 credits. Grade P in all courses offered in terms 1 through 8.

Individual or group work on special problems in medicine related to internal medicine.

650. Medicine Clerkship

(O M 650.) Fall, Winter, Spring, Summer. 2 to 24 credits. May reenroll for a maximum of 24 credits. Grade P in all courses offered in terms 1 through 8.

Clinical exposure in osteopathic medicine. Program developed to achieve proficiency in motor skills and aptitudes; comprehension of concepts and principles; patient evaluation, diagnosis, management, and therapy.

651. Cardiology Clerkship

Fall, Winter, Spring, Summer. 6 credits. May reenroll for a maximum of 12 credits. Grade P in all courses offered in terms 1 through 8.

Intensive experience in bedside diagnosis and care of patients with the more frequently seen cardiac problems.

652. Gastroenterology Clerkship

Fall, Winter, Spring, Summer. 6 credits. May reenroll for a maximum of 12 credits. Grade P in all courses offered in terms 1 through 8.

Inpatient and outpatient clinical gastroenterology. Reinforcement of fundamentals of gastrointestinal diseases, including evaluation of GI patients, cost effectiveness in patient management, behavioral science related to patient care.

653. Oncology/Hematology Clerkship

Fall, Winter, Spring, Summer. 6 credits. May reenroll for a maximum of 12 credits. Grade P in all courses offered in terms 1 through 8.

Diagnosis, staging and treatment methods of solid tumors and other neoplasms. Pharmacology of cytotoxic agents. Issues in nutrition. Behavioral approaches to the terminally-ill patient.

656. Neurology Clerkship

(O M 657.) Fall, Winter, Spring, Summer. 6 credits. May reenroll for a maximum of 12 credits. Grade P in all courses offered in terms 1 through 8.

Clinical exposure in area of neurology. Program structure developed to achieve proficiency in motor skills, aptitudes; comprehension of concepts and principles; patient evaluation, diagnosis, management, and therapy.

ITALIAN

See Romance and Classical Languages.

JAMES MADISON COLLEGE

M C

111. Identity and Community in America: An Approach to Writing

Fall. 3(3-0).

Identity in contemporary America. Emphasis on family, love, work, education, race. Materials include journals, biographies, fiction, films, and essays. Students write narratives, autobiographies, and critical analyses based on personal experience.

112. Identity and Community in America: An Approach to Writing

Winter. 3(3-0) M C 111.

The quest for community in early America. Autonomy, authority, and morality in the 'good society.' Materials include literary and historical sources, films, and community studies. Students write expository and argumentative essays.

113. Identity and Community in America: An Approach to Writing

Spring. 3(3-0) M C 112.

Identity and community in American society under stress, such as the Great Depression of Civil War. Materials include fiction, interviews, photography, films. Students investigate primary documents and write expository essays.