

**570. Introduction to Behavioral Medicine**  
Fall. 3(3-0)

Survey of behavioral and social factors influencing health, illness, and use of the health care system. Clinical and experimental examples of psychological and social influences on biological levels of organization.

**572. Adult Through Aged Development**  
Spring. 2(2-0) PHD 571.

Characteristics of physical, cognitive, social and emotional development and change, late adolescence through senescence. Interaction of biologic, psychologic and social factors in the developmental process.

**575. Problems of the Aged**  
Spring. 2(2-0) PSC 574.

Origin, course and treatment of disorders of function and behavior in the aged. Emphasis on biopsychosocial interaction, clinical and community perspectives and the health care system.

**590. Special Problems in Human Medicine**

Fall, Winter, Spring, Summer. 1 to 6 credits. May reenroll for a maximum of 36 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. FMP 602.

Longitudinal, inpatient exposure to severe hospital and consultative care problems. Patient management stressed. Fullfills 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. FMP 602.

Comprehensive, longitudinal, ambulatory exposure to skills, problems, and content of primary disciplines of medical training. Fullfills 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. FMP 602.

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

**690. Fundamentals of Clinical Research**

Fall, Winter, Spring, Summer. 6 credits. FMP 602.

Read and evaluate research based clinical literature. The research process from planning to implementation to summary.

**HUMAN NUTRITION AND FOODS**

See Food Science and Human Nutrition.

**IMPROVEMENT SERVICE**

IS

**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**

**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 1990.

**257. Contemporary Japan**

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

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 Fall 1989.

**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 other areas of South Asia, studied from interdisciplinary perspective using the major humanistic and social science disciplines.

Approved through Winter 1991.

**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.

**INTERNAL MEDICINE**

IM

**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. May reenroll for a maximum of 48 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**

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 to 8 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 to 8 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 to 8 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.

**654. Pulmonary Disease Clerkship**

Fall, Winter, Spring, Summer. 6 to 8 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 to 8 credits. May reenroll for a maximum of 12 credits. I M 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.

**Descriptions — Internal Medicine  
of  
Courses**

**656. Neurology Clerkship**  
Fall, Winter, Spring, Summer. 6 to 8 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.

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

A clerkship organized to develop skills in the acute evaluation and management of patients in the hospital emergency room and other locations.

**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 III.

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.

**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.

**212. International Issues (MTC)**  
Fall, Winter, Spring. 2(2-0) or 3(3-0)

May reenroll for a maximum of 5 credits if different topics are taken. Interdepartmental with and administered by the College of Social Science.

Contemporary international political, economic, scientific, moral, legal and humanistic topics. Separate multidisciplinary topics will be offered at different times.

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

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

**226. Social Change in Third World Societies**  
Fall, Winter, Spring. 4(3-0) M C 220 recommended.

Socioeconomic and political conditions of contemporary developing countries. Historical and contemporary processes of change. Theories of the development process.

**227. Regional Conflict in Southern Africa**  
Winter of odd-numbered years. 4(3-0) M C 220 recommended.

Exploration of domestic, regional, and international conflicts and conflict resolution in Southern Africa. Identification of major actors, structural tensions, forms of social organization and sources of conflict.

**228. Politics of the Western Hemisphere (MTC)**  
Fall, Winter, Spring. 3(3-0) May reenroll for a maximum of 12 credits if different subtitles are taken. Interdepartmental with the Department of Political Science.

Developing areas of the western hemisphere: historical development of the societies; contemporary political and economic status; international relationships with other area countries, the United States, the wider world community.

**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.

**243. Politics and Markets**  
Winter. 4(3-0) EC 201, EC 202.

Theories of appropriate role of government in a market economy. Historical and comparative analysis of government policy in selected problem areas including externalities, redistribution, regulation, planning.

**249. American Urban History**  
Fall. 4(3-0) Interdepartmental with the Department of History.

Evolution of American cities from the industrial revolution. Emphasis on process of urbanization, and on the social, economic, and political aspects of American urban history.

**251. The Contemporary Metropolis**  
Winter. 4(3-0)

Sociology and political economy of the contemporary metropolis. Emphasis on metropolitan social structure, class and race relations, urban, suburban, neighborhood problems.

**IDC. Introduction to Contemporary China**  
For course description, see Interdisciplinary Courses.

**IDC. Contemporary Japan**  
For course description, see Interdisciplinary Courses.

**270. Legal and Political Theory I**  
Fall. 4(3-0)

Major political problems studied through selected works of classical and medieval political and legal theory. Emphasis on Greek concepts of "polis" and the influence of classical theory on Western Politics.

**271. Legal and Political Theory II**  
Winter. 4(3-0) M C 270 or approval of college.

Political and legal theories of the 16th, 17th, and 18th centuries which form the foundations of liberal political thought. Emphasis on the relation of political values and the institutions of Western society.

**272. Legal and Political Theory III**  
Spring. 4(3-0) M C 271 or approval of college.

Political and legal theories of the 19th and 20th centuries. Emphasis on interrelations with social theory and values and social and economic institutions of modern society.

**275. The Theoretical Foundations of Constitutional Democracy**  
Fall, Winter, Spring. 4(3-0)

Origins and development of principles of constitutional or liberal democracy. Philosophical and practical problems that characteristically manifest themselves in regimes based on those principles.

**278. Social Problems and Human Values**  
Winter. 4(3-0)

Critical examination of selected social problems from the viewpoint of normative ethics.

**282. Stratification and Social Relations**  
Fall. 4(3-0)

Major theories of class, status, racial, ethnic, and gender differentiation. Applications of theory to group inequality and intergroup relations in the U.S.