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.

INTERNAL MEDICINE

College of Osteopathic Medicine

500. 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 enroll for a maximum of 24 credits. Grade P in all courses offered in terms 1 through 8.
   Clinical exposure in osteopathic medicine. Program is designed to achieve proficiency in medical skills and attitudes; comprehension of concepts and principles; patient evaluation, diagnosis, management, and therapy.

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

654. Pulmonary Disease Clerkship
   Fall, Winter, Spring, Summer. 6 credits. May enroll 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 enroll for a maximum of 12 credits. Grade P in all courses offered in terms 1 through 8.
   Clinical 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.

656. Neurology Clerkship
   (O M 657.) Fall, Winter, Spring, Summer. 6 credits. May enroll for a maximum of 12 credits. Grade P in all courses offered in terms 1 through 8.
   Clinical exposure in area of neurology. Program is designed to achieve proficiency in neurological skills and attitudes; comprehension of concepts and principles; patient evaluation, diagnosis, management, and therapy.

ITALIAN

See Romance and Classical Languages.

JAMES MADISON COLLEGE

MC

111. Identity and Community in America: An Approach to Writing
   Winter, 3(3-0)
   Identity in contemporary America. Emphasis on family, love, work, education, race. Materials include journals, biographies, fiction, film, 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. Emphasis on family, love, work, education, race. Materials include journals, biographies, fiction, film, and essays. Students write narratives, autobiographies, and critical analyses based on personal experience.

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, Civil War. Materials include fiction, interviews, photography, film. Students investigate primary documents and write expository essays.

200. Introduction to the Study of Policy Problems
   Fall, 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, Winter, Spring, 4(3-0)
   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.

220. Contemporary World Politics
   Fall, Winter, Spring, 4(3-0)
   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.

221. The American Foreign Policy Establishment
   Winter, 4(3-0) M C 220 recommended.
   Study of the foreign policy establishment. The role of the President, 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 yrs., 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.
240. Applications of Economic Policy Analysis
Fall, Spring. 4(3-0) EC 200 and EC 201 or EC 210.

Economic principles and concepts applied to contemporary economic policy problems. Emphasis on alternative explanations for selected problems, the institutions of economic policymaking and the normative implications of various policy solutions.

245. Organizational Behavior and Public Policy
Winter. 4(3-0)

Effects of organizational structure, process, and environment on implementation of public policy. Analysis of organizations through consideration of case studies.

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

The evolution of cities, from the Industrial Revolution. Particular stress will be placed upon the processes of urbanization, and upon the social, economic, and political aspects of American urban history.

251. The Contemporary American City
Winter. 4(3-0)

Analysis of urban social and political organization and the policy-making process. Selected topics such as urban neighborhoods, class and sub-culture and urban bureaucracy.

252. Urban Policy Problems
Spring. 4(3-0)

The study of contemporary urban problems, their policy implications and the role of these problems in the future cities. Students must confront alternative solutions and their value assumptions.

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 legal 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 international relations, political 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 democracy. Philosophical and political problems that characterize modern political institutions and their role in contemporary political systems.

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

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

282. Stratification: Class and Caste in Intergroup Relations I
Fall. 4(3-0)

The meaning and causes of social inequality, especially in multi-ethnic and multi-racial societies. Relations among classes and castes. Equality of opportunity, caste and class mobility.

283. Stratification: Class and Caste in Intergroup Relations II
Winter. 4(3-0) M C 282 recommended.

A continuation of M C 282.

284. Immigration, Assimilation and Pluralism
Spring of odd-numbered years. 4(3-0) Interdepartmental with the Department of History.

The dynamics of immigrant group integration in American history and the implications of immigrant experience for the creation of a diversified American social structure and nationality.

285. Nonwhite Minorities and American Pluralism
Spring of even-numbered years. 4(3-0) Interdepartmental with the Department of History.

Comparative examination of the experience of black and other non-white minorities in America. Topics include caste and class relations, mobility, assimilation and pluralism.

290. Special Topics
Fall, Winter, Spring. 4(3-0) May reenroll for a maximum of 20 credits.

Selected topics drawn from the major social, political, and economic problems confronting public policy practitioners and social scientists.

295. Independent Study
Fall, Winter, Spring, Summer. 1 to 4 credits. May reenroll for a maximum of 12 credits. Approval of college.

320. The Political Factors in Modernizing Societies
Fall, Winter, Spring. 4(3-0) M C 226.

Internal political factors related to the search for stability and development.

322. Policy Problems in International Organization
Fall. 4(3-0) M C 220 recommended.

Policy problems confronting international and supranational organizations; an examination of decision-making structures and processes.

324. Natural Resources and World Politics
Spring. 4(3-0) M C 220 recommended.

World distribution of human and physical resources and their impact on world politics; a systematic examination of one or more cases, focusing on selected underdeveloped and developed states or regions.

326. The Comparative Analysis of Foreign Policy
Fall, Winter, Spring. 4(3-0) M C 221.

Compares how the foreign policymaking process operates in different countries (developed and developing) confronted by the same problems, and how each country treats different sorts of issues (security and non-security).

328. Revolutionary Change: Theories and Cases
Winter of odd-numbered years. 4(3-0) M C 220 recommended.

Major theories of revolution and selected case studies of violent revolutionary transformations of societies, and the relationship of such cases to world politics.

IDC. Contemporary South Asia
For course description, see Interdisciplinary Courses.

342. The Budgetary Process and Program Analysis
Spring. 4(3-0) EC 200, EC 201, M C 245.

The place of the budgetary process in public policymaking. The conflicts between economic considerations, bureaucratic imperatives, and political institutions. Budgetary development and reform.

345. Economic and Social Policy and the Political Process
Winter. 4(3-0) May reenroll for a maximum of 8 credits when a different topic is taken. EC 200, EC 201.

Case study approach. A selected topic is studied in some depth, emphasizing interrelations between economic and social factors, within the context of political processes affecting program formulation and implementation.

349. Private Power and the Public Interest
Winter. 4(3-0)

Private interests' influence on public policy and the public interest. Studies of Congress, the executive branch, state legislatures and political parties. Case examples drawn from field experience with participating agencies.

351. Urban Economics
(Fall, Spring). 4(3-0) EC 200, EC 201.

Economic structure and contemporary economic conditions in American metropolis. Application of economic analysis to urban problems and policies.

352. Urban Institutions
Winter. 4(3-0) M C 251, M C 252 or approval of college.

Selected urban institutions and public policy. The city and metropolis as a setting for providing services, making regulations, and managing resources.

370. The Legal System I
Fall. 4(3-0)

Introductory study of the legal system; creation of statutes, common law rules, their application by courts and consumption by individuals, role of the legal system in formulating social policy.

371. The Legal System II
Winter. 4(3-0)

Introductory study of the legal system; creation of statutes, common law rules, their application by courts and consumption by individuals, role of the legal system in formulating social policy.
374. Theories of Justice
Spring, 4(3-0) M C 270, M C 271, M C 272 or approval of college.
Contrasting theories of the principles and problems of justice and of the conditions (psychological, social, economic and political) which make justice possible.

375. Social Ethics
Winter, 4(3-0) M C 270, M C 271, M C 272 or approval of college.
The problems of value (e.g., nihilism, alienation, technocracy) posed for the individual and society in a world shaped by advanced industrial society.

380. Social Politics of Intergroup Relations
Fall, 4(3-0)
Minority groups and movements as collective behavior phenomena. Leadership roles and organizational strategies in the 'civil rights movement'. Comparisons with racists and segregationist groups and movements.

381. Intergroup Relations and the Law
Winter, 4(3-0)
Relationship between law and opinion as it affects regulation of intergroup relations. Litigation, resolution, and administrative action. Transformation from 'de jure' to 'de facto' segregation.

383. The Jews, Anti-Semitism and Intergroup Relations
Spring, 4(3-0)
Jewish experiences viewed historically and sociologically. Particular emphasis on anti-Semitism as a social phenomenon and the relevance of the concepts of assimilation, acculturation and pluralism to Jewish experience.

390. Field Experience
Fall, Winter, Spring, Summer. 15 credits.
Participant observation in organizations currently engaged in making, influencing, implementing or analyzing policies pursued by public or private organizations relevant to college programs. Designed to provide insight into and knowledge of policy problems and the way organizations deal with them.

420. Senior Seminars in International Relations
Fall, Winter, Spring, 5(4-0) may reenroll for a maximum of 15 credits. James Madison College majors or approval of college.
Selected international issues in a seminar form. Case studies, student's field experience, seminar literature, or analysis of writings of key thinkers in the field may be emphasized.

450. Senior Seminars in Urban Community Policy Problems
Fall, Winter, Spring, 5(4-0) may reenroll for a maximum of 15 credits. James Madison College majors or approval of college.
Seminar study of selected policy problems including urban management and decision making. Case studies, student's field experience, seminar literature, or analysis of writings of key thinkers in the field may be emphasized.

470. Senior Seminars in Problems of Justice, Morality and Constitutional Democracy
Fall, Winter, Spring, 5(4-0) may reenroll for a maximum of 15 credits. James Madison College majors or approval of college.
Seminar study of selected problems in political and legal theory and their relation to policy making. Case studies, student's field experience, seminar literature, or analysis of writings of key thinkers in the field may be emphasized.

480. Senior Seminars in Intergroup Relations
Fall, Winter, Spring, 5(4-0) may reenroll for a maximum of 15 credits. James Madison College majors or approval of college.
Study and assessment of policies relating to major minority groups in a seminar form. Case studies, student's field experience, seminar literature, or analysis of writings of key thinkers in the field may be emphasized.

495. Independent Study
Fall, Winter, Spring, Summer. 1 to 4 credits. May reenroll for a maximum of 12 credits. Approval of academic adviser and instructor.

498H. Independent Study: Honors
Fall, Winter, Spring, 4 credits. May reenroll for a maximum of 12 credits. Prior approval of instructor, Madison College major or approval of instructor.
Advanced and enriched supervised study on topics related to a student's field but not available through regular curricular offerings. May be used for honors thesis.

JAPANESE

See Linguistics and Germanic, Slavic, Asian and African Languages.

JOURNALISM

College of Communication Arts and Sciences

110. Journalism in a Free Society
Fall, Winter, Spring, 3(3-0)
Examination of the role of journalism in the mass communications process and its significance in a free society.

200H. Honors Work: The Press and Contemporary Issues
Spring, 4(4-0) Minimum 3.00 grade point average; open to Freshmen; approval of school.
The press as it reflects and is affected by selected contemporary issues. Issues will be determined by their timeliness and the special qualifications and interests of the faculty member.

201. News Writing
Fall, Winter, Spring, 4(2-4) Three terms of AFA or approved substitute. Must pass typing test at 25 words per minute, administered by school, before early enrollment.
Introduction to news writing; news story style, structure, and readability.

300. Reporting
Winter, Spring, Summer, 4(2-4) 2.0 in JRN 201.
Sources, interviewing techniques, and reporting of routine stories—deaths, crimes, accidents, meetings, speeches, and simple features.

306. Electronic News
Fall, Spring, 4(2-4) JRN 300, approval of school.
Writing and editing radio and television news scripts; interviewing techniques; electronic news gathering and production techniques.

310. Introduction to Photojournalism
Fall, Winter, Spring, 4(2-4) Juniors.
Press photo content and techniques; camera and darkness operation and theory.

375. Intermediate Photojournalism
Fall, Winter, 4(3-4) JRN 310.
Stresses skill development in photographic reporting and editing; further development of technical and aesthetic control of the photographic medium in the field, studio and darkroom.

391. News Editing
Fall, Spring, 4(2-4) 2.0 in JRN 300.
Functions, responsibilities and techniques of news editing; evaluation and processing of news; headline writing; picture editing; page makeup.

403. Reporting Public Affairs
Fall, Winter, Spring, 4(2-4) 2.0 in JRN 401.
Reporting community, court, political and governmental activities.

499. Supervising High School Publications
Spring, Summer, 3(3-0) Juniors, non-majors. Interdepartmental with the Department of Teacher Education.
Staff organization, finance, law, function, and editorial policies of school newspaper and yearbooks.

412. Editorial Writing
Fall, 3(3-0) Seniors; approval of school.
Structure, style, and underlying principles of the editorial. Practice in writing editorials. Critiques of editorials.

455. Advanced Reporting
Winter, Spring, 4(2-4) JRN 402.
Interpretative reporting of public affairs and major social, political, economic issues; intensive writing practice; study of contemporary reporting problems.

422. Newspaper Editorial Management
Spring, 4(4-0) Seniors.
Editorial ethics, practices, procedures, policies, and problems, with emphasis on application at organization and administration levels.