

**421. Seminar on Recent Advances in Science and Mathematics**

Fall, Winter, Spring, Summer. 2(2-0)  
May re-enroll for a maximum of 6 credits.  
Bachelor's degree.

A structured course which cuts across the other four major offerings. Selected topics in recent developments will be discussed by staff members and guest lecturers. Recent research is stressed and effort is made to show the inter-relatedness of the topics to general science course content materials.

**432. Introduction to Meteorology**

Spring. 3(3-0) Credit may be counted in either of the cooperating departments. Interdisciplinary with the Departments of Agricultural Engineering and Geology. Administered by the Agricultural Engineering Department.

A purview of atmospheric science including a study of the interactions between meteorology and living organisms.

**433. Introductory Meteorology Laboratory**

Spring. 1(0-2) 432 or concurrently.

Credit may be counted in either of the cooperating departments. Interdisciplinary with the Departments of Agricultural Engineering and Geology. Administered by the Agricultural Engineering Department.

Weather map analysis, meteorological experimentation and instrumentation.

**435. Microclimatology**

Fall. 3(3-0) MTH 108. Administered by Agricultural Engineering Department.

The physical environment in the lower few hundred meters of the atmosphere and within the biosphere is described and the components of the energy budget are qualitatively evaluated.

**476. Canadian-American Studies**

Spring. 4(3-0) May re-enroll for a maximum of 8 credits. Credits may be counted in any of the cooperating departments. Interdisciplinary with the following: Anthropology, Secondary Education, English, Geography, History, and Romance Languages. Administered by the Canadian-American Studies Committee. Juniors.

Introduction to Canadian-American Studies. Materials from various disciplines enable the student to integrate subject-matter, areas, and methodology. Content varies from term to term, but course is always focused upon significant issues and subjects in the interrelated fields of Canada and the United States.

**800V. Distinguished Visiting Professor Series**

Fall, Winter, Spring. Variable credit.  
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.

**803. Seminar in Industrial Relations**

Fall, Winter, Spring. 4(3-0) May re-enroll for a maximum of 16 credits, all applicable to the student's major field, with approval of the student's major department. Conducted jointly by the Departments of Economics, Management, Political Science, Psychology, and Sociology, and the School of Labor and Industrial Relations. Administered by the School of Labor and Industrial Relations.

Research and literature in industrial relations with emphasis on current research.

**838. Interdisciplinary Seminar on Africa**

Fall. 4 credits. Approval of department. Credits may be counted in any of the cooperating departments. Interdisciplinary with the following departments: Anthropology, Economics, Education, Geography, History, Linguistics, Political Science, and Sociology. Administered by the Anthropology Department.

Behavioral science problems in an African setting, viewed from perspective of relevant social science and humanistic disciplines associated with the African Studies Center.

**879. Interdisciplinary Seminar: Behavioral and Historical Approaches to Problems of Selected Foreign Areas**

Winter, Spring. 3(3-0) May re-enroll for a maximum of 12 credits, all applicable to the student's major field, with approval of the student's major department. Conducted jointly by the Departments of Agricultural Economics, Anthropology, Economics, Geography, History, Political Science, Psychology, and Sociology.

An exploration of major problems of various foreign areas. The problems and areas under discussion vary from term to term. Members of the American Universities Field Staff with recent experience abroad participate as invited lecturers and discussants.

**ITALIAN**

See Romance Languages

**JAMES MADISON COLLEGE**

M C

**111. American Thought and Language**

Fall. 3(3-1) Students may not receive credit in both M C 111 and ATL 111.

Emphasis is on language skills, particularly expository writing and effective reading through the use of selected American documents, political, social and literary.

**112. American Thought and Language**

Winter. 3(3-1) 111. Students may not receive credit in both M C 112 and ATL 112. Continuation of 111.

**113. American Thought and Language**

Spring. 3(3-1) 112. Students may not receive credit in both M C 113 and ATL 113. Continuation of 112.

**191. Natural Science**

Fall. 4(2-3) Students may not receive credit in both M C 191 and N S 191.

The role played by theories in physical science in man's attempt to find a unified view of nature. The Copernican Revolution and molecular and atomic theories related to man's concept of the universe and the nature of matter. Emphasis is placed on the social and philosophical preconditions necessary for the development and modification of scientific ideas.

**192. Natural Science**

Winter. 4(2-3) 191. Students may not receive credit in both M C 192 and N S 192.

Development and structure of the theory of the cell and the theory of the gene with subsequent modifications of these theories as new data are gathered. Emphasis is on the nature and limitations of scientific knowledge.

**193. Natural Science**

Spring. 4(2-3) 192. Students may not receive credit in both M C 193 and N S 193.

Some major controversies in science: Neptunism vs. Plutonism, Catastrophism vs. Uniformitarianism, and Organic Evolution vs. Fixity of Species. Emphasis is placed on the development of the controversies, their resolution and the impact of the controversies on both science and society.

**200. Introduction to the Study of Policy Problems**

Fall, Winter. 4(2-2)

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, Spring. 4(2-2) 200.

Continuation of 200.

**202. Introduction to the study of Policy Problems**

Fall, Spring. 4(2-2) 201.

Continuation of 201.

**204. Mathematics for Social Scientists**

Fall, Winter. 4(2-2)

Introduction to probability theory, conditions of uncertainty, set theory, matrix algebra, and statistical tests. Applications to social science research.

**205. Methodology for Policy Sciences**

Fall, Winter, Spring. 4(3-1)

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**

Fall. 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**

Winter, Spring. 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. The International Society**

Winter. 4(3-0)

Interrelations of nations reflected in political, economic and military histories, power capabilities, instruments to implement foreign policies; the international system, diplomacy, balance of power, implications of mass destruction; world community.

**230. Education and Poverty**

Spring. 4(3-0)

The relationship between education, poverty, and the institutional structures affecting the distribution of opportunity in technologically advanced societies. Surveys current theoretical and empirical literature and explores relevant major sociological and psychological concepts.

**250. Historical Development of Urban Society**  
Fall. 4(3-0)

The evolution of cities, especially since the industrial revolution. Particular stress will be placed on urban anthropology and urban economic history. Emphasizes policy science orientation.

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

Analysis of the systemic nature of current urban patterns, emphasizing the linkages among the social sciences. Selected topics such as urban transportation systems or urban aesthetics will demonstrate these interconnections.

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

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

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

An introduction to some of the major problems of politics as reflected in various significant political philosophies. Problems considered will include constitutionalism, equality, federalism, representation, minority rights.

**271. Legal and Political Theory II**  
Winter. 4(3-0)

An introduction to some of the major problems of politics as reflected in various significant political philosophies. Problems considered will include constitutionalism, equality, federalism, representation, minority rights.

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

Critical examination of selected social problems from viewpoint of normative ethics. No single normative position will be selected as definitive but several will be evaluated, i.e., utilitarianism, Kantianism, intuitionism, pragmatism.

**274. Social Problems and Human Values II**  
Spring. 4(3-0)

Critical examination of selected social problems from viewpoint of normative ethics. No single normative position will be selected as definitive but several will be evaluated, i.e., utilitarianism, Kantianism, intuitionism, pragmatism.

**280. The Study of Intergroup Relations**  
Fall. 4(3-0)

An examination of social science literature analyzing intergroup relations. Topics include race and racism, ethnicity and religious sectarianism, the social and psychological roots of prejudice and the institutionalization of discrimination.

**281. Immigration, Assimilation and Pluralism**  
Winter. 4(3-0)

Relationships between immigrant groups primarily from an historical point of view. Theories of Americanization, assimilation vs. cultural pluralism, and restrictionist legislation.

**290. Special Topics**

Fall, Winter, Spring. 4(3-0) May re-enroll for a maximum of 12 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. 1 to 4 credits.  
May re-enroll for a maximum of 12 credits. Approval of college.

**320. Political Stability and Modernization**  
Spring. 4(3-0)

The concepts of political stability and legitimacy, and the influence of ideology. Development and modernization and their impact on societal dynamics; roles of the military and other institutionalized groupings.

**322. Impact of Religion on Public Policy**  
Winter. 4(3-0)

A study of Catholicism, Falangism, Buddhist revitalization, Zionism, Pan-Arabism, Soka Gakkai; the growing influence of these and other belief systems and ideologies on public policy formulation.

**324. Natural Resources and Social Institutions**  
Fall. 4(3-0)

Examination of human and physical resources of the world and their impact on social institutions, a systematic analysis of the factors that control the allocation of resources for human ends.

**326. Human Problems in Social Change**  
Fall. 4(3-0)

The gap between rich and poor nations stimulates political instability and international tensions; the course examines how current theory guides the introduction of science, technology, and education in developing nations.

**328. Revolutionary Change: Theories, Principles, Cases**  
Winter, Spring. 4(3-0)

Study of the major theories of revolution, historical and contemporary, with selected case studies in the use of violence and destruction to achieve fundamental transformations in society.

**341. Manpower Policy Problems and Institutions**  
Winter. 4(3-0)

Labor force composition, measurement concepts and significance of future trends; evaluation of the public employment service and various vocational, apprenticeship and retraining programs as components of an active manpower policy.

**343. Population Problems in a Changing America**  
Fall. 4(3-0)

Theories of demography; an examination of population composition and future trends; emphasis on the social, economic and fiscal implications of population growth and distribution in urban and rural America.

**346. The Poor and Disadvantaged in Industrial Societies**  
Spring. 4(3-0)

The historical, institutional, economic and social aspects of welfare problems and policy in the United States with appropriate reference to the experience of other countries.

**350. Community Problems in Mental Health**  
Winter. 4(3-0)

Particular attention will be devoted to the causes of human stress and the relationship between stress and mental health.

**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)

Consideration of contrasting theories of justice. Plato, Kant, Mill and Locke will be examined and contrasted with legal positivism and communism. Attention also given prominent non-Western theories of justice.

**375. Social Ethics**  
Fall. 4(3-0)

Interpretations of what normative standards mean in terms of current meta-ethical theories. Implication of interpretations when applied to such social problems as civil disobedience, public interest, education, and constitutionalism.

**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, legislation and administrative action. Transformation from *de jure* to *de facto* segregation.

**382. Religion and Intergroup Relations**  
Winter, Spring. 4(3-0)

Religious doctrine as source of attitudes and ideas relevant to intergroup relations. Sectarian organization as source of conflict. Church-state policy problems. Church-sponsored programs and role of the ministry in intergroup relations.

**385. Black Protest Thought**  
Spring. 4(3-0)

Alternative major doctrines and policy proposals concerning race relations as expressed by such spokesmen as Booker T. Washington, W. E. B. DuBois, Martin Luther King, Jr., and Malcolm X.

**390. Field Experience**  
Fall, Winter, Spring, Summer. 15 credits. Juniors.

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. Case Studies in International Relations**  
Fall, Winter, Spring. 5(4-0) May re-enroll for a maximum of 15 credits.

Examination of selected major international issues confronting the United States. Utilizes students' field experience.

**422. Problems in Establishing World Order**

Fall. 4(3-0)

World organization in a period of nation-states; trends in international peace-keeping; regional approaches; international systems and international law.

**424. International Conflict and the Future of Man**

Winter, Spring. 4(3-0)

Study of the accommodation of competitive political interests and the resolution of international conflict with special attention to the problems of negotiation, diplomacy, war, and world organization.

**440. Case Studies in Economic and Social Policy Problems**

Fall, Winter, Spring. 5(4-0) May re-enroll for a maximum of 15 credits.

A senior seminar which would examine, from the standpoint of individual students' field experience and a national and international perspective, contemporary social and economic issues.

**443. National Social Policy and the Political Process**

Winter. 4(3-0)

An examination through the use of the case-study method of the relationship between social policy and the political process.

**444. National Economic Policy and the Political Process**

Fall. 4(3-0)

An examination through the use of the case study method of the relationship between economic policy and the political process.

**450. Case Studies in Urban Community Policy Problems**

Fall, Winter, Spring. 5(4-0) May re-enroll for a maximum of 15 credits.

Selected policy problems. Particular attention will be given to urban management, including complex networks of urban decision-making. Analysis of students' field experiences. Guest speakers and urban games will be utilized.

**452. Urban Economics**

Fall. 4(3-0)

Study of economic structure and contemporary economic problems in the American metropolis. Includes such topics as the economic base of cities, income and capital flow, and unemployment.

**470. Case Studies in Problems of Justice, Morality and Constitutional Democracy**

Fall, Winter, Spring. 5(4-0) May re-enroll for a maximum of 15 credits.

An intensive study of selected problems in political, legal and value theory and their relations to social policy making.

**480. Case Studies in Intergroup Relations**

Fall, Winter, Spring. 5(4-0) May re-enroll for a maximum of 15 credits.

Analysis of case histories as a basis for establishing policies for dealing with major minority groups (Negro, Puerto Rican, Appalachian White, Indian). Utilizes field experience of students.

**JAPANESE**

See Linguistics and Oriental and African Languages

**JOURNALISM**

JRN

**College of Communication Arts****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 3.0 grade-point average; not 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) COM 100, ATL 113. Minimum ability to type.

Introduction to news writing; news story style, structure, and readability.

**300. Reporting**

Fall, Winter, Spring, Summer. 4(2-6) 201, Juniors or approved of school. Minimum ability to type.

Sources, interviewing techniques, and reporting of routine stories—deaths, crimes, accidents, meetings, speeches, and simple features.

**306. Television and Radio News**

Fall, Spring. 4(2-4) 201 or approval of school.

Writing news scripts; wire service material for television and radio. Work in WMSB television newsroom.

**310. Introduction to Photo-Journalism**

Fall, Winter, Spring. 4(2-4) 300.

Practice and discussion of press camera techniques; developing, printing, and enlarging.

**318. Technical Writing**

Fall, Winter, Spring. 3(3-0) Juniors; non-majors.

Training and practice in preparing popular articles on technical subjects.

**402. Supervising High School Publications**

Spring, Summer. 3(3-0) Juniors; non-majors. Interdepartmental with Education. Staff organization, make-up, illustration, copy preparation, advertising, and editorial policies of school newspapers and yearbooks.

**403. Reporting Public Affairs**

Fall, Winter. 4(2-4) 300.

Reporting community, court, and local government activities.

**407. Science Writing**

Fall, Spring, Summer. 3(3-0) Majors: 300; others: 201.

Development of science writing, problems of the journalist in covering science, practice in the reporting of scientific and technical developments.

**412. Editorial Writing**

Spring. 3(3-0) Seniors; approval of school.

Planning the editorial page; structure, style, and underlying principles of the editorial. Practice in writing editorials and columns.

**415. Advanced Reporting**

Winter, Spring. 4(0-8) 403.

Interpretive reporting in special fields.

**419. News Editing**

Fall, Winter, Spring. 4(2-2) 300.

Functions, responsibilities and techniques of news editing; evaluation and processing of news; headline writing; selection and treatment of news pictures; page make-up. One arranged session weekly on State News copydesk or other professional publication.

**422. Newspaper Editorial Management**

Winter. 4(4-0) Seniors.

Editorial ethics, practices, procedures, policies, and problems, with emphasis on application at organization and administration levels.

**428. History of Journalism**

Fall, Winter. 3(3-0) Juniors. Required of majors.

Critical analysis of the history of the mass media of communications.

**430. Law of the Press**

Fall, Winter, Spring. 4(3-0) Seniors.

Legal problems in gathering, publishing, and commenting on the news; principles of freedom of the press and of copyright.

**431. Senior Seminar**

Fall, Winter, Spring. 3(5-0) Seniors.

Problems in contemporary society.

**432. Magazine Feature Articles**

(309.) Fall, Winter, Spring. 4(4-0) Juniors; majors: 300.

Practice in planning and gathering material for organizing, writing, and rewriting features for magazine publication. Emphasis on market analysis.

**434. Magazine Editing and Publishing**

Winter, Spring. 4(2-2) Majors: 300, ADV 307; others; approval of school.

Planning, production, circulation, and advertising procedure for company publications, trade magazines, and general magazines of specialized or broad appeal.

**470. Survey of Mass Communications Research**

Winter. 3(3-0) Seniors.

Types and variety of research materials available for communications and social science research; location of source materials; use of library materials for research and report writing.

**475. International Press Communications**

Fall, Winter. 4(4-0)

Concepts and practices of journalism around the world; the international flow of news; news-gathering agencies and their sources; the work of foreign correspondents; news centers of the world; freedom of information.

**476. The Press in Democratic Societies**

Winter. 4(4-0) 475.

Comparative development of communication systems; their political, cultural, and economic roots; role of the media; extent of freedom and control; what the media report; professional education and training.

**477. The Press in Authoritarian Societies**

Spring. 4(4-0) 475.

Development of media in authoritarian systems; historical and philosophical roots, political and informative roles of the media; methods of control; training of journalists.