

241. Humanities

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

- A. Western culture through a study of its origins in the civilizations of Greece and Rome and in the Judeo-Christian tradition. Uses an anthology of source readings, selected paperbacks, and other examples from the fields of history, literature, philosophy, religion and art. Equal emphasis to all subject areas in the course.
- B. Western culture through a study of its origins in the civilizations of Greece and Rome and in the Judeo-Christian tradition. Uses whole works as source readings from the fields of history, literature, philosophy, religion and art.
- C. Western culture through a study of its origins in the civilizations of Greece and Rome and in the Judeo-Christian tradition. Uses an anthology of source readings, selected paperbacks, and other examples from the fields of history, literature, philosophy, religion and art. Emphasizes art and uses a more elaborate art text than 241A and 241B.
- H. Honors track. Western culture through a study of its origins in the civilizations of Greece and Rome and in the Judeo-Christian tradition. Uses an anthology of source readings, selected paperbacks, and other examples from the fields of history, literature, philosophy, religion and art.

242. Humanities

Fall, Winter, Spring, Summer. 4(4-0)
Four credits in a 241 track.

- A. Continuation of 241A. Deals with the medieval and early modern stages of Western culture.
- B. Continuation of 241B. Deals with the medieval and early modern stages of Western culture.
- C. Continuation of 241C. Deals with the medieval and early modern stages of Western culture.
- H. Continuation of 241H. Honors track. Deals with the medieval and early modern stages of Western culture.

243. Humanities

Fall, Winter, Spring, Summer. 4(4-0)
Four credits in a 242 track.

- A. Continuation of 242A. Considers aspects of modern Western culture since 1789.
- B. Continuation of 242B. Considers aspects of modern Western culture since 1789.
- C. Continuation of 242C. Considers aspects of modern Western culture since 1789.
- H. Continuation of 242H. Honors track. Considers aspects of modern Western culture since 1789.

250. Traditions of the Orient

Fall, Winter, Spring, Summer. 4(4-0)
May re-enroll for credit when new area is given. Not open to Freshmen.

Major cultural traditions of the Orient. Focus is upon historical views of god, man, and society as seen in sacred and secular literature and in works of art.

- A. China
- B. India
- C. Japan
- D. Islamic Civilization

300. Supervised Individual Study

Fall, Winter, Spring. 1 to 4 credits.
243; approval of department.

Selected students requesting individual study of interdisciplinary problems will work under supervision of University College professors. Variable elective credit will be determined when the student secures instructor, adviser, and department approval.

341. The Humanities in the Contemporary World

Winter, Spring. 4(4-0) Approval of department. Not open to Freshmen.

Interdisciplinary study of the literature, philosophy, religion, architecture, painting, sculpture, music, film, and other performing arts of the era since 1945 as they reflect and influence the character of contemporary civilization.

IMPROVEMENT SERVICES

I S

All University

094. Arithmetic Improvement Service

Fall, Winter, Spring, Summer. 0(2-0)
[2(2-0)]†.

Instruction and practice in addition, subtraction, multiplication, and division of whole numbers, common and decimal fractions; problems involving percent; simple problems in ratio and proportion; and one-step equations.

INSTITUTION ADMINISTRATION

I A

College of Home Economics

322. Quantity Food Production

Fall, Winter, Spring. 4(2-4) Juniors;
FN 220.

Experience in quantity food production; personnel problems; cost control.

325. Institution Management

Spring. 3(3-0) Juniors.

Principles of effective management with emphasis on techniques of supervision for controlling costs in quantity food service operations.

400. Independent Study

Fall, Winter, Spring. Variable credit.
May re-enroll for a maximum of 6 credits.
Seniors; approval of department.

Individual study of specific problems in food service management of hospitals, restaurants, college housing units, and the federal school lunch program under staff guidance.

424. Institution Equipment and Layout

Winter. 3(2-2) 322 or concurrently.
Selection of equipment and principles of layout for food service organizations.

426. Institution Marketing

Fall. 3(2-2) S S 233 or EC 200.
Standards of quality, distribution and storage of food supplies to serve as a basis for purchase of such commodities for institution food service.

†See page A-2 item [3]

428. Advanced Food Production Management

Fall, Winter, Spring. 4(2-4) 322,
325.

Experience in food administration. University food services are used for training centers.

800. Seminar in Institution Administration

Fall, Winter, Spring, Summer. 1 to 3 credits.
May re-enroll for a maximum of 8 credits.
Approval of department.

803. Problems in Institution Administration

Fall, Winter, Spring. Variable credit.
Approval of department.

813. Special Studies in Institution Administration

Fall, Winter, Spring, Summer. Variable credit.
Approval of department.

Special studies in experimental foods, equipment and layout, management, marketing, and school food service.

899. Research

Fall, Winter, Spring, Summer. Variable credit.
Approval of department.

INTERDISCIPLINARY COURSES

IDC

All University

200. Resource Ecology and Man

Fall. 3(3-0) Interdisciplinary with the following departments: Anthropology, Botany and Plant Pathology, Fisheries and Wildlife, Forestry, Geography, Park and Recreation Resources, Resource Development, and Zoology. Administered by the Fisheries and Wildlife Department.

Mechanisms by which the environment regulates man and his resources. Ecology as the unifying basis for resource management. Resource conservation policy and environmental health.

390. Survey of Subsaharan Africa

Winter. 4(4-0) Credits may be counted in any of the cooperating departments. Interdisciplinary with the following departments cooperating: Anthropology, Geography, History, Political Science, and Sociology. Administered by the Geography Department.

Africa introduced through integration of the approaches of several disciplines in the social sciences and humanities. Designed as basis for further work in departmental African area courses.

391. Survey of Subsaharan Africa

Spring. 4(4-0) Credits may be counted in any of the cooperating departments listed in 390. Administered by the Geography Department. Continuation of 390.

400V. 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.

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.