HUMAN NUTRITION AND FOODS

See Food Science and Human Nutrition

IMPROVEMENT SERVICE

All University

194. Quantitative Techniques
Fall, Winter, Spring, Summer. 2(3-0)
Predisability test referral or approval of department.
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 conversion; bases other than ten. Approved through Fall term 1978.

INTERDISCIPLINARY COURSES

All University

100. Career Planning and Academic Programming
Winter, Spring. 1(1-0) Administered by University College.
Philosophical and practical aspects of making career choices and designing academic programs to meet career objectives. Tools and techniques for self-evaluation and evaluation of career alternatives; employability, trends in occupations.

200. Resource Ecology and Man
Fall, Winter, Spring, 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 quality.

211. Introduction to Latin America I
Fall, Winter, 3(3-0) Interdisciplinary with the departments of Anthropology, Geography, Music and Romance and Classical Languages. Administered by the Department of Romance and Classical Languages.
Specialists in Latin American geography, anthropology, cultural anthropology, and music introduced the student to life in Central and South America.

212. Introduction to Latin America II
Winter, 3(3-0) Interdisciplinary with the departments of Art, Romance and Classical Languages and Sociology. Administered by the Department of Romance and Classical Languages.
Specialists in the historical literature, art and sociology of Latin America introduce the student to the culture of the area.

220. The Politics of Ecology
Spring, 4(3-0) Interdisciplinary with the departments of Political Sciences and Social Science and administered by the Department of Social Science.
Political considerations fundamental to environmental issues. Theory, practice, and prescriptions for action are included. Economic, legal, and ethical factors influencing public policy decisions will be emphasized.

255. Continuing Revolution in China: Problems and Approaches (389.) Fall, 4(4-0) Interdisciplinary with the departments of Anthropology, Geography, History and Political Science and James Madison College. Administered by the Department of History.
The continuing revolution in China viewed first historically, then as it has affected the various sectors of Chinese society, and finally as it has affected China's relations with other nations.

256. Energy Consumption and Environmental Quality (LBC 256.) Spring, 3(3-0) Interdisciplinary with Lyman Briggs College and the Physics Department. Administered by Lyman Briggs College.
The role of energy as a fundamental pollutant will be discussed along with the availability of fossil energy sources. Limitations on safe utilization of both fossil and nuclear energy will also be considered.

341. Contemporary Problems of South Asia
Spring, 4(3-0) Not open to Freshmen. Interdisciplinary with the departments of Anthropology, Geography, and Political Science and administered by the Department of Political Science.
Current problems in India, Pakistan and adjoining areas, studied through regional case studies of population growth, agricultural and industrial development, urbanization, and internal and international political and economic relationships.

344. Modernization: India, Pakistan, Bangladesh
Winter, 4(4-0) Not open to freshmen. Administered by the Department of Social Science.
Social, economic, and political development of three nations in the change from traditional, non-industrial, formerly colonial nations to the modern industrializing stage as independent nations.
435. Microclimatology
Fall, 3(3-0) MTH 108. Administered by the Department of Agricultural Engineering.
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.

447. Refugees, Displaced Persons, Hostages, Exiles
(S47) Spring, 4(4-0) Junior. Interdisciplinary with the departments of History, Political Science, Social Science and Sociology administered by the Department of Social Science.
The new refugeehood is caused mainly by the new nations' emergence into independence. Concepts examined include political causes and solutions, shocks and adjustments of assimilation, social life and organizations of refugees.

460. Biological Membranes
Spring, 3(3-0) BCH 401. Interdisciplinary with the departments of Biochemistry, Biophysics, Microbiology and Public Health and Physiology. Administered by the Department of Physiology.
The chemistry, physics and mathematics of the permeability, energy transactions and surface functions of differentiated cell membranes and membrane organelles are compared. A brief discussion of theoretical and experimental models is summarized.

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

Winter, 4(3-0) Interdisciplinary with the following departments: Agriculture, Animal Husbandry, Crop and Soil Sciences, Dairy Science, Large Animal Surgery and Medicine, and Poultry Science, and administered by the Department of Animal Husbandry.
Role of the domesticated animal resources of the underdeveloped world as managed by man to produce essential nutrients to alleviate starvation and deficiency disease and in diversifying economic development in the utilization of land resources.

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.

111. Identity and Community in America: An Approach to Writing
Fall, 3(3-0) Students may not receive credit in both M C 111 and ATL 181, 131, 141, 151, 161, 171, 181, 191B.

112. Identity and Community in America: An Approach to Writing
Winter, 3(3-0) Students may not receive credit in both M C 111 and ATL 122, 135, 142, 152, 163, 172, 182, 192H.

113. Identity and Community in America: An Approach to Writing
Spring, 3(3-0) Students may not receive credit in both M C 113 and ATL 152, 153, 149, 162, 163, 173, 182, 193H.

200. Introduction to the Study of Policy Problems
Fall, Winter, 4(3-0) 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(2-2) 200.
Continuation of 200.

202. Introduction to the Study of Policy Problems
Spring, 4(2-2) 201.
Continuation of 201.

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
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
Winter, 4(3-0) Students may not receive credit in both M C 218 and FLS 170.

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

226. Socio-Cultural Factors in Developmental Change
Spring, 4(3-0) 220 recommended.

251. The Contemporary American City
Winter, 4(3-0) 249 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.

255. Applications of Economic Policy Analysis
Spring, 4(3-0) EC 200 and 201 or 210.
Economic principles and concepts applied to contemporary economic policy problems. Emphasis on alternative explanations for selected problems, the institutions of economic policymaking and normative implications of various policy solutions.

269. Historical Development of Urban Society
Winter, 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 urban history.

281. 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.

282. 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.