534. Human Biology and Behavior
Spring, 1 to 8 credits. 533 or approval of department. Continuation of 533.

590. Special Problems in Human Medicine
Fall, Winter, Spring, Summer. 1 to 6 credits. May re-enroll for a maximum of 18 credits. Human Medicine students or approval of department.

Each student will work under direction of a faculty member of the college on an experimental, theoretical or applied problem. A student should employ this college level course, as distinguished from the departmental level special problems course, when his topic of interest seems to require a broad multidisciplinary approach.

602. Fundamentals of Patient Care
Fall, Winter, Spring, Summer. 15 credits. Approval of department.

Introductory clinical experiences using selected patients with a broad spectrum of medical, surgical, pediatric, and psychiatric problems. History taking, physical examination and problem formulation are taught as a basis for rational and effective patient care.

603. Sub-Specialty Clerkships
Fall, Winter, Spring, Summer. 1 to 17 credits. May re-enroll for a maximum of 41 credits. 602.

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

608. Radiology Clerkship
Fall, Winter, Spring, Summer. 1 to 17 credits. May re-enroll for a maximum of 34 credits. 602.

Office and hospital based experiences to acquaint the student with basic radiological information and develop X-ray interpretation skills.

610. Family Practice Clerkship
Fall, Winter, Spring, Summer. 1 to 17 credits. May re-enroll for a maximum of 43 credits. 602.

A clerkship in a model family practice unit with graded responsibility and supervision in the care of families and their medical problems with emphasis on primary, continuing and comprehensive care.

611. Anesthesiology Clerkship
Fall, Winter, Spring, Summer. 1 to 17 credits. May re-enroll for a maximum of 34 credits. 602.

Introducing common anesthetic agents and techniques, the Anesthesiology Clerkship stresses pre-operative evaluation of physical and psychological status of patients and provides opportunity for performance of anesthetic procedures under supervision.

HUMAN NUTRITION AND FOODS
See Food Science and Human Nutrition

IMPROVEMENT SERVICES

1S

All University

194. Quantitative Techniques
Fall, Winter, Spring. 3(2-0) Proficiency test referral or approval of department.

Number system; rounding and estimating; fractions; decimals; percent; equations; formulas; directed and inverse proportion, including graphical problem solving or applications; multiplication and division by powers of ten and their multiples; scientific notation; metric system conversions; basic word problems.

INTERDISCIPLINARY COURSES

IDC

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 health.

201. Introduction to Environmental Systems
(SYS 150) Fall, Winter, Spring. 3(3-0) Interdisciplinary with Systems Science and Engineering. Administered by Systems Science.

Basic systems concepts presented in a non-mathematical manner. Application to selected ecological topics, e.g., energy, water quality, food production, population dynamics, Intercourse models provide opportunity for students to play decision-making role.

203. Introduction to Study of the Moon
Spring. 3(3-0) Interdisciplinary with the departments of Astronomy, Geography, and Geology and administered by the Geology Department.

Lunar science presented from the viewpoints of astronomy, geography and geology with particular emphasis on the increasing importance of the moon in man's present and future. Evening lunar observations required.

220. The Politics of Ecology
Spring. 4(3-0) Interdisciplinary with the departments of Political Science and Social Science and administered by the Department of Political 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.

240. Religious Groups in Modern America
Fall, Winter, Spring. 3(3-0) Interdisciplinary with Justin Morrill College and the Department of Religious Studies. Administered by the Department of Religious Studies.

Basic beliefs, history and practices of modern religious movements in the U.S. Groups studied include those usually overlooked in basic courses, e.g., Bahai, Satanism, Rosicrucianism, Krishna Movement, Divine Light.

255. Continuing Revolution in China: Problems and Approaches
Fall, Winter, Spring. 4(3-0) Interdisciplinary with the departments of Anthropology, Geography, and History and administered by the Department of History.

The continuing revolution in China viewed first historically, then as it has affected various sectors of Chinese society, and finally as it has affected China's relations with other nations.

256. Energy Consumption and Environmental Quality
Fall, Winter, Spring. 4(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 the safe utilization of both fossil and nuclear energy will also be considered.

260. Human Adjustment to Environment
Winter. 4(4-0) Completion of University College natural science and social science sequence. Sophomores. Interdisciplinary with the colleges of Social Science and Natural Science.

Our life support system and our energy and resource base; social, political, economic and philosophical concerns and consequences of observed and predictable trends for life in a finite environment. Local field trips.

245. Modernization: The Middle East
Winter, Spring. 4(4-0) Not open to Freshmen. Interdisciplinary with the departments of Anthropology, Geography, 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.

244. Modernization: India and Japan
Winter, Spring. 4(4-0) Not open to Freshmen. Administered by the Department of Social Science.

Social, economic, and political development of non-western cultures in the movement from the traditional, non-industrial to the modernizing, industrializing stage.

245. Modernization: The Middle East
Winter, Spring. 4(4-0) Not open to Freshmen. Administered by the Department of Social Science.

Social, economic, and political development of non-western cultures in the movement from the traditional, non-industrial to the modernizing, industrializing stage.
346. Far East: Contemporary Issues and Problems
Spring. 4(4-0) 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.

347. Refugees, Displaced Persons, Hostages, Exiles
Spring. 4(4-0) Juniors. Interdisciplinary with the departments of History, Political Science, Social Science and Sociology and administered by the Department of Social Science.

384. Contemporary Problems of Japan
Fall. 3(3-0) Not open to Freshmen. Interdisciplinary with the departments of Geography, History, and administered by the Department of Geography.

390. Survey of Sub-Saharan 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.

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.

411. Seminar on Recent Advances in Science and Mathematics
Fall, Winter, Spring. 2(2-0) May re-enroll for a maximum of 8 credits. Bachelor's degree.

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

433. Introductory Meteorology Laboratory
Spring. 1(2-2) 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.

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

470. Biological Membranes
Spring. 3(3-0) BCH 402. Interdisciplinary with the departments of Biochemistry, Biophysics, Microbiology and Public Health and Physiology. Administered by the Department of Physiology.

488. Canadian-American Studies
Fall. 3(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, Marketing and Transportation Administration, and Romance Languages. Administered by the Canadian-American Studies Committee.

503. Seminar in Industrial Relations
Fall, Winter, Spring. 4(2-2) May re-enroll for a maximum of 18 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 of the School of Labor and Industrial Relations. Administered by the School of Labor and Industrial Relations.

505. 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.