282. Humanities: Music and Western Culture
(243E.) Winter. 4(4-0) Sophomores; preferred; or 201, 211, 231, 232, or 281H.
Interrelationships of music with other aspects of medieval and early modern Western culture.

283. Humanities: Music and Western Culture
(243E.) Spring. 4(4-0) Sophomores; preferred; or 203, 212, 222, 332, or 282H.
Interrelationships of music with other aspects of modern Western culture since 1700.

281H. Humanities: Honors Course
(241H.) Fall. 4(4-0) Sophomores; approval of department.
Western culture through its origins in the civilizations of Greece and Rome and in the Judeo-Christian tradition. Uses history and art texts, selected paperbacks, and other examples from the fields of history, literature, philosophy, religion, and art.

282H. Humanities: Honors Course
(242H.) Winter. 4(4-0) Sophomores; approval of department.
Deals with the medieval and early modern stages of Western civilization.

283H. Humanities: Honors Course
(243H.) Spring. 4(4-0) Sophomores; approval of department.
Deals with modern Western culture since 1700.

291. The Cultural Traditions of China
(250A.) Fall, Winter, Spring. 4(4-0)
An interdisciplinary study of major artistic, literary, musical, philosophical, and religious aspects of the culture of China in historical context.

292. The Cultural Traditions of India
(250B.) Fall, Winter, Spring. 4(4-0)
An interdisciplinary study of major artistic, literary, philosophical, and religious aspects of the culture of India in historical context.

293. The Cultural Traditions of Japan
(250C.) Fall, Winter, Spring. 4(4-0)
An interdisciplinary study of major artistic, literary, and religious aspects of the culture of Japan in historical context.

294. The Cultural Traditions of the Islamic World
(250D.) Fall, Winter, Spring. 4(4-0)
An interdisciplinary study of major artistic, literary, philosophical, and religious aspects of the culture of the Islamic world in historical context.

295. The Cultural Traditions of Sub-Saharan Africa
(251.) Fall, Winter, Spring. 4(4-0)
An interdisciplinary study of major artistic, literary, musical, philosophical, and religious aspects of the culture of Sub-Saharan Africa in historical context.

300. Supervised Individual Study
Fall, Winter, Spring. 2 to 4 credits.
Eight credits above the 100 level in the Humanities Department; 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.

311. Great Cities, Arts, and Ideas: The Western Classical Age
Fall. 4(4-0) Juniors.
The humanities in an urban culture during the Western classical age. Major ideas and works of art and literature, their significance to the city's life, and their continuing influence. Cities will be Athens or Rome.

312. Great Cities, Arts, and Ideas: The Renaissance
Winter. 4(4-0) Juniors.
The humanities in an urban culture during the Renaissance. Major ideas and works of art and literature, their significance in the city's life, and their continuing influence. Cities will be Florence, Rome, or Paris.

313. Great Cities, Arts, and Ideas: The Enlightenment
Spring. 4(4-0) Juniors.
The humanities in an urban culture during the century of the French Revolution. Major ideas, works of art and literature, their significance in the city's life and their continuing influence. Cities will be Paris or London.

341. The Humanities in the Contemporary World
Fall, Winter, Spring. 4(4-0) Juniors.
Precious studies in the humanities are recommended.
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.
532. Human Biology and Behavior
Fall. 1 to 8 credits. 531 or approval of department.
Continuation of 531.

533. Human Biology and Behavior
Winter. 1 to 8 credits. 533 or approval of department.
Continuation of 532.

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 12 credits. Human Medicine students.
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. 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. Human Biology and Behavior
Spring. Variable credit. May re-enroll for a maximum of 15 credits. 602.
Continuation of 602.

608. Sub-Specialty Clerkships
Fall, Winter, Spring. 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.

609. Radiology Clerkship
Fall, Winter, Spring. 1 to 17 credits. May re-enroll for a maximum of 34 credits. 602.
Office and hospital based experience to acquaint the student with basic radiological information and develop X-ray interpretation skills.

610. Family Practice Clerkship
Fall, Winter, Spring. 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. 1 to 17 credits. May re-enroll for a maximum of 34 credits. 602.
Introducing common anesthetic agents and techniques, the Anesthesia Clerkship stresses preoperative 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

All University

194. Quantitative Techniques
Fall, Winter, Spring. 2(2-0) Proficiency 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 conversions; bases other than ten.

INTERDISCIPLINARY COURSES

IDC

All University

100. Career Planning and Academic Programming
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, 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
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. Interactive models provide opportunity for students to play decision-making role.

263. 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 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.

221. The Role of Helping Professions and Organizations in Community Services
Fall, Winter, Spring. 4(3-0) Interdisciplinary with Justin Merrill College and the Department of Family Ecology. Administered by the Department of Family Ecology.
Analysis of human and community needs; review and examination of existing and emerging resources to meet these needs; role of professionals and volunteers in providing community and human services.

255. Continuing Revolution in China: Problems and Approaches
Fall. 4(4-0) Not open to Freshmen. Interdisciplinary with the departments of Anthropology, Geography, and History and administered by the Department of History.
The continuing revolution in China viewed historically, with an assessment of its impact on various areas 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(4-0) 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.

341. Contemporary Problems of South Asia
Spring. 4(3-0) Not open to Freshmen. Administered by the Geography Department.
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 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.

345. 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.