

213. Humanities: Great Books of Western Culture

(243B.) Spring. 4(4-0) Sophomores; 212 preferred; or 202, 222, 232, 262, or 282H. Selected major literary, philosophical, religious, historical and artistic works of the medieval and early modern periods of Western culture.

221. Humanities: The Visual Arts and Western Culture

(241C.) Fall. 4(4-0) Sophomores. Emphasizes the visual arts in an interdisciplinary study of the origins of Western culture in the civilizations of Greece and Rome and in the Judeo-Christian tradition. Uses an art history text, a history text, an anthology of readings and selected paperbacks.

222. Humanities: The Visual Arts and Western Culture

(242C.) Winter. 4(4-0) Sophomores. 221 preferred; or 201, 211, 231, or 261, or 281H. The visual arts in the culture of the medieval and early modern periods of Western civilization.

223. Humanities: The Visual Arts and Western Culture

(243C.) Spring. 4(4-0) Sophomores; 222 preferred; or 202, 212, 232, 262, or 282H. The visual arts in modern culture since 1700.

231. Humanities and Western Institutions

(241D.) Fall. 4(4-0) Sophomores. Emphasizes those aspects of culture having to do with man as member of organized society. The origins and development of cultural institutions and their relationships with literature, art, philosophy, and religion in the civilizations of Greece and Rome and in the Judeo-Christian tradition. Uses a history text, an art text, an anthology of source readings, and selected paperbacks.

232. Humanities and Western Institutions

(242D.) Winter. 4(4-0) Sophomores; 231 preferred; or 201, 211, 221, 261, or 281H. Interrelationships of literature, art, philosophy, and religion with the institutions of medieval and early modern periods of Western civilization.

233. Humanities and Western Institutions

(243D.) Spring. 4(4-0) Sophomores; 232 preferred; or 202, 212, 222, 262, or 282H. Interrelationships of literature, art, philosophy, and religion with the institutions of modern Western civilization since 1700.

261. Humanities: Music and Western Culture

(241E.) Fall. 4(4-0) Sophomores. Emphasizes music in an interdisciplinary study of the origins of Western culture in the civilizations of Greece and Rome and in the Judeo-Christian tradition. Uses live and recorded music, an art and music text, a history text, an anthology of readings, and selected paperbacks.

262. Humanities: Music and Western Culture

(242E.) Winter. 4(4-0) Sophomores; 261 preferred; or 201, 211, 221, 231, or 281H. Interrelationships of music with other aspects of medieval and early modern Western culture.

263. Humanities: Music and Western Culture

(243E.) Spring. 4(4-0) Sophomores; 262 preferred; or 202, 212, 222, 232, 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) Focus is upon historical views of God, man, and society as seen in sacred and secular literature and in works of art.

292. The Cultural Traditions of India

(250B.) Fall, Winter, Spring. 4(4-0) Focus is upon historical views of God, man, and society as seen in sacred and secular literature and in works of art.

293. The Cultural Traditions of Japan

(250C.) Fall, Winter, Spring. 4(4-0) Focus is upon historical views of God, man, and society as seen in the sacred and secular literature and in works of art.

294. The Cultural Traditions of Islam

(250D.) Fall, Winter, Spring. 4(4-0) Focus is upon historical views of God, man, and society as seen in sacred and secular literature and in works of art.

295. The Cultural Traditions of Sub-Saharan Africa

(251.) Winter, Spring. 4(4-0) An interdisciplinary study of major artistic, literary, musical, and religious elements of the culture of Sub-Saharan Africa against the background of the history of the region.

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.

341. The Humanities in the Contemporary World

Winter, Spring 4(4-0) Juniors. Previous 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.

**HUMAN MEDICINE H M
(COLLEGE OF)**

499. Seminar in Medicine and Society

(MED 499.) Fall, Winter, Spring. 2(3-0) Must re-enroll for a maximum of 6 credits. Human Medicine students.

Medicine in its wider social and cultural context. Health viewed as an expression of the person's total functioning—sociocultural, psychological, and biological—with illness regarded as the

result of a dysfunction in any one of these areas.

501. Human Biology and Behavior

(MED 501.) Fall. Variable credit. May re-enroll for a maximum of 12 credits. Year V Human Medicine students.

An integrative approach to the human organism, utilizing development as a central theme, and focusing upon the prenatal period.

502. Human Biology and Behavior

(MED 502.) Winter. Variable credit. May re-enroll for a maximum of 12 credits. 501. Continuation of 501 focusing upon birth and the peri-natal period.

503. Human Biology and Behavior

(MED 503.) Spring. Variable credit. May enroll for a maximum of 9 credits. 502. Continuation of 502 focusing upon the period of childhood.

506. Doctor-Patient Relationship

Fall. 2(2-0) Identification of specified elements of communication and interview responses through the utilization of videotaped interviews. Focus on teaching self-observation, exploration of human interaction.

507. Focal Problems

Fall, Winter, Spring, Summer. 1 to 12 credits. May re-enroll for a maximum of 30 credits.

Small group discussions concerned with instruction in the processes of medical problem solving and the integrated learning of basic and clinical medical science concepts around common problems seen in medical practice.

508. Immediate Care

Fall. 2(2-0) First year Human Medicine student.

Methods of administering immediate life saving and supportive measures in case of accident or medical emergency. Emphasis placed on cardiopulmonary resuscitation, fractures, unconsciousness, wounds, environmental injury and emergency child birth.

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.

601. Human Biology and Behavior

Fall. Variable credit. May re-enroll for a maximum of 15 credits. Year V—College of Human Medicine Curriculum.

A multidisciplinary study of the human organism unified by the theme of growth and development. Covers the basic science and clinical aspects of human growth and development from adolescence to death.

602. Fundamentals of Patient Care

Fall, Winter, Spring, Summer. 15 credits. 601.

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, Summer. 1 to 17 credits. May re-enroll for a maximum of 43 credits. 602.

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

609. Radiology Clerkship

Fall, Winter, Spring, Summer. 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, Summer. 1 to 17 credits. May re-enroll for a maximum of 34 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 Anesthesia 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

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.

INTERDISCIPLINARY COURSES

IDC

All University

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.

341. Contemporary Problems of South Asia

Fall. 4(3-0) Not open to Freshmen. Administered by the Geography Department.

†See page A-2 item 3

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.

346. Far East: Contemporary Issues and Problems

Spring. 4(4-0) Administered by the Department of Social Science

Contemporary political, economic and social issues in the Far East affecting relationships among Far Eastern peoples and relationships between these peoples and the United States and other powers.

384. Contemporary Problems of Japan

(342.) Winter. 4(3-0) Not open to Freshmen. Interdisciplinary with the Departments of Anthropology, Geography, and History. Administered by the Department of Geography.

389. Continuing Revolution in China: Problems and Approaches

Spring. 4(3-0) Not open to Freshmen. Interdisciplinary with the Departments of Anthropology and History and administered by the History Department.

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.

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.

488. The Impact of Animal Resource Management Upon the World's Developing Nations

Winter. 3(4-0) 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 Animal Husbandry Department.

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.

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 So-