

Description — Communication Arts and Sciences

**of
Courses**

**COMMUNICATION ARTS
AND SCIENCES CAS
(COLLEGE OF)**

492. Special Topics

Fall, Winter, Spring, Summer. 1 to 8 credits. May reenroll for a maximum of 24 credits. Approval of department.

Varied topics pertaining to the study of communication processes.

892. Special Topics

Fall, Winter, Spring, Summer. 1 to 8 credits. May reenroll for a maximum of 24 credits. Approval of department.

Varied topics pertaining to advanced study of communication processes.

990. Research Internship

Fall, Winter, Spring, Summer. 1 credit. May reenroll for a maximum of 6 credits. Research practice in association with a designated faculty member.

999. Doctoral Dissertation Research

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

Dissertation research for the doctoral program in Mass Media.

**COMMUNITY HEALTH
SCIENCE CMS**

**College of Human Medicine
College of Osteopathic Medicine**

512. Epidemiology and Biostatistics

Fall. 2 to 5 credits. Admission to a college of medicine or approval of department.

Epidemiology and biostatistics in clinical medicine and health care delivery. Evaluation of medical investigations. Applicability to preventive medicine and health maintenance. Field experiences and seminars in community medicine.

513. Medical Jurisprudence

Fall. 2 to 5 credits. Admission to a college of medicine or approval of department.

Basic concepts of the legal process and the health care system. Law suits, malpractice, statutory and case law. Insurance and tax consideration. Continuing field experiences and seminars in community medicine.

514. Topics and Issues in Health Care Delivery

Fall. 2 to 5 credits. Admission to a college of medicine or approval of department.

Medical economics, health care financing and organization, personnel utilization, resource allocation, health services administration, patterns of medical practice, politics of health care. Continuing field experiences and seminars in community medicine.

518. Aging: Clinical and Community Perspectives

Spring. 4(3-3) Medical student or approval of instructor.

Multi-dimensional aspects of aging and their application to long-term, continuing care of the chronically ill older adult.

519. Health Education in Clinical Settings

Spring. 3(2-3) Approval of instructor.

Application of concepts from social and behavioral sciences to clinical health education through laboratory and classroom experiences including development of a model educational plan for a specific health problem.

520. Biostatistical and Epidemiological Reasoning

Fall. 4(4-0) Approval of instructor. Interdepartmental with the Department of Statistics and Probability.

Concepts and principles from biostatistics and epidemiology to facilitate critical reading literature relevant to clinical medicine and community health. Emphasis on design and interpretation.

521. Evaluation of Health Services

Spring. 2 to 4 credits. Approval of instructor. Interdepartmental with the College of Nursing.

Use of experimental and quasi-experimental designs. Cost benefit and efficiency models. Assessment of health services delivery.

522. Principles of Gerontology for Medical Practice

Spring. 3(3-0) Admission to a college of medicine or approval of department.

An introductory course relating the biological, psychological and social implications of aging to health care of elderly.

530. Care of the Elderly

Fall, Spring. 3(2-2) Student in H M, OST or other clinical program or approval of instructor. Interdepartmental with and administered by the Department of Family Practice.

Case studies of the care of the elderly based on the physician patient-interaction with elderly persons and their families. Family systems applications to health care. Associated clinical experience.

543. Health and Adaptation of the Elderly

Fall. 3(3-0) Baccalaureate degree in health science; approval of instructor. Interdepartmental with and administered by the College of Nursing.

Health and adaptation of the aged individual experiencing the normative biophysiological and psychodevelopmental changes related to the aging process.

590. Special Problems in Community Medicine

Fall, Winter, Spring, Summer. 1 to 8 credits. May reenroll for a maximum of 32 credits. Approval of department.

Each student will work under direction of a faculty member on an experimental, theoretical or applied problem.

600. Preventive Medicine and Public Health Clerkship

Fall, Winter, Spring, Summer. 2 to 12 credits. Successful completion of first two years of medical school.

Clinical and community experiences in personal and community health services, environmental health, and other health and medical programs which meet health needs of various population groups.

605. Occupational Health Clerkship

Fall, Winter, Spring, Summer. 6 to 12 credits. May reenroll for a maximum of 12 credits. Grade P in all courses offered in terms 1 through 8.

The occupational health program in an industrial setting. Exposure to delivery of medical care to workers, treatment of industrial accident injuries. Review of safety and preventive medicine programs.

610. Geriatric Clerkship

Fall, Winter, Spring, Summer. 2 to 12 credits. Successful completion of first two years of medical school.

Clinical and community experiences including history taking, patient assessment, development and use of management and care plan and use of community resources for the long term care of the aged.

618. Topics in International Health

Fall. 2(2-0) Admission to a college of medicine, or approval of department.

Selected topics such as African AIDS, malaria, onchocerciasis, tuberculosis, schistosomiasis. Pathophysiology, treatments, epidemiology, current research and controversies.

619. Clinical Health Education Clerkship

Fall, Winter, Spring, Summer. 6 to 12 credits. May reenroll for a maximum of 12 credits. Grade P in all courses offered in terms 1 through 8.

Clinical experiences for developing and applying skills in patient and family health education. Identification of behavioral components of health care. Assessment of educational needs of patient and family.

620. Directed Studies in Community Medicine

Fall, Winter, Spring, Summer. 1 to 6 credits. May reenroll for a maximum of 24 credits. Approval of department.

Individual projects on special problems related to community medicine.

COMPUTER SCIENCE CPS

College of Engineering

100. About Computers

Fall, Winter, Spring, Summer. 4(3-2) Not open to students with credit in CPS 130.

Computer impact on the individual and society. How computers work. Computer applications. Laboratory experience in accessing data bases, directing a screen simulated robot, use of a spreadsheet, and word processing.

112. Computing for Engineers and Scientists I

Fall, Winter, Spring, Summer. 3(2-2) MTH 112 or concurrently. Student may not receive credit in both CPS 112 and CPS 120.

Algorithms; data representation, structures, type; decision structures. Design and implementation of algorithms. Applications from engineering, mathematics, and science. Computer arithmetic; microcomputers, mainframes, editors, files.