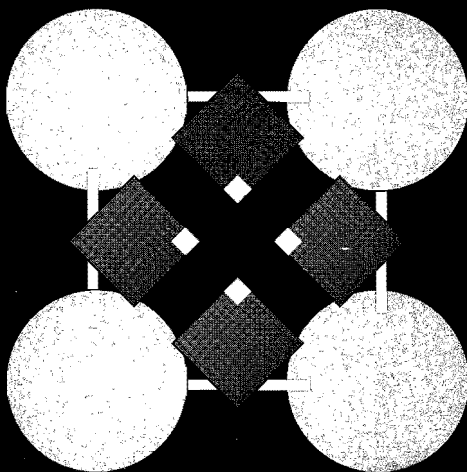


Health Sciences Interdisciplinary Courses

Joint Day/Extension Courses



UNIVERSITY OF MINNESOTA

1995-1996

ENROLLMENT GUIDELINES

This initial listing of Health Sciences Interdisciplinary Courses is intended to provide a broad sampling of team-relevant educational activities. The Health Sciences collegiate units have agreed to release from their schedules a specific time-window. A number of interdisciplinary courses are offered during this time-window. You may elect to take these courses under the departmental course number or under the HSU listing.

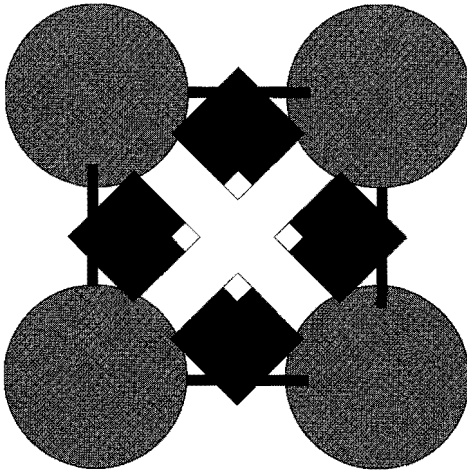
Questions regarding selection of interdisciplinary courses for the student's individual program should be directed to the major advisor. Enrollment with a departmental designation should be arranged through the sponsoring unit by contacting the primary instructor listed in this brochure.

For more information contact Health Sciences Learning Resources, Box 734 UMHC, 420 Delaware Street SE, (624-7102).

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Health Sciences Interdisciplinary Courses

Joint Day/Extension Courses



UNIVERSITY OF MINNESOTA

1995-1996

This brochure provides summary descriptions of courses which have been identified by the Health Sciences Educational Policy Committee (HSEPC) as serving interdisciplinary educational objectives. The HSEPC was formed to improve student access to educational activities of general Health Sciences interest, formulate health team education models, and assist faculty-student groups in the development of interdisciplinary team education initiatives.

The Regents' Mission Statement for the Health Sciences emphasized the need for educational innovations which are designed to prepare Health Sciences students for the cooperative delivery of health care as members of health professional teams. The Health Sciences Council of Dean and Directors subsequently assigned to the HSEPC the responsibility for determining need for and content of Health Sciences courses of an interdisciplinary nature. The committee is composed of representatives from each unit's Educational Policy Committee unit administration and the Council for Health Interdisciplinary Participation (CHIP). This approach to interdisciplinary educational planning for the Health Sciences is hoped to increase mutual understanding between student, faculty, and administrative bodies and to encourage cooperative activity in the education of Health Sciences students for the team mode of providing health care.

The HSEPC has been gratified by the support of students, faculty members, and administrative personnel in its efforts to encourage interdisciplinary cooperation in Health Sciences education. The early phases of this development were achieved with support from the Department of Physical Medicine and Rehabilitation of the Medical School, the Allied Health Special Improvement Grant, and CHIP. The availability of a time-window for the Health Sciences Interdisciplinary Courses (See Enrollment Guidelines inside front cover) now provides an important mechanism for interunit participation in team education. The HSEPC is pleased to invite new program proposals from all Health Sciences sources and looks forward to a period of sustained growth based on the strength of current efforts.

NOTE: Please check the University of Minnesota Class Schedule each quarter for class location.

Health Sciences Units (HSU) Courses

(Joint Day/Extension Courses)

FALL QUARTER 1995

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SUMMER SESSION I,II, 1996 DAY ONLY

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PLEASE NOTE

Students who wish to use 5-level Health Science Units (HSU) courses toward M.Ed., M.P.H., and Pharm D degrees may do so under the terms of their approved degree programs. However, HSU courses do not qualify for *Graduate School* credit. Students who wish to obtain Graduate School credit must register for the course under the other department's course number and designator. Extension Students interested in registering for these courses through Extension Classes should call 624-0540 for further information.

(Extension Class Only)

Course #

**HSU 3003 (also HSU 5032; PubH 3003;
PubH 5003)**

Title: **Fundamentals of Alcohol and Drug Abuse**
Credits: 2
Primary Instructor: James Rothenberger, (625-5692)
Sponsor: School of Public Health
Quarter, Hour, Days: Winter 4:40 - 6:30 p.m. Thursday
Prerequisites: None
For Whom Intended: Undergraduate students who have had no previous academic exposure to an alcohol/drug related issue.
Maximum Enrollment: Open

Course Objectives: Upon completion of the course, the student will be able to:

- Relate the extent and nature of alcohol and other drug use to problems in our society;
- Explain what alcohol and other drugs do;
- Name the major contributors to alcohol/drug use associated problems;
- Analyze the relationship of public policy and law to the prevention of alcohol and drug-related problems;
- Analyze the meaning and significance of the term "prevention" as it relates to alcohol/drug related problems; and
- Describe the relative effectiveness, as well as the relative costs, of most strategies adopted to resolve alcohol/drug use associated problems.

Course Description: Lectures, discussion, and special readings on the scientific, socio-cultural, and attitudinal aspects of alcohol and other drug abuse problems, with special emphasis on incidence, prevalence, high-risk populations, prevention, and intervention.

Student Evaluation: Students will complete and be evaluated on (1) a midquarter examination of multiple choice questions, and (2) a final examination of multiple choice questions.

(Extension Class Only)

Course #

HSU 3005

Title: **Orientation to the Health Sciences**
Credits: 2
Primary Instructors: Karen Karni, (625-5136), Kathleen J. Newell, (625-9121)
Sponsor: Health Sciences Learning Resources
Quarter, Hour, Days: Winter 4:15 - 6:00 p.m. Tuesday
Prerequisites: None
For Whom Intended: Pre-health sciences students or anyone interested in Health Sciences as a career.
Maximum Enrollment: 150

Overall Goal: To provide the student with an overall view of the various Health Sciences professional programs offered at the University of Minnesota.

Course Objectives: Upon completion of the course the student will be able to:

- Discriminate among health sciences careers in terms of practice, educational requirements, and professional opportunities;
- Assess his or her own personality traits, interests, values and qualifications to pursue a career in the health sciences; and
- Identify student support services available to pre-health sciences students.

Course Description: An overview of the health sciences professions through lectures, demonstrations, videotapes, and tours designed to provide factual information and guidance for students considering a Health Sciences career.

Student Evaluation: S/N only. Attendance, tour of a selected Health Sciences facility/program, completion of the Strong Interest Test, and a four-page typed paper about a selected Health Sciences profession following an interview with a practitioner.

(Extension Class Only)

Course #

HSU 3008

Title: **Orientation to Medicine**
Credits: 2 (S/N only)
Primary Instructors: Dr. Donald Robertson, (624-1188),
Julie Ann Edin, (624-9006)
Sponsor: Medical School and Premajor advising of the College of
Liberal Arts
Quarter, Hour, Days: Spring 3:00 - 5:00 p.m. Thursday
Prerequisites: None
For Whom Intended: Any student exploring careers in medicine.
Maximum Enrollment: 40

Overall Goal: To provide students with an understanding of
medicine as a discipline, an educational experience, and
a career. To expand student understanding in a number
of medical careers.

Course Objectives: Upon completion of the course, the student will
be able to:

- Identify and appreciate the importance of major turning
points in the development of medicine;
- Understand the impact of issues relating to the future of
health care delivery and health care education in the
United States;
- Recognize ethical issues facing physicians and develop
an understanding of how to approach ethical problem-
solving in health care;
- Assess personal assets and obstacles in pursuit of a
medical education; set goals in relation to overcoming
obstacles;
- Prepare and conduct well prepared informational inter-
views;
- Investigate and evaluate community service opportuni-
ties in order to find an appropriate match for their needs
and interests;
- Enter into the pursuit of a medical degree with a fully
developed knowledge of the process, keener aware-
ness of what to expect from the medical school
educational experience, and a stronger understanding
of what a career in medicine can offer; and
- Identify student support services available to pre-
Medical students.

Course Description:

An overview of medicine including a variety of weekly topics to include: history of medicine; the future of medicine and medical education; ethical issues related to medicine; commitment to service in relation to medicine; careers in medicine other than MD; the process of getting into medical school and selecting schools; the experience of the medical school student; life as a physician. Information presented by instructors, guest lecturers, guest panelists, medical school representatives.

Student Evaluation:

S/N only. Students will be evaluated on five criteria: (1) attendance at 9 of the 10 sessions; (2) journal entries responding to 5 of the 10 sessions regarding facts, emotional responses, conclusions or opinions on the topic; (3) a required service-experience contact and a 2 page type-written assessment of the contact; (4) a book review; and (5) a required informational interview or shadowing experience and a 2 page type-written assessment of that experience.

(A Joint Day/Extension Class)

Course#

**HSU 5009 (also AdEd 5440; CPsy 5305;
Nurs 5780; Phar 5009; PA 5414; PubH 5737;
SW 5024; Soc 5960)**

Title: **Multidisciplinary Perspectives on Aging**

Credits: 4

Primary Instructor: AUCA Faculty

Sponsors: All-University Council on Aging and Gerontology Faculty

Quarter, Hour, Days: Fall 4:40 - 6:25 p.m. Monday, Wednesday

Spring 4:40 - 6:25 p.m. Monday, Wednesday

Prerequisite: None

For Whom Intended: Undergraduate and graduate students with no prior specialized educational background in aging.

Maximum Enrollment: 100 (10 HSU Day, 10 HSU Extension)

Overall Goal: To provide a multidisciplinary introduction to aging and the aging process

Course Objectives: Upon completion of the course the student will be able to:

Develop an understanding of aging as a normal process and its consequences for biological, psychological, and sociological functioning;

Become aware of health and social problems accompanying aging in contemporary society;

Develop an appreciation for a multidisciplinary perspective for studying aging and dealing with the aging process and its consequences;

Develop awareness of alternative biological and social gerontological theories of aging;

Become aware of interventions in the aging process provided by society and by older people themselves;

Become aware of public policy pertaining to older adults;

Develop a personal interest in influencing one's personal response to the aging process; and

Become aware of career opportunities in the field of aging.

Course Description: Topics include: biological, sociological, psychological aspects of aging; theories of aging; death and bereavement; issues and problems of older adults in America; human services and their delivery systems such as health, nutrition, long-term care, and education; public policy and legislation; environments and housing, retirement.

Student Evaluation: Based on readings, midquarter and final examinations, and one paper.

(A Joint Day/Extension Class)
HSU 5010 (also PubH 5010)

Course #

Title:	Public Health Approaches to AIDS
Credits:	3
Primary Instructors:	James Rothenberger, (625-5692), Frank Rhame, (626-5036)
Sponsor:	School of Public Health
Quarter, Hour, Days:	Fall 4:40 - 7:20p.m. Monday 4:40 - 7:20p.m. Wednesday Spring 4:40 - 7:20p.m. Monday 4:40 - 7:20p.m. Wednesday
Prerequisites:	None
For Whom Intended:	Health, education, and helping professions' students
Maximum Enrollment:	Open
Overall Goal:	To provide the student with a public health context for the medical, social, and policy issues raised by the AIDS epidemic.
Course Objectives:	Upon completion of the course the student will be able to: Discuss traditional public health approaches to disease as they relate to AIDS; Describe epidemiological and clinical features of HIV infection in Minnesota, the U.S., and the world; Discuss the ways in which HIV is transmitted, and ways to prevent transmission; Describe the political and social impact of AIDS on various U.S. subcultures and minority groups; Demonstrate familiarity with principles of health behavior change and public health interventions as they relate to AIDS; and Discuss legal, ethical, economic, and social policy impli-

(A Joint Day/Extension Class)

Course #

HSU 5010 (also PubH 5010) *Continued*

Course Description:

This course is a survey of the public health approaches to the AIDS epidemic. It is designed for students in the health and helping professions, education, and other related disciplines. Topics include epidemiological and clinical features of HIV infection; the impact of AIDS on certain communities and populations; and behavior change principles as they apply to AIDS education.

Student Evaluation:

One 7-9 page self-analysis paper covering professional attitudes and personal responsibilities, a research paper or literature review (30%), a midterm (30%), small group discussion (10%), and a final (30%). (The self-analysis paper will determine borderline grades.) Graduate students may choose to prepare a research or term paper, but must first advise the course coordinator or teaching assistant.

(Extension Class Only)

Course #

HSU 5017 (also Nurs 5720)

Title: **Written Communication Skills for Health Professionals**
Credits: 3
Primary Instructor: Suzanne Schoenfelt, (624-0648)
Sponsors: College of Pharmacy, School of Nursing,
Health Sciences Learning Resources
Quarter, Hour, Days: Winter 4:00 - 6:30 p.m. Tuesday
Prerequisites: Knowledge of medical terminology.
For Whom Intended: Health Sciences students
Maximum Enrollment: 15

Overall Goal: To write an article or paper suitable for publication. In that process, students develop and improve writing skills.

Course Objectives: To master rules of grammar, punctuation, syntax, spelling, and language; to become a clear communicator. To improve ability to evaluate written material. To increase sensitivity to good and bad writing. To improve writing skills.

Course Description: Students participate in Workshop sessions during which we will critique the work of class participants. Throughout the course, we will work on organization, style, clarity of presentation, conciseness, accuracy, transitions, consistency, and writing mechanics. We also examine journal articles, style, the work of professional authors, and other writing guidelines. Depending on the class participants, some emphasis will be placed on writing journal articles for publication. A fair amount of outside reading is required.

This course works best for students who are already in the process of writing or trying to publish a paper. The class serves as the structure in which to compose one's own work.

Student Evaluation: Based on assignments, class participation, and a required paper.

*For Graduate School credit, students should register under NURS 5720.

Course #	HSU 5018 (also CLS 5356, HInf 5430)
Title:	Computer Applications for Health Care
Credits:	4
Primary Instructor:	Stanley Finkelstein, (625-6406)
Sponsor:	Health Computer Sciences
Quarter, Hour, Days:	Fall 11:15 - 12:05 a.m. Monday, Tuesday Wednesday, Thursday
Prerequisites:	Elementary algebra, basic statistics
For Whom Intended:	For those with health care experience or current enrollment in health studies; permission of instructor required for all others.
Maximum Enrollment:	Open
Overall Goal:	To inform about the technical capabilities of computers; their present roles in health care management; the systems and personnel involved; the costs and potential benefits of current applications; the justification, specification and evaluation of computer systems; and the capacity for future modification and development.
Course Objectives:	The student will develop skills in the following areas: DEFINITIONS: Identify the block elements and interconnections of a computer network; demonstrate familiarity with terms commonly used in data processing; PROGRAMMING: Use and evaluate package programs on microcomputers for education, word processing, and statistical analysis; develop simple health-related computer programs using the BASIC language; NOMENCLATURES: Recognize commonly used medical coding systems and their applicability; formulate ways to link identifiers and integrate health care records; INFORMATION: Characterize computer dictionaries and back up/archive files; outline steps involved in data acquisition, storage, update, edit, and retrieval; ORGANIZATION: Analyze information processing and decision support in health care areas; examine methods to justify, specify, and provide computer services; MANAGEMENT: Indicate staff needs for supervision, operation, maintenance, and development; project various uses of simulations, quality control, and summary reports; OPERATIONS: Review current implementations of computers in diverse clinical areas; evaluate direct data acquisition and entry by health care professionals;

MAINTENANCE: Indicate the need for training, manuals, and HELP sources; budget one-time and recurring costs for hardware, software, and facility support; and

IMPACT: Identify potential areas of difficulty increasing automation.

Course Description:

This course provides an overview of computer applications for health service professionals. Computer fundamentals are covered and students are introduced to the elements of the BASIC programming language, microcomputers, and the utilization of package programs. Examples of existing systems in areas such as medical records, clinical laboratory and pharmacy, education, medical data base management, patient care, and hospital information systems are explored.

Computer system operation and management functions are detailed and the impact of computer technology in the health care environment is discussed. The course follows a lecture discussion format supplemented with hands-on computer experience, directed readings, a topical literature review and critique, and visits and evaluation reports of selected health-related computer systems on campus and in the local community.

Student Evaluation:

Students may register either A/F or S/N. Grades will be based on tour reports (10%), topical literature review and critique (15%), computer assignments (25%), midterm mastery exam (25%), and a project proposal (25%).

Computer access and consultants are available in the Health Sciences Instructional Laboratory in 207 Diehl Hall (Biomedical Library Learning Resources Center).

(A Joint Day/Extension Class)

Course #

HSU 5027 (also FSoS 5001)

Title:	Human Sexual Behavior
Credits:	5
Primary Instructor:	Family Social Science faculty
Sponsors:	Health Sciences Learning Resources, Family Social Science
Quarter, Hour, Days:	Fall 5:30 - 9:40 p.m. Thursday (CEE only) Spring* 4:00 - 8:10 p.m. Thursday * Joint Day/Extension
Prerequisites:	Upper division standing and ninety credits in social, behavioral, or Health Sciences or graduate status in behavioral, social, educational, health sciences or human service program, or consent of instructor.
For Whom Intended:	Students in human relationships program, as well as in behavioral science, human service, and health sciences programs. It is also a standard entry point for graduate students in these fields.
Maximum Enrollment:	75 (25 HSU Day)
Overall Goal:	Applying scientific knowledge to the promotion of sexual health through individual, family, and community services.
Course Objectives:	Upon completion of the course, the student will be able to: Demonstrate an accurate knowledge of the anatomy and physiology of sexual function in the human individual over the life cycle; Know the basic patterns of psychosexual development that characterize childhood, adolescence, adulthood, and the aging process; Know the nature of sexual health needs and problems experienced over the human life cycle, particularly in the family context; Know the nature of sexual health needs and problems associated with special populations, such as the physically disabled, the aging, sexual minorities, etc.; Know the relationship between sexuality and health problems, such as disease, chemical abuse, family violence, etc.; Be able to affirm her or his own sexual values in relation to professional identity; Demonstrate a professionally tolerant and nonjudgmental stance toward clients' sexual attitudes and behaviors that differ from his or her own;

(A Joint Day/Extension Class)

Course #

HSU 5027 (also FSoS 5001) Continued

Analyze social issues and controversies in relation to sexuality;

Understand the implications of gender and role socialization on individuals and upon society; and

Know basic information about sexually-transmitted diseases, their effects upon individuals, families, and society.

Course Description:

Multidisciplinary approach to human sexuality with emphasis on sexual development through individual and family life cycles. Oriented toward applying scientific knowledge to the promotion of sexual health in individual, family, and communities.

Student Evaluation:

Students may register either S/N or A/F. For a grade of "S" or "C," students are required to attend class regularly and to receive a score of 75% or better on a multiple choice final exam. For a grade of "B," students are required to do the above plus write a "Self Analysis Paper" of 5-8 pages. For a grade of "A," students are required to do all of the above plus write a "Topic Paper" of 10-15 pages.

(A Joint Day/Extension Class)

Course #

HSU 5031 (Also Phar 5007)

Title: **Biology of Aging**
Credits: 2
Primary Instructor: Thomas McKennell, (624-2442)
Sponsors: Health Sciences Learning Resources,
College of Pharmacy
Quarter, Hour, Days: Winter 4:40 - 6:25 p.m. Thursday
Prerequisites: None
For Whom Intended: Health Sciences students, all interested University students, and other helping professionals.
Maximum Enrollment: 60 (20 HSU Day; 20 HSU Extension)
Overall Goal: To provide an overview of human biology related to the aging process.

Course Objectives: To have the student demonstrate a knowledge of the biological theories of aging, and to outline biological changes associated with aging in selected organ systems, including the cardiovascular, renal, gastrointestinal, respiratory, immune, endocrine, reproductive, and central nervous system. The elderly as a group are also examined in terms of nutritional needs, visual changes, hearing disorders, and use of and effects of medications. Physical changes due to normal aging are contrasted with those having a pathological basis.

Course Description: Class will follow a lecture/discussion format under the direction of a faculty member. Emphasizing human biology, guest lecturers present normal changes with age. Selected reading will be assigned during the course in addition to an assigned text.

Student Evaluation: Two examinations - one midterm (40%), one final (60%). Those taking the course for graduate credit are required to perform additional work in an area of their specialization or in one which they have a special interest.

(Extension Class Only)

Course #

HSU 5040 (also PubH 5040; Mort 5040)

Title: **Dying and Death in Contemporary Society**
Credits: 3
Primary Instructors: James Rothenberger, (625-5692),
Mike Mathews, (624-6464)
Sponsors: School of Public Health, Mortuary Science
Quarter, Hour, Days: Winter 4:40 - 7:20 p.m. Wednesday
Prerequisites: Limited to Health Science major, School of Public Health major, Education senior, Mortuary Science major, or consent of instructor.

Overall Goal: To introduce students in the Health Sciences and the helping professions to basic concepts in the areas of dying and death, to allow for interaction across disciplines, and to provide opportunities for students to examine their own attitudes.

Course Objectives: Upon completion of the course the student will be able to:

- Discuss the context of death in modern society and list three reasons why death education courses are necessary today;
- Describe philosophical and theological attitudes towards death which shape our attitudes today;
- Define grief, mourning, and bereavement. Describe the impact of grief on individuals. Discuss at least one model of grief reaction;
- Describe models of normal and abnormal grief and suggest appropriate interventions;
- Discuss how children relate to death and describe at least one model of how children develop a concept of death;
- Discuss the history, purpose, and current practices in funeralization;
- List seven principles of death education and give an example of a death education activity appropriate for elementary, secondary, and community groups;
- Discuss the impact of AIDS on death attitudes and describe special needs of the dying AIDS patient;
- Discuss current trends in suicide and describe appropriate intervention strategies for those who attempt and those who survive;
- Discuss needs of dying patients and how hospice is organized to meet those needs;
- Discuss the impact of AIDS and community programs aimed at AIDS families;

(A Joint Day/Extension Class)

Course #

HSU 5040 (also PubH 5040; Mort 5040) *Cont'd.*

Discuss at least one major ethical dilemma in the death area, the role of the ethics committee, and suggest community strategies for resolving ethical dilemmas; and

Discuss current research of the role of pets and the impact of a pet's death on the individual and family and describe intervention strategies.

Course Description:

Basic background information on concepts, attitudes, ethics, and lifestyle management in relation to dying, death, grief, and bereavement. Emphasis will be placed on the educational aspects of the above topics for community health and helping professionals and educators.

Student Evaluation:

Students shall complete and be evaluated on: (1) two midquarter examinations that are objective in nature; (2) a final examination that will be a combination of objective and short-answer subjective questions.

Course #

HSU 5210 (also Phar 5210)

Title: Terminology of the Health Sciences
Credits: 2
Primary Instructor: Thomas McKennell, (624-2442)
Sponsor: College of Pharmacy
Quarter, Hour, Days: Fall, Winter, Spring (Summer Session I and II, Day School Only) Day and time arranged.
Prerequisites: None
For Whom Intended: Open
Maximum Enrollment: Open

Overall Goal: The course is intended to provide the student in any of the Health Sciences disciplines or preprofessional studies with a working knowledge of the terminology used in the Health Sciences.

Course Objectives: Upon completion of the course, the student will be able to:
Define words used in the health professions from prefixes, suffixes, word roots, and combining forms;
Recognize and interpret words constructed from prefixes, suffixes, word roots, and combining forms;
and
Correctly spell the terms used in the health professions.

Course Description: This course is a self study course which meets biweekly for tests. The day and time for the tests are arranged at the beginning of each term. There are no lectures or formal class sessions other than the test periods.

Student Evaluation: The grade for the course will be based on the student's performance on the four tests during the term and on a comprehensive examination. A grade of "A" will be awarded for an average score of 90% on the tests. If one achieves an average of 90% on the tests, the final exam need not be taken. A grade of "B" will be awarded for an average score of 80-90% and a grade of "C" will be given for an average score of 70-80%.
Although this is basically a self study course, attendance at an orientation session is required. Please call 624-2442 for the times and location for the orientation sessions for each quarter.