UNIVERSITY *of* NORTH TEXAS HEALTH SCIENCE CENTER *at Fort Worth*

School of Public Health

2002–2003 CATALOG

Master of Public Health • Doctor of Public Health

School of Public Health 2002-2003 Catalog

This catalog is an official bulletin of the University of North Texas Health Science Center School of Public Health and is intended to provide general information. It contains policies, regulations, procedures and fees in effect as of July 1, 2002.

The health science center reserves the right to make changes at any time to reflect current board policies, administrative regulations and procedures, amendments by state law and fee changes. Information provided by this catalog is subject to change without notice and does not constitute a contract between the University of North Texas Health Science Center and a student or an applicant for admission. The institution is not responsible for any misrepresentation or provisions that might arise as a result of errors in preparation.

Students are responsible for observing the regulations contained herein; therefore, they are urged to read this catalog carefully. This catalog does not contain all institutional rules, regulations, and policies for which a student is responsible. Students should also consult the Student Handbook.

The health science center reserves the right to withdraw a student for cause at any time.

The University of North Texas Health Science Center at Fort Worth is an equal opportunity/affirmative action institution. It is the policy of the health science center not to discriminate on the basis of race, color, religion, sex, age, national origin, disability, or disabled veteran or veteran of the Vietnam era status, in its educational programs, activities, admissions or employment policies. Questions or complaints should be directed to the Equal Opportunity Office, 817-735-2357.

In compliance with the Clery Act, crime statistics for the University of North Texas Health Science Center are available on the web at: http://www.hsc.unt.edu/cleryact.

UNIVERSITY *of* NORTH TEXAS HEALTH SCIENCE CENTER *at Fort Worth*

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Education, Research, Patient Care *and* Service

3500 Camp Bowie Boulevard • Fort Worth, Texas 76107-2699 • www.hsc.unt.edu

Dean's Message

Choosing a career is an important and exciting prospect, and I am delighted that you are considering a public health education at the University of North Texas Health Science Center School of Public Health. As you may know, public health differs from many of the other health professions in several ways.

First, public health is not directed at individuals but at entire populations. Whereas many health workers are trained to treat disease or health problems that have already occurred, public health workers focus their efforts and training on preventing these problems from occurring and/or intervening as soon as possible so as to reduce their consequences on the population at large.

Second, public health is not a discipline but a field of practice that utilizes the skills and training of numerous health professions. For example, the membership of the American Public Health Association, the oldest and largest society of public health workers in the world, consists of individuals who represent seventy-seven different disciplines. What unite public health workers are their interest, education, and commitment to promote health and prevent disease.

Public health endeavors have been very successful. For example, historically, research has clearly demonstrated that the tremendous advances in longevity of life have had more to do with improvements in public health than in advances in medicine and other disciplines. In 1900, the average life expectancy of Americans was fewer than fifty years; in 1990 that life expectancy had climbed to more than seventy-five years. This increase is attributed primarily to improvements in sanitation and working conditions as well as the control of infectious diseases through immunizations and other public health interventions. Population-based preventive programs launched since the 1970s are also largely responsible for the more recent changes in tobacco use, blood pressure control, certain dietary practices, and injury control measures, which have variously fostered declines of more than 50 percent in death due to strokes, 40 percent in death due to coronary heart disease, and 25 percent in overall death rates for children.

Numerous health disciplines offer the satisfaction derived from the provision of direct patient care. Public health is unique among the health fields in that it offers the opportunity to have a major impact on the health of whole populations. Public health is a profession where you can indeed make the world a better place to live for the present population as well as for generations of individuals yet to come.

Our faculty, students and staff are committed to providing the highest quality of public health education and research, meeting the needs of the working professional, and assuring that our state and nation address the public health needs of our diverse populations.

Fernando M. Treviño, Ph.D., M.P.H.
Dean and Professor
School of Public Health

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Accreditation

The University of North Texas Health Science Center at Fort Worth is approved by the Texas Higher Education Coordinating Board and is a member of the Alliance for Higher Education, the Association of Academic Health Centers, the Council for the Advancement and Support of Education, and Council of Graduate Schools. The University of North Texas Health Science Center at Fort Worth is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097; telephone number 404-679-4501) to award master's and doctoral degrees.

The University of North Texas Health Science Center School of Public Health is accredited by the Council on Education for Public Health (C.E.P.H.), 800 Eye Street NW, Suite 202, Washington, D.C. 20001-3710; telephone number 202-789-1050.

For further information regarding the institution's accreditations and state approval or to review related documents, contact the Office of Educational Affairs, 817-735-2510.

What is Public Health?

Is public health right for me? This is the question many students ask themselves when entering the field of public health. However, before most can make that decision, they first have to research what is public health and who is a public health professional. Public health professionals work with entire communities to prevent disease and to promote health, In contrast, doctors and physicians more often treat individual patients. Public health professionals monitor and evaluate the health needs of entire communities, promote healthy practices and behaviors, and work to identify and eliminate hazards, often environmental or occupational in nature, to assure that populations stay healthy.

Did you know?

According to a recent poll conducted by Louis Harris and Associates, Inc., few Americans know what the words "public health" mean. However, most people believe that many key functions of public health are very important. For example:

- 93 percent of all adults believe that the prevention of the spread of infectious diseases like tuberculosis, measles, flu, and AIDS is very important;
- 90 percent believe immunization to prevent diseases is very important;
- 82 percent believe that ensuring people are not exposed to unsafe water, air pollution or toxic waste is very important;
- 82 percent also believe conducting research into the causes and prevention of diseases is very important; and
- 72 percent believe it is very important to encourage people to live healthy lifestyles.

The 19th century public health "professional" was more likely to be a volunteer social worker than a skilled health practitioner. Twentieth-century technological advances have changed the situation. Today's public health workforce includes physicians, nurses, nutritionist, epidemiologists, environmentalists, health administrators, community health educators, environmental and occupational health specialists, biostatisticians, and a host of other specialists. Despite their various fields of specialization, each is committed to protecting the health of the public. Schools of public health have t o face the challenge of educating students to perform the duties with efficiency and skill and to understand and work with colleagues from virtually every area of the biomedical, social and behavioral sciences.

Consider these facts…

- During the first year of life, African-American infants are more than twice as likely to die as white infants.
- Most hazardous waste sites in the U.S. are within a few miles of disadvantaged communities whose populations report a disproportionate share of their toxic effects.
- The prevalence of diabetes for persons 45 to 74 years of age is twice as high for Mexican-Americans and Puerto Ricans as for non-Hispanic whites.
- More that 35 million Americans do not have health insurance or access to adequate health care.

So, how can you make a difference?

- By promoting health and preventing diseases that all too often disproportionately affect disadvantaged and underserved populations;
- By contributing your specialized knowledge, skills, cultural sensitivity and cultural competency to help break the cycle of these adverse health effects which continue to limit the potential of individual achievement and the future well-being of our society; and
- By becoming a leader in one of the five major areas of public health: administration/management, research, education, community practice, or policy.

Careers in public health provide opportunities for upward and lateral career mobility depending on your training and interests. Graduates from schools of public health work primarily in the areas of health promotion and disease prevention. Vast employment opportunities are available at federal, state and local levels, particularly in health and environmental agencies. Additional employment options include private industry, universities, volunteer health organizations, insurance companies and managed care organizations. You can make a difference with a graduate degree in public health. Ultimately, the career heights to which you may aspire are as great as your capabilities and you desires.

2002-2003 Academic Calendar

	Fall 2002	Spring 2003	Summer 2003
Admissions			
U.S. citizen application deadline	June 1	November 1	April 1
Non-U.S. citizen application deadline	May 1	October 1	March 1
New Student Orientation (Mandatory)	August 15	January 9	May 29
Registration			
Regular registration begins	July 22	December 2	April 21
Regular registration ends	August 16	January 10	May 30
Late registration begins	August 19	January 13	June 2
Late registration ends	August 23	January 17	June 6
Important Class Days			
Classes begin	August 19	January 13	June 2
4th class day/12th class day	September 4	January 29	June 6
Last day of classes	December 6	May 5	July 24
Final examinations begin	December 9	May 6	July 28
Final examinations end	December 13	May 12	August 1
Schedule Changes			
Add/drop begins	July 22	December 2	April 21
Last day to add course	August 23	January 17	June 6
Last day to drop a course or withdraw with a grade of W for courses that a student is not passing. After this date,a grade of WF may be recorded.	September 13	February 7	June 13
Instructors may begin dropping students with a grade of WF for non-attendance.	September 16	February 10	June 20
Last day to drop a course with the Instructor's consent	November 1	March 24	July 18
First day a student may request a grade of incomplete. Note: Must be done in writing	November 1	March 24	July 18
Last day a student may request a grade of incomplete. Note: Must be done in writing	December 13	May 12	August 1
Last day to withdraw from the Health Science Center	December 2	April 25	July 22
Fee Payment Deadlines			
Financial Aid Disbursement	August 12	January 10	June 2
Last day to pay first installment (minimum of 50%) of tuition & fees	August 16	January 10	May 30
Last day to pay second installment of tuition & fees	September 20	February 14	N/A
Last day to pay balance of tuition & fees	October 25	March 21	N/A

	Fall 2002	*Spring 2003*	*Summer 2003*
Refunds if Dropping a Course but Remaining Enrolled in Other Courses			
Last day to withdraw for a 100% refund	September 4	January 29	June 6
Last day to withdraw for a 50% refund	September 6	January 31	N/A
Last day to withdraw for a 25% refund	September 13	February 7	N/A
Withdrawal Refunds if Dropping All Courses for which Enrolled			
Last day to withdraw for a 100% refund	August 16	January 10	May 30
Last day to withdraw for a 80% refund	August 23	January 17	June 4
Last day to withdraw for a 70% refund	August 30	January 24	N/A
Last day to withdraw for a 50% refund	September 6	January 31	June 6
Last day to withdraw for a 25% refund	September 13	February 7	N/A
Graduation Deadlines			
Last day to file Intent to Graduate	September 27	February 6	June 6
Recommended deadline to submit thesis, dissertation, or professional report to Graduate Committee. This date may vary by department. Therefore, you should verify requirements with your major professor.	October 25	April 11	July 3
Last day for degree candidates to complete all requirements for graduation ■ File thesis, dissertation, or professional report with the School of Public Health Office of Admissions and Student Services ■ Pay all graduation fees ■ Remove grades of I in all courses required for degree	November 27	April 28	July 25
Commencement	May 17, 2003	May 17, 2003	May 15, 2004
Holidays/Special Events			
Memorial Day			May 26
Independence Day			July 4
Labor Day	September 2		
Thanksgiving Break	November 28-29		
Winter Break begins	December 13		
Winter Break ends		January 13	
Martin Luther King, Jr. Day		January 20	
Spring Break		March 10-14	
Career Fair		April 10	
Awards Banquet		April 18	
Public Health Practice Poster Session	November 19	April 22	
Other Deadlines			
Semester Mid-Point Date	October 15	March 17	July 1
Semester 60% Complete Date	October 25	March 27	July 8

Our Mission

The University of North Texas Health Science Center at Fort Worth, a component institution of the UNT System, is dedicated to excellence in education, research, healthcare and service.

We achieve this mission by:

- Preparing our students in osteopathic medicine, biomedical sciences, public health and physician assistant studies for successful careers in health care, research and teaching.
- Advancing the discovery of knowledge through cutting-edge basic and applied research.
- Teaching, practicing and encouraging the effective delivery of primary health care.
- Emphasizing health promotion, disease prevention and public health, with a focus on underserved populations.
- Actively collaborating with other academic institutions, such as other components of the UNT System, health-related organizations and the communities we serve.
- Supporting a culturally diverse environment that advocates mutual respect for all members of the health science center as they strive for excellence.
- Meeting and exceeding the needs and expectations of our students, patients, employees, partners, donors and the people of Texas.

School of Public Health Mission

The School of Public Health is dedicated to the prevention of disease and the promotion of health in the local and global community through education, research and service.

The School of Public Health achieves its mission by:

- preparing its graduates to effectively contribute to the practice of public health
- providing accessible educational programs
- valuing the importance of diversity in public health practice and research
- supporting closer integration between the practice of medicine and public health
- developing academic and community partnerships

Principles

The interactions and communications among faculty, staff and students of the School of Public Health are guided by a belief in, and demonstration of:

- diversity
- integrity
- respect
- fairness
- responsiveness
- collegiality
- honesty
- quality
- dignity

1 The Health Science Center

Overview

The University of North Texas Health Science Center is one of the country's distinguished academic medical centers, dedicated to the advancement of all three disciplines of medical science — education, research and patient care.

Our 15-acre, $107 million medical complex is located in the heart of Fort Worth's Cultural Arts District.

The health science center's academic components are the Texas College of Osteopathic Medicine, the Graduate School of Biomedical Sciences, the School of Public Health and a Physician Assistant Studies Program. The institution has a combined faculty of more than 200, a staff of 900 and a cadre of some 300 volunteer community practitioners.

TCOM, founded in 1970, is Texas' only college of osteopathic medicine and one of only 20 in the country. Roughly three-fourths of TCOM alumni practice primary care, such as family medicine, internal medicine, obstetrics/gynecology and pediatrics. This is the highest proportion among the state's eight medical schools and one of the highest in the country. TCOM's Physician Assistant Studies Program offers a master's of science degree with a major in Physician Assistant Studies, one of the growing number of PA programs educating these mid-level medical professionals at the master's level.

Since 1993, the graduate school has offered master's and doctoral degrees in the biomedical sciences, with disciplines in anatomy and cell biology, biochemistry and molecular biology, biomedical sciences, biotechnology, integrative physiology, microbiology and immunology, and pharmacology.

The School of Public Health was established in 1999 and offers the Master of Public Health and Doctor of Public Health degrees. *U.S. News & World Report* ranked the SPH's program in community health among the top 20 master's degree programs in the United States in its 2000 and 2001 lists of top graduate schools.

Faculty members in the health science center's medical school make up the Physicians & Surgeons Medical Group, one of Tarrant County's largest multi-specialty medical group practices. These 100-plus doctors practice in almost all medical and surgical specialties and subspecialties, including allergy/immunology, cardiology, neurology, sports medicine and neuro-surgery. Our faculty physicians also lead numerous clinical research projects seeking improved treatments for such disorders as high blood pressure, migraine, ulcers, arthritis and diabetes.

In keeping with its commitment to research, the health science center has several Institutes for Discovery focusing on the expertise of our internationally recognized researchers. They include the Institute for Cancer Research, the Cardiovascular Research Institute, the North Texas Eye Research Institute, the Physical Medicine Institute, the Institute for Public Health Research and the Institute for Aging and Alzheimer's Disease Research. Through these institutes, faculty researchers join with physicians, industry researchers and other biomedical and public health scientists from academic research institutions around the world to conduct multi-million dollar studies aimed at speeding the process of discovery through collaboration.

The health science center is also home to one of the most advanced medical libraries in the Southwest and one of the nation's leading DNA identity testing laboratories, providing state of the art results for paternity, crime scene evaluation, Lyme's disease analysis and missing persons tracking.

Among the health science center's community endeavors is Fort Worth's medical and technology business incubator, MedTech. This singular project is creating new businesses and new jobs for the city, while taking medical discoveries from concept to development.

In keeping with the center's location in Fort Worth's Cultural District, the campus has a public art gallery, where local artists display their work and the annual 12-county High School Art Competition is held.

Institute for Public Health Research (IPHR)

The Institute for Public Health Research, which was established in 2000 by the UNT Health Science Center's School of Public Health, addresses the health and health care needs of the local, state and global community through applied research, communication, and professional and community training. It provides specialized training, consulting, research and technical assistance to organizations and agencies that practice health care and public health.

The goal of the IPHR is to develop public health-related solutions for communities through academic/community partnerships with health departments, community organizations, health care delivery organizations, other health-related organizations and academic units within universities.

Institute research scholars have expertise in several areas of public health including epidemiology, health management, health policy and law, environmental and occupational health, behavioral sciences, health education, community health and biostatistics.

The model guiding the institute's work emphasizes a collaborative approach to prevention research. IPHR research scholars, staff and students use an array of research methods, including intervention studies, evaluation research, field trials, and demonstration projects to affect changes in the health of targeted communities or population groups.

Center for Workforce Development and Public Health Leadership

The purpose of the Center for Workforce Development and Public Health Leadership is to facilitate the development of state public health training systems focused on improving the capacity of both the front line public health worker and the public health leadership to respond to current, new and emerging public health threats. The Center provides a continuum of accessible learning opportunities for public health workers throughout their careers. This Center is concerned with providing professional workforce development services to personnel at state and local health departments, community-based organizations and other entities charged to carry out public health programs in general. The program develops model public health practice curricula to support the vision of a competent workforce able to deliver the essential public health services. The Center programs are dedicated to meeting the state and regional leadership needs by developing and enhancing individual and organizational leadership and management for improving and promoting the health of communities. The Center provides a unique learning experience for a broad array of public health professionals and others who are integral to the development of healthy communities. Through the development of leadership skills and shared vision, the institutes and programs facilitate creative, integral, collaborative approaches to the achievement of public health core functions and essential public health services. The state/regional programs are developing an extensive network of public health leaders with an increased capacity to strengthen the relationship among public health practitioners, health care service providers, academia and communities. The research focus for the Center is in the area of leadership development and maintenance.

Center for Epidemiology and Disease Prevention Research

Members of the Center for Epidemiology and Disease Prevention Research conduct research that can ultimately serve as the basis for the development of disease prevention and public health initiatives. These include epidemiologic investigations of the occurrence of disease in human populations and evaluation studies of primary, secondary and tertiary prevention modalities. Members of the Center also collaborate with clinical researchers on the efficacy and risks associated with clinical, field and community intervention trials. In addition, the Center provides biostatistical and quantitative epidemiologic consulting services to the university community and to government, industrial and community agencies. These services include study, survey and experimental design, data analysis, theoretical and empirical data modeling, and assistance with the preparation of research proposals. Some examples of the research that members of the Center have previously conducted include epidemiologic studies of occupational cohorts, studies of nutrition and cancer, longitudinal studies of large populations and risks associated with environmental exposures.

Center for Occupational and Environmental Research and Training

The Center for Occupational and Environmental Health Research and Training is one of the core Centers within the Institute for Public Health Research. Participating faculty are drawn from the Divisions within the School of Public Health which include Occupational and Environmental Health, Epidemiology, Biostatistics, Social and Behavioral Sciences, and Health Management and Policy as well as faculty of the Graduate School of Biomedical Sciences and the Texas College of Osteopathic Medicine. The skills of other external colleagues (industrial hygienists, toxicologists, safety specialists, etc.) have also been enlisted as needed. The Center's activities emphasize both research and service. Research activities focus on characterizing the epidemiologic aspects and the exposure-response relationships of occupational and environmental health issues, illness and injury. Development and evaluation of occupational and environmental health surveillance models and strategies for prevention are also addressed. With the diverse background and expertise of the faculty and the wealth of community resources, many topics of

research can be addressed and pursued. Service activities focus on recognizing community "customers" by offering occupational and environmental epidemiological consulting services to governmental agencies and private sector companies. Due to downsizing, employers often do not have the manpower to provide efficacy studies of internal processes for general future planning, for policy institution, or for preventive environmental interventions. Utilizing the expertise of the faculty and the availability of masters level public health graduate students, statistical and extrapolated epidemiological services can be offered to such community clients. Both the research and service activities provide avenues of practical, applicable research and training experiences for the Masters of Public Health students and as well as provide a doorway to collaborative efforts amongst fellow faculty members.

Center for Biostatistical Consulting

The center provides accessible biostatistical consulting services to health science center faculty and students. The center specializes in the development of data collection instruments, database design/ management, statistical analysis of data, and the generation of specialized reports of data analysis results. The center also offers consultation to faculty and students on statistical issues such as modeling and randomization schemes. Complex statistical issues are addressed by a faculty level consult.

The goal of this center is to foster collaborative efforts across the health science center, as databases become a shared resource and to provide faculty and students with more time to devote to research methodology, grant writing and publishing.

Center for Health Management and Policy Research

The Center for Health Management and Policy Research conducts sponsored health services research and policy analyses on complex health policy issues. It is located within the School of Public Health. The Center identifies, monitors, and analyzes emerging issues in an international federal and state health law and policy and evaluates the effects of changing policies on health care access, quality, and cost. Research projects are conducted and overseen by an interdisciplinary faculty and staff who combine formal academic training with a variety of professional backgrounds in law, government, economics, politics, management, and medicine, Projects are carried out both alone and in collaboration with various entities: other University research centers; departments within the University's Medical and Public Health Schools; and other policy and research analysis organizations throughout the country. Results of research will be disseminated broadly to promote educational and service objectives.

Center for Cross-Cultural and Community Health Research

This research center provides a forum for faculty and students interested in interdisciplinary investigations of the socioeconomic, cultural, behavioral, and biological determinants of U.S. racial and ethnic group differences in health status. Developing theoretical and applied perspectives appropriate for an increasingly multi-ethnic, multi-cultural society is an important educational objective of this center. The Center assists the community in identifying problems and needed interventions, mobilizing community resources and assets, and implementing, evaluating, strengthening, sustaining, and disseminating health promotion and disease prevention activities. Through the development of innovative and culturally relevant research, new models of community organization and participatory research appropriate for effective health practice can be identified and evaluated. Located in the School of Public Health, the Center serves the entire university as an outreach mechanism for community-based health initiatives.

The UNT Health Science Center Institutes for Discovery

Cardiovascular Research Institute (CRI)

The Cardiovascular Research Institute, established in 1995, promotes basic and clinical research, education, patient care and community outreach in the prevention, detection, diagnosis and treatment of cardiovascular disease and stroke. The CRI is directly involved in the adaptation of intellectual property to meet the needs of the medical community, including the development of pharmaceuticals, biotechnology, medical devices and the rehabilitation of victims of stroke.

A Ph.D. degree in integrative physiology is offered through the Graduate School of Biomedical Sciences. Predoctoral and postdoctoral students receive advanced training in entrepreneurial research development through the CRI, along with studies and research through the Department of Integrative Physiology.

Institute for Aging and Alzheimer's Disease Research (IAADR)

The Institute for Aging and Alzheimer's Disease Research was established in August 2000 under the directorship of Dr. James W. Simpkins, an internationally recognized researcher in Alzheimer's and neurodegenerative diseases. The institute promotes basic and clinical research, focusing on early detection of Alzheimer's disease, estrogen replacement therapy for Alzheimer's disease and Parkinson's disease, estrogen and stroke therapy and identification and characterization of the oxidative process to measure the rate of aging.

The institute serves as a focal point for interaction with private-sector biotechnology and pharmaceutical companies with interest in neurological disorders. A biweekly seminar series is co-sponsored by the institute and the Department of Pharmacology and Neuroscience. The institute's activities also include supporting educational and health promotion programs within the community that encourage physical, psychological and social well-being.

Institute for Cancer Research (ICR)

The Institute for Cancer Research serves as the focus for academic leadership in all aspects of cancer research and education within the UNT Health Science Center, as well as for Fort Worth and the North Texas area. The institute serves as the focal point and coordinating organization for cancer-related educational activities at the health science center at the predoctoral, postdoctoral, undergraduate and continuing education levels.

The institute's scope includes, but is not limited to, various aspects of basic and translational research. Institute activities emphasize cancer prevention and control, molecular diagnostics, clinical investigations, and cancer diagnosis and therapy. Basic and translational research areas include cell biology, biochemistry, molecular biology, gene therapy, progression, invasion, angiogenesis/vasculature, metastasis, immunology and experimental therapeutics.

The institute serves as a focal point for interactions with private-sector biotechnology and pharmaceutical companies with interests in cancer.

North Texas Eye Research Institute (NTERI)

The North Texas Eye Research Institute was formed in 1992 to serve as an academic and research focus for basic and clinical science activities within the visual science community of Fort Worth and North Texas.

Institute faculty members are multidisciplinary basic and clinical scientists who have primary appointments at the health science center, private practice or industry. They are heavily involved in the training of medical students, graduate students and postdoctoral fellows. Their research programs cover aspects of eye disease such as retinal degenerations, glaucoma, diabetic complications, aging and cataracts.

The institute sponsors a monthly Distinguished Visual Scientist Seminar Series, a weekly journal club and continuing medical education courses for health professionals. Institute faculty also conduct clinical trials for testing the safety and efficacy of various therapeutic drugs and devices.

Physical Medicine Institute (PMI)

The Physical Medicine Institute, established in 1998, promotes basic and clinical research, education, clinical practice and community outreach programs in the prevention, diagnosis, treatment and rehabilitation of neuromusculoskeletal disease of human beings of all ages.

The institute is a multi-disciplinary organization composed of basic and clinical science professionals whose interests and work deal with neuromusculoskeletal physiology and pathophysiology. Emphasis is on education, clinical service and research in osteopathic manipulative medicine.

Objectives of the institute include: development of a broad, universally accessible literature database related to osteopathic manipulative medicine and neuromusculoskeletal medicine; education of students, physicians, researchers and the community; provision of state-of-the-art clinical services in osteopathic manipulative medicine and neuromusculoskeletal medicine; development of an international, interdisciplinary taxonomy of manual medicine techniques; and development and publication of clinical and basic science research into the mechanism of action and clinical efficacy of osteopathic manipulative treatment of neuromusculoskeletal disease.

2 Master of Public Health

The goal of the Master of Public Health (M.P.H.) program is to prepare students to be effective public health professionals. Public health professionals work in a variety of organizations and agencies to contribute to the common aim of promoting and protecting health in human populations. Students in the M.P.H. program elect a concentration in one of seven areas. The areas of concentration include biostatistics, community health, environmental health, epidemiology, clinical research, health informatics and health management and policy. The M.P.H. program is a cooperative program with the University of North Texas (UNT) at Denton and has been designed to utilize, where appropriate, existing courses and program resources at both UNT and the School of Public Health. Courses offered at UNT are marked with an asterisk (*) throughout this chapter.

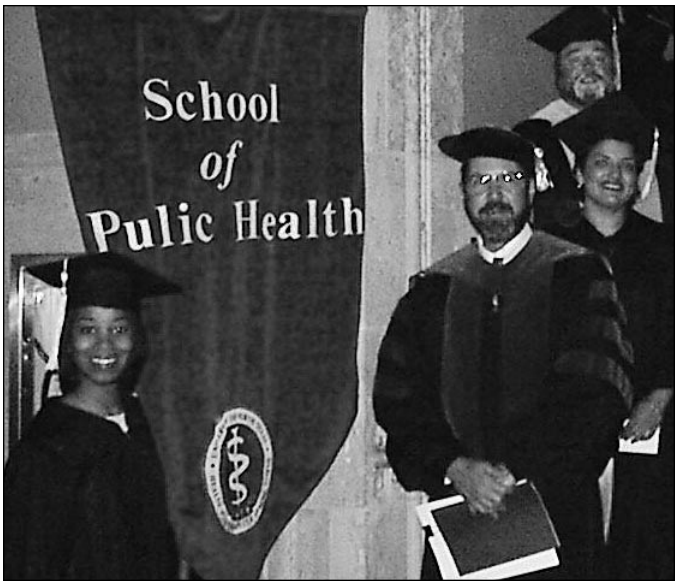
Admissions & Curriculum

An application for admissions can be obtained from the School of Public Health by writing to:

School of Public Health
UNT Health Science Center at Fort Worth
3500 Camp Bowie Boulevard
Fort Worth, Texas 76107-2699
Or on the Web at: www.hsc.unt.edu

Applicants applying for the first time to the School of Public Health must pay a non-refundable application fee: $25 for U.S. citizens, $75 for non-U.S. citizens and permanent residents ($25 application fee and $50 educational records evaluation fee). The fee must be paid in U.S. currency. The application fee is valid for one year from the application date.

The faculty in the department for which the student has requested admission reviews all complete applications. The Department Chair then forwards the decision to the Admissions Committee for review. The Admissions Committee reviews the applicant's file and makes the formal recommendation to the Dean of the School of Public Health regarding admission or rejection. The Dean reserves the right to make the final decision regarding the admission status of each applicant.



Applicants to the Master of Public Health (M.P.H.) program will fall under one of the following admissions statuses:

1. Full Admission: Accepted without reservations to the M.P.H. program
2. Conditional Admission: Accepted as a School of Public Health student and must meet established requirements and request to be reviewed for Full Admission by a department prior to the completion of 12 SCH.
3. Non-Degree Admission: Accepted to take courses offered at the School of Public Health with no intent on seeking full admission status. (Maximum of 12 SCH are allowed while in this status.)
4. Rejection: Rejected as a non-competitive applicant
5. Non-Review: Not reviewed due to an incomplete application file

Application Deadlines

Fall Semester: First business day in June
Spring Semester: First business day in November
Summer Semester: First business day in April

International applicants are encouraged to apply at least one month prior to these deadlines. The extra time is required to review and process foreign transcripts, as well as prepare and file the appropriate immigration documents. International applicants who apply within one month of the application deadline are subject to Non-Review status if the time required to review the transcripts and prepare the immigration documents extends past the previously s tated application deadline.

Admissions Requirements

1. The applicant must hold a minimum of a bachelor's degree or its equivalent from a regionally or federally accredited institution.
2. The applicant must designate on the application and reference in their Statement of Goals the area of study they wish to pursue within the M.P.H. program.
3. The applicant must provide transcripts documenting their GPA on all undergraduate and post-graduate work.
4. All students seeking admission to a graduate degree program are required to take and submit scores for the Graduate Record Examination (GRE). Applicants to the Department of Health Management and Policy may substitute the GMAT for the GRE. Applicants to the D.O./M.P.H. program may substitute MCAT for the GRE. Only official score reports from the Educational Testing Service are acceptable.
5. The health science center requires an applicant from a foreign country to demonstrate satisfactory proficiency in oral and written English before being granted admission.
6. To be considered for admission, the applicant must file the following official credentials with the School of Public Health Office of Admissions and Student Services:
   - An application for admission to the School of Public Health
   - Complete official transcripts from all colleges or universities attended
   - Official scores from all required entrance exams or tests (may include one or more of the following: GRE, GMAT, TOEFL, MCAT, etc.)
   - The application fee
   - Two letters of evaluation by individuals in a position to comment on the applicant's potential as a student and future professional.
   - A written statement of personal career goals
   - A current curriculum vita or resume
   - A completed family history form or waiver from family history consideration.

Applicants are furnished written notification regarding their admission status by the School of Public Health's Director of Admissions. Statements by other health science center personnel concerning the applicant's admissibility are not valid until confirmed in writing by the director of admissions.

Students who are admitted to a degree program and do not enroll in the semester for which they have applied must contact the School of Public Health Office of Admissions and Student Services for a deferment. Deferments cannot exceed one year from the semester of original acceptance.

An applicant desiring to pursue graduate work in any concentration whose undergraduate record does not show completion of the course prerequisite to this concentration will be required to make up such deficiencies in a manner prescribed by the student's academic advisor with approval by the appropriate department chair.

Information submitted in the application materials must be complete and correct. Prospective and current students must notify the proper institution officials regarding any changes in the information provided on their application. Falsification or omission of any information on the application documents will void a student's admission, cancel their enrollment, and/or result in appropriate disciplinary action. All materials submitted in the application become the property of UNT Health Science Center and cannot be returned.

Admission Requirements for International Students

Applicants who are not U.S. citizens should apply for admission at least four to six months before the anticipated enrollment date, and should arrange to have test scores and transcripts sent to the School of Public Health by the application deadline. If transferring from a college or university, they must meet all School of Public Health transfer admission requirements. Specific requirements are detailed below. The health science center will not issue immigration papers for student visas until all admission credentials have been received and approved. A $75 (U.S.) application fee is required and must be submitted with the application for admission. This fee is subject to change at any time. Applicants who are graduates of foreign colleges or universities must present the following documents for application:

- Application forms for admission to the School of Public Health accompanied by $75 (U.S.) application fee
- Official reports from Educational Testing Service (ETS) on the Graduate Record Examination
- Official reports from ETS showing a minimum score of 550 on the written Test of English as a Foreign Language (TOEFL), a score of 213 on the computer version of the TOEFL, or evidence of successful completion of a non-credit intensive course in English
- Official transcripts from each college or university attended both in English and the native language
- Proof of financial resources available, filed with application for admission
- Transfer credit from foreign universities. The amount of such credit that can be applied to a degree earned at the health science center will be determined by the department chair on recommendation of the student's advisor
- Two letters of evaluation by individuals in a position to comment on the applicant's potential as a public health student and future professional.
- Written statement of personal career goals
- A current curriculum vitae or resume

1. Acceptance into the School of Public Health and an advisor is assigned.
2. The student must file a degree plan approved by the advisor and department chair with the School of Public Health Office of Admissions and Student Services before the completion of the first semester of enrollment. Enrollment will be restricted after the first semester unless a degree plan is on file.
3. Students must complete a practicum. Students are eligible to enroll for practicum (SPH 5850) after completion of a minimum of 21 SCH, 6 SCH of which must be in their concentration area. Students must confer with the Public Health Practice Coordinator prior to registration.
4. Prior to enrolling in thesis or professional report, a student must select and gain consent from a major professor to supervise the culminating experience. The student must subsequently select a faculty committee and obtain their approval of a proposal for the thesis or professional report. The proposal must be filed with the IRB Office and the School of Public Health Office of Admissions and Student Services.
5. Once a student has enrolled in thesis or professional report, he/she must maintain continuous enrollment in a minimum of 3 SCH of thesis or professional report during each semester (fall, spring, summer) until the final document has been accepted by the dean. Failure to maintain continuous enrollment will either invalidate any previous credit or will result in the student's dismissal from the degree program unless granted an official leave of absence by the dean for medical or other exceptional reasons.
6. The completed thesis or professional report must be submitted to the faculty committee prior to an oral presentation. (see academic calendar for deadlines)
7. Students are required to give an oral presentation to the faculty committee on the thesis or professional report.
8. Three copies of the thesis must be bound for institutional use. These are distributed to the major professor, the department chair and the reference section of the Gibson D. Lewis Health Science Center Library. Two additional copies are required. The fourth copy remains unbound in the library archives. The fifth copy remains unbound in the School of Public Health.
9. Students must submit an Intent to Graduate form to the School

Academic Procedures

Each student is responsible for the completion of the Master of Public Health program according to the procedures listed above. Each item must be completed in the sequence and time period indicated. Forms are subject to revision at any time and should be obtained from the School of Public Health Office of Admissions and Student Services.

of Public Health Office of Admissions and Student Services at the beginning of the semester of planned graduation. Students must be registered for credit hours in the semester they graduate.

Core Curriculum Requirements: 18 SCH

EPID 5100	Principles of Epidemiology *	3 SCH
SCBS 5110	Behavioral and Social Aspects of Public Health	3 SCH
HMAP 5130	Principles of Public Health	3 SCH
HMAP 5200	Health Administration	3 SCH
BIOS 5210	Biostatisics for Public Health I	3 SCH
ENVR 5300	Environmental Health	3 SCH

* Epidemiology students take EPID 5605 Theory & Practice of Epidemiology I in place of this course

A student may petition to waive a core course requirement based on comparable prior course work or experience. The student's advisor and department chair must approve such petition.

Concentration Curriculum: 21-27 SCH

The concentration curriculum includes a practicum (3 SCH), a quantitative or analytic course (3 SCH), and other required and elective courses as specified in the following sections. The practicum is an important element of the M.P.H. curriculum through which the student obtains experience in a practice setting appropriate to the development of professional practice skills.

Culminating Experience: 6 SCH*

SPH 5950	Thesis	6 SCH
SPH 5800	Capstone	3 SCH
SPH 5900	Professional Report	3 SCH

The thesis is an individual research project conducted under the supervision of a faculty committee. The thesis is written in a traditional academic style or in journal article manuscript format and orally defended. Capstone is an organized semester long course, under the supervision of faculty, in which a team project is conducted and a team written presentation of the project is produced. Students electing the capstone option must also complete the professional report. The professional report is an individual project that addresses a well-focused public health question or issue. The professional report is supervised by a faculty committee and requires an oral presentation to the committee by the student.

*Epidemiology students are required to take a comprehensive examination at the end of their coursework which serves as their culminating experience. Students are responsible for coordinating with the Department of Epidemiology to schedule this examination.

Master of Public Health Program-Wide Learning Objectives

After completion of the M.P.H. program, the student will be able to:

1. Select and apply effective approaches to prevent disease and promote health in human populations.
2. Identify the contribution of social, cultural, and physical environments as risk factors and root causes of health status, health outcomes and use of health services.
3. Use appropriate analytical methods and make relevant inferences in analysis of data related to a public health problem.
4. Critically evaluate literature and data relevant to public health issues.
5. Communicate effectively in writing and orally with the lay public and within professional and academic forums.
6. Use technology to access, communicate, manage and analyze data and information.
7. Lead and participate effectively in a group to address issues by applying basic team building and human relations skills problem solving.

Department of Biostatistics

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The Department of Biostatistics promotes education, practice, application and research in biostatistics and related fields. The department has faculty with expertise in biostatistical methodology and application. Their interests include regression methods, survival analysis, sequential analysis, multivariate analysis, cancer modeling, clinical trial, statistical consulting, data management and information systems. The department is active in the development and application of statistical methods in public health, medical and biomedical sciences training graduate students, and in collaborating with basic and clinical science investigators. The department consults with investigators in research study design and grant preparation, data collection and data management, safety and efficacy monitoring, statistical analysis and manuscript preparation. The department offers various courses in biostatistics to meet the challenge of today's career requirements. The department administers the Master of Public Health degree in two areas of concentration, biostatistics and clinical research.

Biostatistics Concentration

The biostatistics concentration is intended for students wishing to pursue careers in local, state and federal health agencies, health and medical centers, research institutions, health and pharmaceutical industries. The M.P.H. degree in biostatistics is a professional degree that is designed to train students in data management, statistical analysis, interpretation and presentation of analytical results. The courses in the program emphasize the methodology and procedures of statistical analysis and research designs, using computing technology. In addition to a wide variety of exciting applications, there are excellent career opportunities in biostatistics. Applicants to this program are expected to have a background in college algebra and calculus.

Biostatistics Concentration Curriculum

Practicum Requirement: 3 SCH

SPH 5850	Practice Experience in Public Health	3 SCH

Required Courses: 12 SCH

BIOS 5215	Biostatistics for Public Health II	3 SCH
BIOS 5700	Mathematical Statistics I	3 SCH
BIOS 5730	Regression Analysis	3 SCH
BIOS 5735	Analysis of Variance and Covariance	3 SCH

Elective Courses: 6 SCH

BIOS 5710	Mathematical Statistics II	3 SCH
BIOS 5720	Survey Sampling	3 SCH
BIOS 5725	Nonparametric Statistical Methods	3 SCH
BIOS 5740	Introduction to Statistical Packages	3 SCH
BIOS 5745	Biostatistics in Epidemiology	3 SCH
BIOS 5750	Operations Research	3 SCH
BIOS 5910	Independent Study in Biostatistics	3 SCH
BIOS 6760	Multivariate Analysis of Variance	3 SCH
BIOS 6770	Survival Analysis	3 SCH
BIOS 6790	Seminar in Biostatistics	3 SCH

With approval of the advisor, students may substitute an elective course not on this list.

Biostatistics Concentration Learning Objectives

1. Assess a public health problem using quantitative and/or qualitative data.
2. Know standard terminology and statistical symbols.
3. Select appropriate statistical techniques for a public health problem.
4. Identify, develop, apply and modify an appropriate statistical approach to a public health problem based on constraints and available resources.
5. Work effectively with professionals in public health on problems requiring more advanced concepts and tools.
6. Identify and develop appropriate study designs, sample size and power analysis to a public health problem.
7. Identify and develop appropriate data collection strategies for an appropriate statistical method.
8. Compute statistics with statistical software and/or a hand calculator.
9. Summarize results from statistical analyses.
10. Review statistical analyses and results critically in public health literature.
11. Prepare analyses in a written report from a public health and/or biomedical perspective.
12. Present and interpret findings clearly and concisely in a public health meeting or conference.

Clinical Research Concentration

The Master of Public Health (M.P.H.) degree in clinical research is primarily designed for those who are currently working in the health care professions. The program is for professionals who wish to prepare for roles in clinical research, health care research, medical database management, or statistical consulting in medical or public health settings. The Master of Public Health (M.P.H.) is oriented toward applied clinical research, outcome measurement, and applied biostatistics.

Clinical Research Concentration Curriculum

Practicum Requirement: 3 SCH

SPH 5850	Practice Experience in Public Health	3 SCH

Required Courses: 15 SCH

BIOS 5215	Biostatistics for Public Health II	3 SCH
BIOS 5735	Analysis of Variance	3 SCH
BIOS 5730	Regression Analysis	3 SCH
BIOS 5770	Clinical Trials	3 SCH
BIOS 6710	Outcome Measurement in Health Care	3 SCH

Elective Courses: 6 SCH

BIOS 5760	Data Management	3 SCH
BIOS 5910	Independent Study in Biostatistics	3 SCH
BIOS 6780	Statistical Consulting	3 SCH
BIOS 6770	Survival Analysis	3 SCH
BIOS 6760	Multivariate Statistics	3 SCH
EPID 5610	Chronic Disease Epidemiology	3 SCH
EPID 5630	Infectious Disease Epidemiology	3 SCH
HMAP 5720	Survey Sampling	3 SCH
HMAP 6200	Organizational Management	3 SCH
HMAP 6225	Quality Management in Long-term Care	3 SCH

Clinical Research Concentration Learning Objectives

1. Conduct experimental research in public health such as community trials and clinical trials in collaboration with other health professionals.
2. Conduct biostatistical research as applied to health care and public health issues.
3. Assist in the planning, development and evaluation of health systems and programs using biostatistical procedures.
4. Assist in the planning, development and evaluation of treatment outcome data collection in a broad array of health care facilities.
5. Analyze and solve a public health issue by applying statistical methodology.
6. Communicate findings of the analysis and solution of a problem of health care and public healthimportance of professional journals.
7. Plan and conduct independent research focusing onthe analysis and solution of a problem in public health parctice, via the completion of a thesis.

Department of Environmental and Occupational Health

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The Department of Environmental and Occupational Health includes faculty with experience and training in the fields of environmental health, environmental sciences, occupational medicine, and the regulatory control of occupational and environmental hazards. The academic and research activities of the department's faculty focus on environmental and occupational factors affecting the health of the public. The department administers the environmental health concentration in the M.P.H. degree program.

Environmental Health Concentration

The environmental health concentration accommodates students with various backgrounds and interests, who desire careers related to the environmental aspects of public health. Specifically, this area of concentration provides the expertise and experience to analyze, monitor, interpret and mitigate the effects of chemical contaminant and microbial and viral pathogens in water, air, soil and food on public health. It prepares students in the M.P.H. program for technical and administrative jobs in the governmental and private sectors. The UNT Health Science Center in Fort Worth coordinates the environmental health concentration in collaboration with the Environmental Science Program in the Department of Biological Sciences at University of North Texas.

Environmental Health Concentration Curriculum

Practicum Requirement: 3 SCH

*BIOL 5900	Special Problem: Practice Experience in Public Health	3 SCH

Required Courses: 6 SCH

BIOS 5215	Biostatistics for Public Health II	3 SCH
ENVR 5315	Environmental Health Risk Analysis & Management	3 SCH

Selective/Elective Courses: 3 SCH

ENVR 5320	Occupational Health	3 SCH
ENVR 5330	Environmental Toxicology	3 SCH
*GEOG 5600	Seminar in Environmental Policy	3 SCH
*PHIL 5700	Seminar in Environmental Ethics	3 SCH

Elective Courses: Minimum of 9 SCH

*BIOL 5040	Contemporary Topics in Environmental Sciences & Ecology**	3 SCH
*BIOL 5040	Topics: Air Pollution	3 SCH
*BIOL 5040	Topics: Air Pollution Laboratory	1 SCH
*BIOL 5360	Chemistry of Water and Water Pollution	4 SCH
*BIOL 5380	Fundamentals of Aquatic Toxicology	4 SCH
*BIOL 5880	Environmental Sciences Seminar Series	1 SCH
ENVR 5420	Texas-Mexico Border Health Issues	3 SCH
ENVR 5910	Independent Study in Environmental Health	1-3 SCH
ENVR 6340	Environmental Impact Assessment	3 SCH
ENVR 6360	Water and Wastewater Management	3 SCH
EPID 6640	Environmental Epidemiology	3 SCH
EPID 6690	Occupational Epidemiology	3 SCH
*GEOG 5400	Environmental Modeling	3 SCH
*GEOG 5500	Introduction to Geographic Information Systems	3 SCH

* Courses offered at UNT, Denton
** Approval of the advisor is required for enrollment.
With approval of the Department Chair, students may substitute an elective course not on this list.

Environmental Health Concentration Learning Objectives

By the conclusion of the M.P.H. program, a student in the environmental health concentration will be able to:

1. Assess environmental health threats that affect the health of the public.
2. Understand the interplay between theory and practice of environmental health management.
3. Understand environmental protection strategies and approaches to reduce environmental health risks.
4. Identify, develop, apply and modify an appropriate research approach to an environmental health problem based on constraints and available resources.
5. Analyze quantitative and qualitative data to describe environmental conditions that have impacts on human health.
6. Synthesize data from a variety of sources, reflective of multidisciplinary perspectives, to develop strategies for addressing complex environmental health problems.
7. Communicate environmental health principles and concepts through various strategies across multiple sectors of the community.
8. Use biostatistics and statistical software to analyze an environmental health problem.
9. Interpret and present findings in written and verbal format from an environmental health and public health perspective
10. Present findings in tabular and graphic format.

Department of Epidemiology

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The Department of Epidemiology includes faculty with expertise in the conduct of etiologic research, applied epidemiology, public health surveillance, statistical analysis, and data management and information systems. Faculty research has emphasized the etiology of occupational diseases, cancer, cardiovascular disease, infectious and tropical diseases, and diseases related to environmental hazards. The department administers the epidemiology concentration in the M.P.H. program.

Epidemiology Concentration

The epidemiology concentration is designed for students seeking to acquire skills in the fundamental methods of disease investigation and prevention in large populations. Concentration courses emphasize basic and advanced epidemiologic principles and their application to current problems in public health and related disciplines. Students in the epidemiology concentration are expected to use appropriate methods to plan, implement, and conduct epidemiologic research. Students are also expected to critically evaluate research methodology to assess validity and potential sources of bias. Skills in computer use and statistics acquired in the public health program are used to analyze, interpret, and disseminate the results of epidemiologic investigations.

Epidemiology Concentration Curriculum

Practicum Requirement: 3 SCH

SPH 5850	Practice Experience in Public Health	3 SCH

Required Courses: 9 SCH

BIOS 5215	Biostatistics for Public Health II	3 SCH
EPID 5620	Theory & Practice of Epidemiology II	3 SCH
EPID 5660	Epidemiology of Diseases of Public Health Importance	3 SCH

Elective Courses: 15 SCH

BIOS 5740	Introduction of Statistical Packages	3 SCH
EPID 5610	Chronic Disease Epidemiology	3 SCH
EPID 5630	Infectious disease Epidemiology	3 SCH
EPID 5640	Epidemiology of Outbreaks/Investigations	3 SCH
EPID 5650	Epidemiology Seminar	1 SCH
EPID 5670	Epidemiology of HIV/AIDS	3 SCH
EPID 5680	Epidemiology of Sexually Transmitted Diseases (STD)	3 SCH
EPID 5690	Epidemiology of Bioterrorism /Catastrophic Events	3 SCH
EPID 5910	Independent Study in Epidemiology	3 SCH
EPID 6610	Cardiovascular Disease Epidemiology	3 SCH
EPID 6615	Epidemiologic Surveillance	3 SCH
EPID 6620	Survey Methodology	3 SCH
EPID 6625	Tropical Diseases Epidemiology	3 SCH
EPID 6630	Quantitative Epidemiologic Methods	3 SCH
EPID 6640	Environmental Epidemiology	3 SCH
EPID 6655	Epidemiology of Injury	3 SCH
EPID 6660	Reproductive & Perinatal Epidemiology	3 SCH
EPID 6670	Cancer Epidemiology	3 SCH
EPID 6680	Nutritional Epidemiology	3 SCH
EPID 6690	Occupational Epidemiology	3 SCH

With approval of the advisor, students may substitute an elective course not on this list.

Epidemiology Concentration Learning Objectives

By the conclusion of the M.P.H. program, a student in the epidemiology concentration will be able to:

1. Quickly assess a public health problem using quantitative and / or qualitative data.
2. Use relevant analysis for relevant study designs.
3. Understand the natural occurrence of disease and associated risk factors.
4. Understand the importance of ethical considerations in the conduct of epidemiological studies.
5. Identify, develop, apply and modify an appropriate research approach to an epidemiologic problem based on constraints and available resources.
6. Identify and develop data collection strategies for the appropriate epidemiologic approach.
7. Implement appropriate study designs to an epidemiologic problem.
8. Review epidemiologic literature critically.
9. Use biostatistics when analyzing an epidemiologic problem.
10. Use statistical software for the analysis of an epidemiologic problem.
11. Interpret and present findings in either a written or verbal format and from a biomedical and /or a public health perspective.
12. Present findings in tabular and graphic format as well as written and verbal.

Department of Health Management and Policy

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The Department of Health Management and Policy has faculty with broad experience in academic, public, and private sector environments. The departmental faculty works to develop linkages and opportunities for collaborative learning and research in the Dallas-Fort Worth metropolitan area. The department administers the health management and policy concentration in the M.P.H. program.

Health Management and Policy Concentration

The health management and policy concentration is designed to prepare students with competencies needed for careers in health management and policy. The curriculum addresses health systems, quantitative methods, health economics and finance, managed care, health policy, health law and other areas central to management, planning, and evaluation in both private and public sectors. The concentration draws from the broader resources of the School of Public Health and the University of North Texas Health Science Center to familiarize students with the culture and issues of health care. The concentration provides instruction in professional competencies commonly found in schools of business, management, public administration, and public policy.

Health Management and Policy Concentration Curriculum

Practicum Requirement: 3 SCH

SPH 5850	Practice Experience in Public Health	3 SCH

Required Courses: 9 SCH

HMAP 5240	Health Politics and Policy	3 SCH
HMAP 5245	Health Economics	3 SCH
HMAP 5255	Finance for Health Management	3 SCH

Selective Courses: 3 SCH*

BIOS 5215	Biostatistics for Public Health II	3 SCH
HMAP 5260	Health Information Systems	3 SCH

* BIOS 5215 recommended for students with a policy focus; HMAP 5260 recommended for students with a management focus

Elective Courses: 6 SCH

SCBS 5220	Ethnicity, Culture, and Health	3 SCH
HMAP 5250	Public Health Leadership	3 SCH
HMAP 5430	Health and Public Health Law	3 SCH
HMAP5450	Public Health Program Planning & Evaluation	3 SCH
HMAP 5910	Independent Study in Health Management & Policy	3 SCH

With approval of the advisor, students may substitute an elective course not on this list.

Health Management and Policy Concentration Learning Objectives

By the conclusion of the M.P.H. program, a student in the health management and policy concentration will be able to:

1. Understand the ethical framework suitable for the health management and policy arena.
2. Acquire concepts to enable them to participate in the health care system.
3. Acquire economic and financial analytical knowledge applicable to health management.
4. Develop knowledge regarding mechanisms to monitor and evaluate programs for their effectiveness and quality.
5. Understand the legal and political system and how to affect change within it.
6. Apply management and analytical skills that are enduring and transferable over the course of the student's career.
7. Collect, summarize and interpret policy-making structures and information relevant to a health issue.
8. Articulate the health, fiscal, administrative, legal, social and political implications of policy options.
9. Develop plans to implement and evaluate policies, including goals, outcomes, process objectives and implementation steps.
10. Manage information systems for the collection, retrieval and appropriate analysis of data for decision-making.
11. Apply quantitative and technological skills appropriate to health management and policy.

Health Informatics Concentration

The M.P.H. degree in Health Informatics is primarily designed for those who are currently working in the clinical or public health professions, and those who are interested in exploring the science of health computing. The program is for professionals who wish to prepare for roles in health computing industries, including but not limited to the following areas: clinical data management; health systems evaluation, development and analysis; geographic information systems (GIS) applications in health; and telemedicine of telehealth in medical or public health settings. The Master of Public Health is

oriented toward applied data processing and applications, health information system design and development, and other applied informatics in health settings. This concentration is offered jointly by the Department of Health Management & Policy and the Department of Biostatistics.

Health Informatics Concentration Curriculum

Practicum Requirement: 3 SCH

SPH 5850	Practice Experience in Public Health	3 SCH

Selective Courses: 12 SCH (6 from BIOS, 6 from HMAP)

BIOS 5215	Biostatistics for Public Health II	3 SCH
BIOS 5740	Introduction to Statistical Packages	3 SCH
BIOS 5780	GIS and Spatial Statistics in Health Research	3 SCH
BIOS 6710	Outcome Measurement in Health Care	3 SCH
HMAP 5260	Health Information Systems	3 SCH
HMAP 6200	Organizational Management	3 SCH
HMAP 6240	Advanced Health Informatics	3 SCH

Elective Courses: 6 SCH

BIOS 5730	Regression Analysis	3 SCH
BIOS 5760	Data Management	3 SCH
BIOS 6780	Statistical Consulting	3 SCH
HMAP 5430	Health and Public Health Law	3 SCH
HMAP 5440	Health Politics and Policy	3 SCH
HMAP 5445	Health Economics	3 SCH
HMAP 5255	Finance for Health Management	3 SCH
HMAP 6210	Health Services Research	3 SCH
HMAP 6225	Health Insurance and Managed Care	3 SCH

With approval of the advisor, students may substitute an elective course not on this list.

Health Informatics Concentration Learning Objectives

By the conclusion of the M.P.H. program, a student in the health informatics concentration will be able to:

1. Conduct evaluation and implementation techniques in public health, such as community needs assessment and clinical computing in collaboration with other health professionals.
2. Identify and interpret data related to social and behavioral foundations and other dimensions of health.
3. Conduct informatics research as applied to health care and public health issues.
4. Perform assessment, implementation and assurance of health information systems and programs using information science procedures.
5. Assist in the planning, development and evaluation of data input, processing, analysis and presentation in a broad array of health care facilities.
6. Analyze and solve health issues by applying statistical methodology.
7. Communicate findings of the analysis and provide policy recommendation for health care of public health in professional journals.
8. Plan and conduct independent research focusing on the analysis and solution of a problem in health practice via the completion of a thesis/professional report.

Department of Social and Behavioral Sciences

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The Department of Social and Behavioral Sciences includes faculty with expertise in community health, health education and health promotion, ethnicity and culture, health communication, and Hispanic/Latino health. The department administers the M.P.H. concentration in Community Health.

Community Health Concentration

The community health concentration prepares professionals from a variety of disciplinary backgrounds and interests (e.g., medicine, nursing, allied health, social work, psychology, dentistry, physician assistant, health education, nutrition, etc.) to assume public health positions. Students in this concentration have an i nterest in maintaining and improving the health of individuals, families, communities and populations. The community health concentration uses a multidisciplinary approach and focuses on social, cultural, political, and economic factors that influence health status and health related behaviors of individuals. The curriculum concentrates on strategies for the promotion of health and the prevention of disease in populations through public health policy and interventions in the context of social structure, community, family, and health care systems. The community health concentration emphasizes the role of social, economic, cultural, and behavioral factors in disease prevention, promotion of health, vulnerability to disease, and interaction with health care systems. Traditionally, program graduates have assumed positions in both the public and private health care. The M.P.H. program can serve as preparation for doctoral studies.

Community Health Concentration Curriculum

Practicum Requirement: 3 SCH

SPH 5850	Practice Experience in Public Health	3 SCH

Required Courses: 9 SCH

BIOS 5215	Biostatistics for Public Health II	3 SCH
SCBS 5400	Community Health	3 SCH
SCBS 5410	Community Assessment	3 SCH

Selective Courses: 6 SCH

HMAP 5450	Public Health Program Planning & Evaluation	3 SCH
SCBS 5220	Ethnicity, Culture and Health	3 SCH
SCBS 5230	Community Health Education Strategies	3 SCH
SCBS 5430	Health Communication Strategies in Public Health	3 SCH

Elective Courses: 3 SCH

BIOS 5740	Introduction to Statistical Packages	3 SCH
EPID 5610	Chronic Disease Epidemiology	3 SCH
EPID 6620	Survey Methodology	3 SCH
HMAP 5240	Health Politics and Policy	3 SCH
HMAP 5250	Public Health Leadership	3 SCH
SCBS 5225	Medical Anthropology	3 SCH
SCBS 5420	Texas-Mexico Border Health Issues	3 SCH
SCBS 5500	Introduction to International Health	3 SCH
SCBS 5560	Field Studies in International Health I	3 SCH
SCBS 5910	Independent Study in Social & Behavioral Sciences	3 SCH
SCBS 6170	Qualitative Research Methods	3 SCH

Students may substitute for BIOS 5215 (Required Course) with EPID 6620 or SCBS 6170. Additionally, with academic advisor approval, students may substitute an elective course not on this list.

Community Health Concentration Learning Objectives

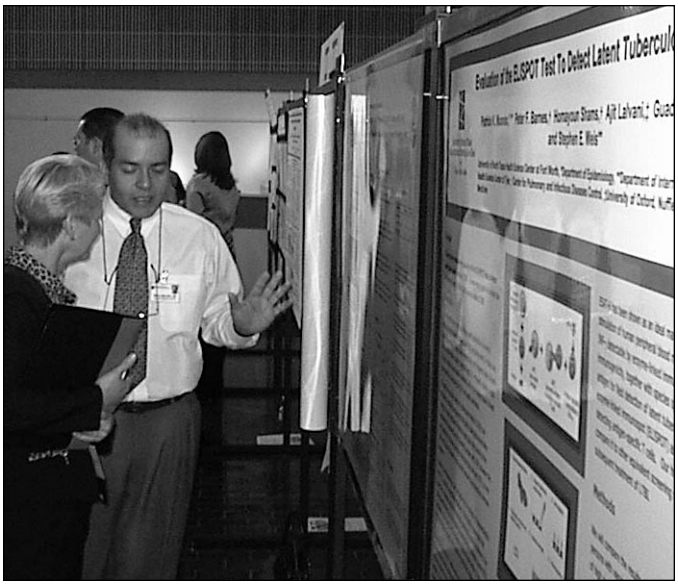
By the conclusion of the MPH program, a student in the community health concentration will be able to:

1. Recognize the value and the implications of diversity (racial/ethnic, cultural, social) and the importance of cultural competency in addressing public health issues in the community.
2. Identify the role and impact of demographic, social, economic, cultural, political, and behavioral factors in determining population health status, disease, disease preventing and health promoting behavior, and medical service organization and delivery.
3. Know and understand how race/ethnicity, socioeconomic status, demographic characteristics, and culture affect individual and group physical and mental health and responses to health message.
4. Recognize and analyze the implications of the global interconnectives of our society in the economic, social, and political areas and its public health implications at the local level.
5. Recognize and analyze factors that contribute to individuals' social, economic, and political incorporation and acculturation in the mainstream society and describe how this process affects health status and delivery of health care.
6. Critically evaluate and use the behavioral sciences theory and literature in determining which health promotion/disease prevention programs/interventions may or may not be effective because of group social, racial, ethnic, economic factors as well as unique characteristics and requirements of different cultures.
7. Apply knowledge of community social, economic, political and cultural characteristics in the development and implementation of interventions in participatory community health planning.
8. Identify and assess economic, cultural and social barriers to the development of programs to address community public health needs and adapts approaches and solutions to problems that take into account cultural differences.
9. Promotes networks and establish partnerships with diverse community agencies, health providers, community organizations and institutions to promote policies, programs, services and resources that protect the health of community residents.
10. Interact sensitively, effectively, and professionally with persons from diverse cultural, socioeconomic, educational, and professional backgrounds and with persons of all ages and lifestyle preferences.

3 Doctor of Public Health in Public Health Practice

Admissions Requirements

1. The applicant must hold a minimum of a master's degree from a regionally or federally accredited institution. Preference is given to applicants with the Master of Public Health (M.P.H.) degree. Students who do not hold the M.P.H. degree will be required to take additional courses dependant upon their prior training and work experience. This additional course requirement will consist of 18 SCH minimum (6 courses) and 36 SCH maximum (12 courses).
2. The applicant must designate on the application and reference in their Statement of Goals the area of study they wish to pursue within the Dr.P.H. program.
3. The applicant must provide transcripts documenting their GPA on all prior undergraduate and graduate work.
4. All students seeking admission to a graduate degree program are required to take and submit scores for the Graduate Record Examination (GRE). Applicants to the Department of Health Management and Policy may substitute the GMAT for the GRE. Only official score reports from the Educational Testing Service are acceptable.
5. The health science center requires an applicant from a foreign country to demonstrate satisfactory proficiency in oral and written English before being granted admission.
6. To be considered for admission, the applicant must file the following official credentials with the School of Public Health Office of Admissions and Student Services:
   - An application for admission to the School of Public Health
   - Complete official transcripts from all colleges or universities attended
   - Official scores from all required entrance exams or tests (may include one or more of the following: GRE, GMAT, TOEFL, MCAT, etc.)
   - The application fee
   - Two letters of evaluation by individuals in a position to comment on the applicant's potential as a student and future professional.



   - A written statement of personal career goals
   - A current curriculum vita or resume
   - A completed family history form or waiver from family history consideration.

The Doctor of Public Health (Dr.P.H.) degree in Public Health Practice is an indication of distinguished scholarly accomplishment in the professional field. The goal of the Dr.P.H. program is to prepare students for leadership roles in the professional practice of public health in governmental, private and not-for-profit organizations. Enrollment into the program is limited to applicants who have satisfactorily completed an M.P.H. degree or equivalent prerequisite requirements. Preference may be given to those with professional public health work experience.

Students in the Dr.P.H. program elect an area of concentration in Biostatistics, Disease Prevention and Control, Health Management and Policy, or Social and Behavioral Sciences.

Academic Procedures

Each student is responsible for the completion of the Dr.P.H. program according to the procedures that follow. Each item must be completed in the sequence and time period indicated. Forms are subject to revision at any time and should be obtained from the School of Public Health Office of Admissions and Student Services.

1. Acceptance into the School of Public Health and an academic advisor is assigned.
2. The student must file a degree plan approved by the advisor and the Dr.P.H. program coordinator with the School of Public Health Office of Admissions and Student Services before the completion of the first semester of enrollment. Enrollment will be restricted after the first semester unless a degree plan is on file.
3. Upon the completion of the core Dr. P.H. coursework, a written qualifying examination will be administered to ascertain the student's competency in the core curriculum before advancing to a concentration area.
4. After successful completion of the core qualifying exam, the student, in consultation with the advisor, must select a dissertation committee. This committee must consist of a minimum of three faculty members, two within the student's department and one from outside the student's department.
5. Before the Dr.P.H. student may advance to candidacy status, he/she must submit a report in the form of a paper for publication in a public health journal. A second journal article must be submitted before the student's graduation from the Dr.P.H. program, but may be submitted after the student has advanced to Dr. P.H. candidacy status.
6. After completion of the concentration area courses, a specialized qualifying examination will be administered by the dissertation committee to evaluate the student's readiness for the doctoral dissertation. Upon passing the qualifying examination, the Dr.P.H. student will advance to candidacy status.
7. The student must obtain committee approval of a proposal for the dissertation by orally presenting and defending the proposal to the committee; the presentation and defense of the dissertation proposal may be done in conjunction with the specialized qualifying examination. The approved proposal must be filed with the School of Public Health Office of Admissions and Student Services.

8. Once the student has enrolled in dissertation, he/she must maintain continuous enrollment in a minimum of 3 SCH of dissertation during each semester (fall, spring, summer) until the final document has been accepted by the dean. Failure to maintain continuous enrollment will either invalidate any previous credit or will result in the student's dismissal from the degree program unless granted an official leave of absence by the dean for medical or other exceptional reasons.
9. The final draft of the dissertation must be submitted to the dissertation committee prior to the oral presentation/defense of the dissertation (see academic calendar for deadlines).
10. The student is required to orally present and defend the dissertation to the dissertation committee in a formal seminar open to the public. A defense form indicating a grade of pass or fail for the student's dissertation defense must be completed and signed by the committee and submitted to the School of Public Health Office of Admissions and Student Services by the major professor. Committee members also sign the final copies of the dissertation.
11. Three copies of the dissertation must be bound for institutional use. These are distributed to the major professor, the department chair, and the reference section of the Gibson D. Lewis Health Science Center Library. Two additional copies are required. The fourth copy remains unbound in the library archives. The fifth copy remains unbound in the School of Public Health.
12. The student must submit an Intent to Graduate form to the School of Public Health Office of Admissions and Student Services at the beginning of the semester of planned graduation (see academic calendar). The student must be registered for credit hours in the semester he/she graduates.

Curriculum

Prerequisite Courses: 21 SCH*

EPID 5100	Principles of Epidemiology	3 SCH
SCBS 5110	Behavioral and Social Aspects of Public Health	3 SCH
HMAP 5130	Principles of Public Health	3 SCH
HMAP 5200	Health Administration	3 SCH
BIOS 5210	Biostatistics for Public Health I	3 SCH
BIOS 5215	Biostatistics for Public Health II	3 SCH
ENVR 5300	Environmental Health	3 SCH

Applicants should consult with the department to which they are applying to determine if additional prerequisite courses are required.

Students in the Dr.P.H. program are required to complete a minimum of 58 semester credit hours (SCH) beyond the master's degree to obtain the Dr.P.H. degree. The Dr.P.H. curriculum consists of three components. These include: (1) the core doctoral curriculum that provides the knowledge, skills and experience necessary for competence in public health leadership positions; (2) the concentration curriculum, which develops expertise in a specialized area of public health; and (3) a culminating experience, in which the student must apply knowledge and skills developed in the program to the conduct of research or an applied project.

Core Curriculum Requirements: 19 SCH*

HMAP 5250	Public Health Leadership	3 SCH
HMAP 5450	Public Health Program Planning & Evaluation	3 SCH
BIOS 5730	Regression Analysis**	3 SCH
HMAP 6140	Ethical Issues in Public Health	2 SCH
SPH 6150	Current Topics***	1(4) SCH
SPH 6850	Public Health Practice Residency****	4 SCH

Selective Courses: 3 SCH

HMAP 5245	Health Economics (Required for HMAP)	3 SCH
HMAP 5240	Health Politics and Policy	3 SCH
HMAP 6200	Organizational Management	3 SCH

* A student may petition to waive a core course or prerequisite course requirement based on comparable course work or experience. Such a petition must be approved by the student's advisor and concentration director.

** BIOS 5730 Regression Analysis is a prerequisite course for students in the biostatistics concentration; therefore, this core curriculum requirement is waived.

*** Students enroll in 1 SCH per semester for 4 semesters in varying topics. Repeated topics will not be credited towards degree requirements.

**** Health management and policy and biostatistics students must complete a practice residency related to their area of concentration.

Dr.P.H. Core Curriculum Learning Objectives

After the completion of the Dr.P.H. core curriculum, the student will be able to:

1. Identify and promote the relationships between public health and social agencies whose actions affect the health of people.
2. Analyze issues and problems in public health using critical evaluation, applied research methodology, and statistical methods.
3. Participate in effecting change in public health policies and practices through the study of how programs are implemented in institutions and society, and to those subjects that support decision-making in public health such as organizational behavior and theory, financial management, strategy, information systems, and ethics.
4. Plan and evaluate public health programs.
5. Develop a vision and philosophy for professional leadership in public health.
6. Acquire the skills to mobilize resources and the organizational and community capacity necessary to address public health challenges to achieve the national health objectives.
7. Participate in the decision making process where professional leadership in public health is conducted.
8. Analyze quantitative research data in public health using regression techniques.
9. Communicate findings of the analysis and solution of a problem of public health importance in professional journals.

Concentration Curriculum

The concentration curriculum includes a second practice residency (4 SCH)* and required and elective courses as specified in the following sections.

*Not required for the biostatistics or health management and policy concentration

Culminating Experience Requirement: 9 SCH

SPH 6950	Dissertation	9 SCH

The dissertation is an individual research project conducted under the supervision of a faculty committee. The dissertation is written in traditional academic style and orally defended.

Biostatistics Concentration

Karan Singh, Ph.D., Department Chair
Department of Biostatistics
UNT Health Science Center School of Public Health
Educational and Administration Building
817-735-0490
ksingh@hsc.unt.edu

This concentration was designed for health professionals that would like to become leaders in public health, especially in biostatistics and other related areas. The department of biostatistics coordinates this concentration. Graduates will be able to develop their careers in academia, public health institutions, or health-care facilities. The graduate of this concentration will understand public health policies and practices, will identify key elements of quantitative nature for decision-making, and will be able to plan and evaluate health systems and public health programs by using biostatistical methodology. The student will also have the opportunity to learn about community health measurements, design and management of health data systems. This concentration provides the expertise and experience to plan, develop, and evaluate public health programs. Students will also gain biostatistical knowledge and skills to be able to plan and conduct applied biostatistical research as independent researchers or as members of research teams in public health and other biomedical sciences that use experimental and observational techniques. A doctoral dissertation is required providing the opportunity to apply the knowledge gain during coursework and other academic activities. The dissertation is expected to analyze and propose solutions to a problem with implications for public health practice, often by translating and applying new theoretical and technical advances to current problems in public health. The graduate of this program can undertake professional, managerial or leadership positions in governmental or private institutions such as public health departments, academic settings such as schools of public health, epidemiologic research institutions, hospitals and other medical facilities, and pharmaceutical companies.

Biostatistics Concentration Curriculum

Additional Prerequisite Courses in Statistics: 12 SCH

*BIOS 5700	Mathematical Statistics I	3 SCH
*BIOS 5730	Regression Analysis	3 SCH
*BIOS 5735	Analysis of Variance and Covariance	3 SCH
*BIOS 5740	Introduction to Statistical Packages	3 SCH

* Students must complete these course requirements prior to advancement to doctoral candidacy status. Consult with advisor during degree plan development.

Required Courses: 24 SCH

BIOS 5720	Survey Sampling	3 SCH
BIOS 5725	Non-parametric Statistics	3 SCH
BIOS 5760	Data Management	3 SCH
BIOS 5770	Clinical Trials	3 SCH
BIOS 6710	Outcome Measurement in Health Care Settings	3 SCH
BIOS 6770	Survival Analysis	3 SCH
BIOS 6765	Multivariate Analysis of Variance	3 SCH
BIOS 6780	Statistical Consulting	3 SCH

Elective Courses: 9 SCH

BIOS 5710	Mathematical Statistics II	3 SCH
BIOS 5745	Biostatistics in Epidemiology	3 SCH
BIOS 5750	Operations Research	3 SCH
BIOS 6790	Seminar in Biostatistics	3 SCH
BIOS 6910	Doctoral Independent Study in Biostatistics	1-3 SCH
EPID 5610	Chronic Disease Epidemiology	3 SCH
EPID 5630	Infectious Disease Epidemiology	3 SCH
EPID 6625	Tropical Diseases Epidemiology	3 SCH
HMAP 6210	Health Services Research	3 SCH

Disease Prevention and Control Concentration

Gregg Wilkinson, Ph.D., Department Chair
Department of Epidemiology
UNT Health Science Center School of Public Health
Educational and Administration Building
817-735-0465
gwilkins@hsc.unt.edu

This concentration was designed for health professionals that would like to become leaders in public health, specifically in epidemiology and other related areas. The department of epidemiology coordinates this concentration. Graduates will be able to develop their careers in academia, public health institutions, or health-care facilities. They will understand public health policies and practices, identify key elements for decision-making, and be able to plan and evaluate health systems and public health programs by using epidemiologic methodology. This concentration provides the expertise and experience to plan, develop, and evaluate epidemiologic surveillance systems. Students will also gain epidemiologic knowledge and skills to be able to plan and conduct applied epidemiologic research as independent researchers or as members of research teams. A doctoral dissertation is required providing the opportunity to apply the knowledge gained during coursework and other academic activities. The dissertation is expected to analyze and propose solutions to a problem with implications for public health practice, often by translating and applying new theoretical and technical advances to current problems in public health. Graduates of this program will be able to undertake professional, managerial or leadership positions in public health departments, academic settings, such as schools of public health, epidemiologic research institutions, and hospitals or other medical facilities.

Disease Prevention and Control Concentration Curriculum

Required Courses: 16 SCH

EPID 5620	Theory & Practice of Epidemiology II	3 SCH
EPID 6630	Quantitative Epidemiologic Methods	3 SCH
BIOS 5745	Biostatistics in Epidemiology	3 SCH
EPID 6615	Epidemiologic Surveillance	3 SCH
EPID 6855	Prevention and Control Practice Residency	4 SCH

Elective Courses: 12 SCH

BIOS 5720	Survey Sampling	3 SCH
BIOS 5725	Nonparametric Statistical Methods	3 SCH
BIOS 5740	Introduction to Statistical Packages	3 SCH
BIOS 6770	Survival Analysis	3 SCH
EPID 5610	Chronic Disease Epidemiology	3 SCH
EPID 5630	Infectious Disease Epidemiology	3 SCH
EPID 5640	Epidemiology of Outbreaks/Investigations	3 SCH
EPID 5660	Epidemiology of Diseases of Public Health Importance	3 SCH
EPID 5670	Epidemiology of HIV/AIDS	3 SCH
EPID 5680	Epidemiology of Sexually Transmitted Diseases (STD)	3 SCH
EPID 5690	Epidemiology of Bioterrorism /Catastrophic Events	3 SCH
EPID 6610	Cardiovascular Disease Epidemiology	3 SCH
EPID 6620	Survey Methodology	3 SCH
EPID 6625	Tropical Diseases Epidemiology	3 SCH
EPID 6640	Environmental Epidemiology	3 SCH
EPID 6650	Epidemiology Seminar	1 SCH
EPID 6655	Epidemiology of Injury	3 SCH
EPID 6660	Reproductive & Perinatal Epidemiology	3 SCH
EPID 6670	Cancer Epidemiology	3 SCH
EPID 6680	Nutritional Epidemiology	3 SCH
EPID 6690	Occupational Epidemiology	3 SCH
EPID 6910	Doctoral Independent Study in Epidemiology	3 SCH
SCBS 5220	Ethnicity, Culture and Health	3 SCH
SCBS 6170	Qualitative Research Methods	3 SCH

With approval of the advisor, students may substitute an elective course not on this list

Disease Prevention and Control Concentration Learning Objectives

After completion of the concentration curriculum in disease prevention and control, the student will be able to:

1. Conduct epidemiological evaluations for public health programs.
2. Assist in the planning, development and evaluation of health systems and programs using epidemiologic methodology.
3. Plan, develop and evaluate epidemiologic surveillance systems.
4. Analyze and solve a public health issue by applying epidemiologic methodology.
5. Communicate findings of the analysis and solution of a problem of public health importance in professional journals.
6. Plan and conduct independent research focusing on the analysis and solution of a problem in public health practice.

Health Management and Policy Concentration

Peter Hilsenrath, Ph.D., Department Chair
Department of Health Management and Policy
UNT Health Science Center School of Public Health
Education and Administration Building
817-735-2166
philsenr@hsc.unt.edu

This concentration is designed for health professionals who want to become leaders in health management and policy in the public and private, for-profit and not-for-profit, health sectors. The Department of Health Management and Policy coordinates this concentration. The graduate of this program will understand and apply skills relevant to health policy development and analysis, management practices, and health services research. Two research papers and a dissertation will provide the opportunity to apply the knowledge and skills gained during coursework and a residency. The dissertation is expected to analyze and propose solutions to health management or policy problems by applying new theoretical or analytic advances to current problems in health care. Graduates will be able to start or develop their careers in state or federal government health programs, academia, or health care provider organizations.

Health Management and Policy Concentration Curriculum

Required Courses: 18 SCH

HMAP 5240	Health Politics and Policy	3 SCH
HMAP 5245	Health Economics	3 SCH
HMAP 5430	Health and Public Health Law	3 SCH
HMAP 6200	Organizational Management	3 SCH
HMAP 6210	Health Services Research	3 SCH
HMAP 6215	Health Insurance and Managed Care	3 SCH

Elective Courses: 12 SCH

HMAP 5255	Finance for Health Management	3 SCH
HMAP 5260	Health Information Systems	3 SCH
HMAP 6220	Advanced Health Economics	3 SCH
HMAP 6225	Quality Management in Long-Term Care	3 SCH
HMAP 6230	Public Health and Long-Term Care Policy	3 SCH
HMAP 6910	Doctoral Independent Study in Health Man. & Policy	3 SCH
SCBS 5220	Ethnicity, Culture and Health	3 SCH
SCBS 6170	Qualitative Research Methods	3 SCH

Health Management and Policy Concentration Learning Objectives

After completion of the concentration curriculum in health management and policy, the student will be able to:

1. Conduct management and policy analysis of health issues using advanced quantitative and qualitative techniques.
2. Synthesize knowledge of the political and legal system and affect changes to health policies and programs within it.
3. Plan and evaluate health programs in the public and private sectors.
4. Apply ethical frameworks to the conduct of health care research, practice, policy-making and management.
5. Conduct research focusing on the analysis and solution of management and policy issues in public health practice.

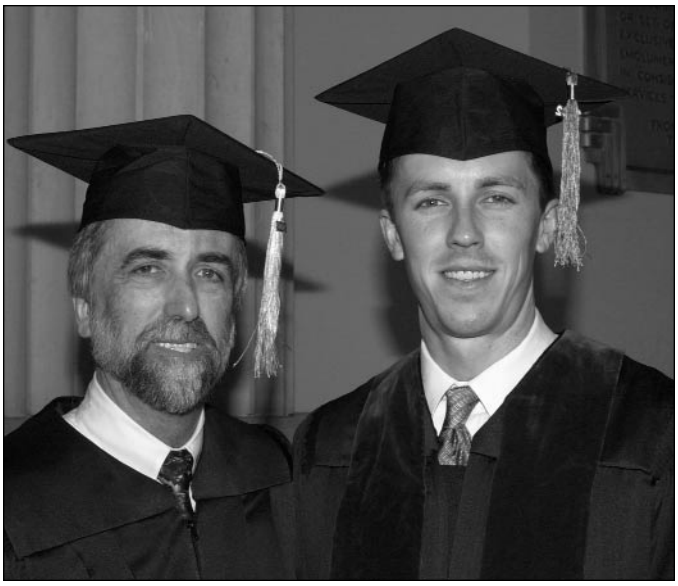
Social and Behavioral Sciences Concentration

Hector Balcazar, Ph.D., Department Chair
UNT Health Science Center School of Public Health
Education and Administration Building
817-735-2371
hbalcaza@hsc.unt.edu

The concentration in social and behavioral sciences in public health is designed for social and health professionals that want to prepare themselves in research, teaching, and other leadership positions involving the design, development and evaluation of public health programs, as well as application of social and behavioral sciences to the development of intervention strategies for health promotion and disease prevention. The first part of the coursework training is focused on the core knowledge of public health, development of leadership skills, and the study of ethical and economic issues in public health. The concentration courses include quantitative and qualitative research methods as applied to social and behavioral sciences in public health. The program also relies on theoretical perspectives in sociology and psychology. Students may also further develop their training in medical anthropology, health education, community health, social marketing and health communication by taking further elective coursework and research. Two research papers and a dissertation will provide the opportunity to apply the knowledge and skills gained during coursework and a residency practice. Graduates will be able to develop their careers in state or federal government health programs, academia, or health care provider organizations.

4 Dual Degree Programs

The University of North Texas Health Science Center School of Public Health offers dual degree programs with the Texas College of Osteopathic Medicine (TCOM) and the University of North Texas. Because each degree program requires the student to follow a separate curriculum in two schools or institutions, each school or institution has administrative authority over its respective degree program. Each institution grants admissions independently; therefore, the applicant must complete the application process for each academic program.



Application Procedures

An applicant seeking entrance to the D.O./M.P.H. program must first apply to the Texas Medical & Dental Schools Application Service (TMDSAS). Once the application is received from the service, a supplemental application is mailed from the TCOM Office of Medical Admissions. The applicant should indicate the dual degree program in which he/she is interested on the supplemental application.

An applicant seeking entrance into a dual degree program must apply to each program separately. Eligible students already enrolled at the University of North Texas or the University of North Texas Health Science Center may apply for admission in the dual M.P. H. degree directly to the School of Public Health.

Application and admission requirements for the M.P.H. program are addressed in previous chapters. All applications to the M.P.H. dual degree programs are reviewed by the appropriate School of Public Health Departmental Admissions Committee. Applicants are notified in writing of the admission decision.

Applicants to the dual degree programs should apply early in the School of Public Health application season.

Doctor of Osteopathic Medicine/ Master of Public Health (D.O./M.P.H.)

Muriel Marshall, D.O., Dr.P.H., Program Director
UNT Health Science Center School of Public Health
Educational and Administration Building
817-735-5479
mmarshal@hsc.unt.edu

The primary goal of the D.O./M.P.H. program is to provide clinical professionals specialized public health training to develop, integrate, and apply culturally competent social, psychological, and biomedical approaches to the promotion and preservation of health.

There are two options in the dual D.O./M.P.H. program. The first option is to extend the time period for completion of the public health and medical degrees to five years by registering for the majority of the public health courses between year 2 and year 3 of the medical school curriculum.

Another option is to complete the M.P.H. degree requirements during the four years of medical education at the Texas College of Osteopathic Medicine (TCOM). In order to receive the M.P.H. degree at the time of medical school graduation, one would need to enter the M.P.H. program and take courses (at least 9-12 semester credit hours) during the summer prior to matriculation into medical school and enroll in one School of Public Health evening course during each semester of year 1 and year 2 of medical school. Contact the School of Public Health for more information on the M.P.H. curriculum.

4-Year D.O./M.P.H. Sample Degree Plan

Summer Prior to TCOM Matriculation

ENVR 5300	Environmental Health	3 SCH
BIOS 5210	Biostatistics for Public Health I	3 SCH
HMAP 5200	Health Administration	3 SCH
SCBS 5110	Behavioral and Social Aspects of Public Health	3 SCH

Fall Semester, TCOM Year 1

EPID 5100	Principles of Epidemiology	3 SCH

Spring Semester, TCOM Year 1

SCBS 5420	Texas-Mexico Border Health Issues	3 SCH
	MPH Elective*	3 SCH

Summer Semester
(Between TCOM Year 1 and Year 2)

SPH 5850	Practice Experience in Public Health	3 SCH
	Quantitative/Analytical course*	3 SCH

Fall Semester, TCOM Year 2

	MPH Elective*	3 SCH

Spring Semester, TCOM Year 2

	MPH Elective**	3 SCH

Fall Semester, TCOM Year 3

SPH 5950	Thesis	3 SCH

Spring Semester, TCOM Year 3

SPH 5950	Thesis	3 SCH
	Transfer Credit from TCOM Curriculum	9 SCH equivalent
	Basic Tools: Prevention and Information Science	
	Integrated Clinical Experience (ICE): Prevention	

* As approved by advisor and program director

** May opt to substitute Clinical Clerkship in Public Health and Preventive Medicine for an M.P.H. elective with approval of advisor and program director (3 SCH).

5-Year D.O./M.P.H. Sample Degree Plan

Fall Semester

(Between TCOM Year 2 and TCOM Year 3)

EPID 5100	Principles of Epidemiology	3 SCH
HMAP 5200	Health Administration	3 SCH
B`IOS 5210	Biostatistics for Public Health I	3 SCH
ENVR 5300	Environmental Health	3 SCH
	MPH Elective*	3 SCH

SPH Spring Semester

(Between TCOM Year 2 and TCOM Year 3)

SCBS 5110	Behavioral and Social Aspects of Public Health	3 SCH
SCBS 5420	Texas-Mexico Border Health Issues	3 SCH
SPH 5850	Practice Experience in Public Health	3 SCH
	Quantitative/Analytical course*	3 SCH
	MPH Elective**	3 SCH

Fall Semester, TCOM Year 3

SPH 5950	Thesis	3 SCH

Spring Semester, TCOM Year 3

SPH 5950	Thesis	3 SCH

	Transfer Credit from TCOM Curriculum	9 SCH equivalent
	Basic Tools: Prevention and Information Science	
	Integrated Clinical Experience (ICE): Prevention	

* As approved by advisor and program director

** May opt to substitute Clinical Clerkship in Public Health and Preventive Medicine for an M.P.H. elective with approval of advisor and program director (3 SCH).

NOTE: Students may start the 5-Year dual DO/MPH program the summer before medical school and take public health courses concurrently as desired.

Public Health and Sociology

Erma Lawson, Ph.D., Program Director
University of North Texas
Chilton Hall, Room 273L
940-565-2054

The School of Public Health and the Department of Sociology at University of North Texas have developed a cooperative agreement that allows students to pursue the master of public health and a graduate degree in sociology. Students pursuing a graduate degree in sociology, at either the master's or doctoral level, may count their approved concentration courses in health services research as a part of their major and minor areas in sociology. Students wishing to pursue this option should consult with the program director as early as possible in their degree program.

Master of Public Health/ Master of Arts-Master of Science in Sociology (M.P.H./M.A.-M.S. in Sociology)

Core Curriculum: 18 SCH

EPID 5100	Principles of Epidemiology	3 SCH
SCBS 5110	Behavioral and Social Aspects of Public Health	3 SCH
HMAP 5130	Principles of Public Health	3 SCH
HMAP 5200	Health Administration	3 SCH
BIOS 5210	Biostatistics for Public Health 1	3 SCH
ENVR 5300	Environmental Health	3 SCH

Practicum Requirements: 3 SCH

*SOCI 5900	Special Problem: practice Experience in Public Health	3 SCH

Required Courses: 9 SCH

*AGER 5250	Introduction to Health Services Research	3 SCH
*AGER 5770	Program Evaluation in Aging Services	3 SCH
or		
HMAP 5450	Public Health Program Planning Evaluation	3 SCH
BIOS 5215	Biostatistics for Public Health II	3 SCH

Elective Courses: 9 SCH

*AGER 5400	Health Care Delivery Systems	3 SCH
*ANTH 5030	Medical Anthropology	3 SCH
*ECON 5180	The Economics of Health Care	3 SCH
*GEOG 5960	Medical Geography	3 SCH
*SOCI 5400	Seminar on the Sociology of Health	3 SCH
SCBS 5410	Community Assessment	3 SCH

M.P.H. Culminating Experience Requirement: 6 SCH

SPH 5950	Thesis	6 SCH
or		
SPH 5900	Professional Report	3 SCH
SPH 5800	Capstone	3 SCH

With approval of program director, may substitute *SOCI 5200 and *SOCI 5210 for BIOS 5210 and BIOS 5215, respectively.

* Course offered at UNT, Denton

Additional M.A.-M.S. Course Requirements:

3 SCH-*SOCI 5200; 3 SCH-Theory; 6 SCH- Electives

M.P.H./Doctor of Philosophy (Ph.D.) in Sociology

M.P.H. Core Curriculum: 18 SCH

EPID 5100	Principles of Epidemiology	3 SCH
SCBS 5110	Behavioral and Social Aspects of Public Health	3 SCH
HMAP 5130	Principles of Public Health	3 SCH
HMAP 5200	Health Administration	3 SCH
BIOS 5210	Biostatistics for Public Health I	3 SCH
ENVR 5300	Environmental Health	3 SCH

Practicum Requirements: 3 SCH

*SOCI 5900	Special Problem: Practice Experience in Public Health	3 SCH

Required Courses: 9 SCH

*AGER 5250	Introduction to Health Services Research	3 SCH
*AGER 5770	Program Evaluation in Aging Services	3 SCH
or		
HMAP 5450	Public Health Program Planning Evaluation	3 SCH
BIOS 5215	Biostatistics for Public Health II	3 SCH

Elective Courses: 9 SCH

*AGER 5400	Health Care Delivery Systems	3 SCH
*ANTH 5030	Medical Anthropology	3 SCH
*ECON 5180	The Economics of Health Care	3 SCH
*GEOG 5960	Medical Geography	3 SCH
*SOCI 5400	Seminar on the Sociology of Health	3 SCH
SCBS 5410	Community Assessment	3 SCH

M.P.H. Culminating Experience Requirement: 6 SCH

SPH 5950	Thesis	6 SCH
or		
SPH 5900	Professional Report	3 SCH
SPH 5800	Capstone	3 SCH

* Course offered at UNT, Denton.
With approval of program director, a student may substitute * SCOI 5200 and *SOCI 5210 for BIOS 5210 and BIOS 5215, respectively.

Additional Ph.D. Course Requirements:

6 SCH-Major
6 SCH- Statistics/Research Methods
12 SCH- Theory
9 SCH- Tools
12 SCH- Dissertation

Public Health and Health Psychology/ Behavioral Medicine

Joseph Doster, Ph.D., Program Director
University of North Texas
Terrill Hall, Room 351
940-565-2671

Students may pursue a course of study by which they concurrently earn the Ph.D. in the field of Health Psychology/Behavioral Medicine and the M.P.H. with a specialty in health behavior. The program is normally six years in duration and includes a one-year, full-time clinical internship at a hospital or medical center. Internship placements are available on an international level, are competitive, and are by the invitation of the host institution. This dual degree program prepares students for licensure as clinical health professionals, including organizational, investigative, consultative, and community applications. The combined degrees will be particularly helpful for individuals preferring dual roles in providing behavioral medicine services as well as administration and program development in the health care industry.

M.P.H./Doctor of Philosophy (Ph.D.) in Health Psychology/Behavioral Medicine

M.P.H. Core Curriculum: 18 SCH

EPID 5100	Principles of Epidemiology	3 SCH
SCBS 5110	Behavioral and Social Aspects of Public Health	3 SCH
HMAP 5130	Principles of Public Health	3 SCH
HMAP 5200	Health Administration	3 SCH
BIOS 5210	Biostatistics for Public Health 1	3 SCH
ENVR 5300	Environmental Health	3 SCH

Practicum Requirement: 3 SCH

*PSYC 5050	Seminar in Psychology: Program Evaluation/ Consultation in Special Settings	3 SCH

Required Courses: 17 SCH

*BEHV 6400	Behavioral Intervention in Health and Medicine	3 SCH
*PSYC 5030	Advanced Research Design	4 SCH
*PSYC 5040	Psychological Aspects of Health	3 SCH
*PSYC 5070	Medical and Behavioral Disorders	4 SCH
*PSYC 6110	Professional Issues in Behavioral Medicine	3 SCH

Elective Courses: 3 SCH

*PSYC 5780	Advanced Psychopathology	3 SCH
*PSYC 6570	Psychological Diagnostics and Intervention for Psychosomatic Disorders	3 SCH

M.P.H. Culminating Experience Requirement: 6 SCH

SPH 5950	Thesis	6 SCH

Additional Ph.D. Course Requirements
General Core Courses: 12 SCH

*PSYC 5060	History and Systems	3 SCH
*PSYC 5090	Social Psychology	3 SCH
*PSYC 5640	Theories of Learning	3 SCH
*PSYC 5790	Advanced Physiological Psychology	3 SCH

Core Courses: 49 SCH

*PSYC 5420	Psychological Assessment I	4 SCH
*PSYC 5620	Psychological Assessment II	4 SCH
*PSYC 6610	Research Seminar and Practicum	4 SCH
*PSYC 6650	Psychoneuroimmunology	3 SCH
*PSYC 6720	Psycho-physiological Processes	4 SCH
*PSYC 6770	Biofeedback Methods and Behavioral Medicine	4 SCH
*PSYC 6810	Multivariate Procedures in Psychology	3 SCH
*PSYC 6820	Advanced Practicum	3 SCH
*PSYC 6830	Advanced Practicum	3 SCH
*PSYC 6840	Internship	3 SCH
*PSYC 6850	Internship	3 SCH
*PSYC 6950	Dissertation	12 SCH

*Course offered at UNT, Denton.
With approval of program director, a student may substitute *PSYC 5700 for BIOS 5210.

Public Health and Anthropology

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The School of Public Health and the Department of Anthropology at the University of North Texas have developed a cooperative agreement that allows students to pursue the master of public health and a graduate degree in anthropology. Students pursuing a master's degree in anthropology may count their approved concentration in public health as a part of their major and minor areas in anthropology. Students wishing to pursue this option should consult with the program director as early as possible in their degree program.

Master of Public Health/ Master of Arts in Anthropology (M.A. in Applied Anthropology)

M.P.H. Core Curriculum: 18 SCH

EPID 5100	Principles of Epidemiology	3 SCH
SCBS 5110	Behavioral and Social Aspects of Public Health	3 SCH
HMAP 5130	Principles of Public Health	3 SCH
HMAP 5200	Health Administration	3 SCH
BIOS 5210	Biostatistics for Public Health 1	3 SCH
ENVR 5300	Environmental Health	3 SCH

Practicum Requirement: 3 SCH

*ANTH 5820	Applying Anthropology: Practicum II	

Required Courses: 9 SCH

*AGER 5250	Introduction to Health Services Research	3 SCH
*AGER 5770	Program Evaluation in Aging Research	3 SCH
or		
HMAP 5450	Public Health Program Planning and Evaluation	3 SCH
BIOS 5215	Biostatistics for Public Health II	3 SCH

Elective Courses: 9 SCH

*AGER 5400	Health Care Delivery Systems	3 SCH
*ANTH 5030	Medical Anthropology	3 SCH
*ECON 5180	The Economics of Health Care	3 SCH
*GEOG 5960	Medical Geography	3 SCH
*SOCI 5400	Seminar on the Sociology of Health	3 SCH
SCBS 5410	Community Assessment	3 SCH

M.P.H. Culminating Experience Requirement: 6 SCH

SPH 5950	Thesis	6 SCH
or		
SPH 5800	Capstone	3 SCH
SPH 5900	Professional Report	3 SCH

* Courses offered at UNT, Denton

Additional M.A. Course Requirements:

3 SCH-*ANTH 5010; 3 SCH-*ANTH 5015; 3 SCH-*ANTH 5020; 3 SCH- ANTH 5040; 3 SCH- ANTH 5060; 3 SCH- * ANTH 5800.

5 Policies: Academic & Institutional

Academic policies can be changed at any time by the School of Public Health. Students should review the Student Handbook for additional policies and procedures concerning their roles as students.

Enrollment of Continuing Students

A continuing student is defined as a student who enrolls in one of three consecutive semesters. Example: enrolls Summer 2002, no enrollment Fall 2002 or Spring 2003; re-enrolls Summer 2003. Continuing students do not need to reapply to the School of Public Health to enroll if they meet all of the following conditions:

1. The student has not received a degree from the health science center since last enrollment.
2. The student does not have any current blocks on his or her record, i.e., GRE or academic.
3. The student has not attended any other academic institution during his/her absence from the health science center.

Students who do not meet these requirements must give a written explanation of the facts surrounding the situation to the School of Public Health Office of Admissions and Student Services for consideration. Students who are unsure that they meet all of the above conditions for re-enrollment should contact the School of Public Health Office of Admissions and Student Services before the registration period.

Readmission of Former Students

Students who previously have been admitted to the School of Public Health but have not enrolled during the last three consecutive semesters (i.e., Fall, Spring, Summer) must follow these re-admission procedures:

1. File an admission application by the deadline for admission as established in the Academic Calendar.
2. Submit transcripts from all colleges attended (if any) since leaving the health science center, showing eligibility to re-enroll at each institution.

Former students who have not enrolled elsewhere since leaving the health science center and are in good academic standing are required only to submit an admission application.

All completed applications are reviewed by the admissions committee, which makes a recommendation to the dean. The dean makes the final decision regarding admission status.

Non-Degree and Conditional Admission of Students

Admission to the School of Public Health as a non-degree seeking or conditional degree seeking student may be granted subject to the following provisions.

1. The applicant must meet all of the general admission requirements described in Chapter 2 and must meet all application deadlines.
2. The student in this status is required to receive credit in all courses taken, and must maintain a grade of B in each course attempted.
3. A student who is admitted to non-degree status has no assurance that work completed under this status will be applicable toward degree requirements should he or she subsequently be admitted to a degree program at the health science center. A maximum of 12 semester hours earned prior to full admission in a degree program may be counted toward the degree requirements. Exceptions to this policy can be requested by the department chair upon recommendation of the student's advisor.
4. A student who is admitted to conditional degree status can be assured that all courses completed with a minimum grade of B while in this status will be counted toward their degree requirements should he or she subsequently be admitted to a degree program for which these courses are applicable. A maximum of 12 semester hours earned prior to full admission

in a degree program may be counted toward the degree requirements. Exceptions to this policy can be requested by the department chair upon recommendation of the student's advisor.

5. A non-degree or conditional degree student who wishes to obtain full admission to a degree program must fulfill all general admissions requirements and submit a written petition to the School of Public Health Office of Admissions and Student Services. Their admission file will then be forwarded to the appropriate department for re-evaluation.
6. A non-degree or conditional degree seeking student may take a maximum of 12 semester credit hours prior to obtaining full admission to a degree program.

Use of Transfer Credit

A student who holds a bachelor's degree may apply up to 12 SCH of graduate work completed elsewhere toward a master of public health degree. A maximum of 12 SCH of graduate work beyond a master's degree may be accepted and credited toward a doctor of public health degree. All transfer credits are subject to the approval of the department chair. Only those courses with a grade of B or higher from an accredited institution will be transferred. These courses must have been completed within six years of the date of first acceptance for the M.P.H. and seven years for the Dr.P.H.

It is the student's responsibility to make sure that official transcripts of courses completed elsewhere are furnished to the School of Public Health Office of Admissions and Student Services.

Change of Department /Concentration Area

Students who wish to change departments or their area of concentration must write a letter to the chair of the department to which they wish to move stating the reason for the request. Copies of the letter must be forwarded to the chair of the department the student wishes to leave and the School of Public Health Office of Admissions and Student Services.

The student's entire application/academic file will be reviewed and an admissions recommendation will be made by the faculty and department chair to the dean for consideration. The school will then notify the student as to the outcome of their request.

Absence for Religious Holidays

In accordance with state law students absent due to the observance of a religious holiday may take examinations or complete assignments scheduled for the day missed within a reasonable time after the absence if the student has notified the instructor of each class of the date of the absence within the first 15 days of the semester.

Religious Holy Day Request Forms may be obtained from the Office of the Registrar. Instructor(s) may require a letter of verification of the observed holy day(s) from the religious institution.

Only holidays of holy days observed by a religion for which the place of worship is exempt from property taxation under Section 11.20 of the Tax Code may be included. A student who is excused under this provision may not be penalized for the absence, but the instructor may respond appropriately if the student fails to satisfactorily complete the assignment or examination.

Academic Misconduct

Cheating and plagiarism are types of academic misconduct for which penalties are described and assessed under the health science center's Code of Student Conduct and Discipline.

The term "cheating" includes, but is not limited to: (1) use of any unauthorized assistance in taking quizzes, tests or examinations; (2) dependence upon the aid of sources specifically prohibited by the instructor in writing papers, preparing reports, solving problems or carrying out other assignments; and (3) the acquisition, without permission, of tests or other academic material belonging to a faculty or staff member of the health science center.

The term "plagiarism" includes, but is not limited to, the use, by paraphrase or direct quotation, of the published or unpublished work of another person without full and clear acknowledgement. Plagiarism also includes the unacknowledged use of materials prepared by another person or agency engaged in the selling of term papers or other academic materials.

Specific penalties can be assigned by a faculty member for certain cases of academic misconduct (including cheating and plagiarism). These penalties include: giving a failing grade for the test or assignment; reducing or changing the grade for the test, assignment, or course; requiring additional academic work not required of other students; and assigning a failing grade in the course. Other specific penalties can be recommended by a faculty member to the appropriate administrative/academic authority, including denial of the degree, expulsion from the health science center or revocation of a degree already granted.

All students are responsible for making themselves aware of the definitions and implications of academic misconduct. For further information on academic misconduct, penalties and appeal procedures, the student should refer to the Student Handbook available through the Office of Student Affairs.

Appeal Processes

Specific policies and procedures have been established for students seeking to appeal a grade in a course or seeking an extension of time to complete a degree.

The grade appeal policy and procedures are listed below:

Appeals concerning admission to the school should be addressed to the chair of the appropriate department's admission committee.

Advice concerning how to pursue appeals on any other matter

can be sought from the School of Public Health Office of Admissions and Student Services.

The policy and procedures for requesting an extension of time to complete a degree are available through the School of Public Health Office of Admissions and Student Services. A petition for an extension of time must be made by the department chair and approved by the dean.

Grade Appeal Policy and Procedures

1. Any student who believes that a grade has been inequitably awarded should first contact the instructor who awarded the grade in order to discuss the issue and attempt to resolve the differences. Any instructor no longer associated with the health science center at the time of the appeal will be represented in these proceedings by the department chair over the concentration in question. The student who is unable to resolve the differences with the instructor has 30 days following the first class day of the succeeding semester to file a written appeal with the appropriate department chair. If the instructor is the department chair, the appeal should be submitted to dean who will act as a substitute for the department chair in the following action.
2. The department chair may follow any of the four procedures below, or a combination of them.
   - The department chair may confer with the instructor.
   - The department chair may request that the instructor submit a written reply to the student's complaint.
   - The department chair may conduct a meeting of the two parties.
   - The department chair may refer the case directly to the dean, as outlined below. In following any of the first three procedures noted above, the department chair should make a judgment on the merits of the case and determine a specific action in regard to the disputed grade. Either the student or the instructor may appeal the decision of the department chair to the dean who will in turn establish an ad hoc committee to review the case. This appeal must be submitted in writing within two working days of the notice of decision from the department chair.
3. The ad hoc committee shall be constituted as follows and shall perform the following duties.
   - The ad hoc committee will consist of three School of Public Health faculty members. One faculty member will be selected by the student and the other by the instructor. If either party to the dispute declines to choose a member of the committee, the dean will select that member. The third faculty member of the committee, who will serve as chair, will be chosen by

agreement of the student and the instructor. If they cannot agree upon a third member the, member will be chosen by the dean.

- This ad hoc committee should require written statements from each participant in the dispute. Judgments may be rendered upon the basis of these statements, upon other evidence submitted in support of the statements and upon the bases if oral hearing, if such a hearing seems necessary.
- The committee must make a recommendation for disposition of the case within 30 days of its appointment.
- All records in the case will be filed with the School of Public Health Office of Admissions and Student Services.

4. If the appeal is based solely upon alleged violations of established procedures, either party to the dispute has 5 working days following the rendering of the ad hoc committee's decision to appeal that decision to the dean. Substantive matters, up to and including the refusal of the instructor to act in accordance with the ad hoc committee's recommendation or the student's refusal to accept the decision, may not be appealed to the dean.
5. The dean, after a review of the submitted written materials (and oral hearings if desired), will make (within 15 days) a ruling about procedural questions.

Application for the Completion of the Degree

It is the responsibility of the student to keep track of their progress toward the degree and to file an Intent to Graduate form in the School of Public Health Office of Admissions and Student Services. Consult the Academic Calendar for the appropriate dates. The applicant's grade point average on all work attempted must be at least 3.0 to be considered for candidacy.

Because of the time required to receive transcripts, students otherwise eligible for graduation who complete their last course or courses elsewhere will not graduate at the end of the semester or summer session in which the work is completed, but will receive their degrees at the close of a subsequent semester. This delay is needed to receive and evaluate transcripts.

Information concerning graduation fees is furnished on request from the School of Public Health and is contained in chapter 6 of this document. Students anticipating graduation should consult the Academic Calendar for important dates regarding payment of fees and other graduation requirements.

Auditing

With the written permission of the instructor, an individual fully eligible to enroll in the School of Public Health may sit in a class as an auditor without receiving credit. The auditor's name will not be entered on the class roll, and the instructor will not accept any papers, tests or examinations.

Attendance as an auditor may not be used as the basis of a claim for credit in the course. Students who are enrolled for credit may audit classes without payment of additional fees; others may be subject to pay an auditor's fee ($152).

A person 65 years of age or older may enroll as an auditor and observer without credit and without payment of an audit fee if space is available and if approved by the instructor. Such enrollment entitles the person to library privileges, but not the use of laboratory equipment, supplies, or health/hospital benefits.

Class Attendance

Regular and punctual class attendance is expected. Although in general students are graded on intellectual effort and performance rather than attendance, absences may lower the student's grade where class participation is deemed essential by the faculty member. In those classes where participation is considered as part of the grade, the instructor should give written notice of the requirement at the beginning of the semester. An instructor may request the registrar to drop a student from a course for lack of participation.

If the instructor-initiated drop action falls within the time that the student is eligible to drop with instructor consent, a W will be assigned. If the drop falls after this period, a W or WF will be assigned as appropriate.

Concentrations and similar academic units have authority to establish a concentration-wide or course-wide policy, so long as the policy is in accord with the above stipulations.

Commencement Exercises

The UNT Health Science Center commencement exercises are held the third Saturday in May each year. Diplomas may be obtained from the Registrar's Office at the conclusion of any semester in which all graduation requirements have been met and verified.

Concurrent Enrollment at Another Institution

Students must secure written permission from the advisor and department chair before registering for any course or courses at another institution while registered for any courses at the health science center. Failure to secure the required permission for concurrent enrollment prior to registration at the second institution may cause the health science center to refuse degree credit for the work taken elsewhere.

Adding Courses

Students may add courses on-line. If they have difficulties doing so, students should contact the School of Public Health Office of Admissions and Student Services. All requests must be made in writing. Consult the Academic Calendar for dates during which adds are allowed.

Dropping Courses

Students who wish to drop a course may do so on-line or in the School of Public Health Office of Admissions and Student Services during the first week of classes. After the first week, students who wish to drop a course must obtain a form from the Registrar's Office and must first receive the written consent of their instructor and advisor. The instructor or advisor may withhold consent for students to drop for any reason providing the instructor has informed students in writing at the beginning of the semester.

The grade of W is recorded for any course dropped with the instructor's consent before the end of the sixth week of classes (summer term, eight class sessions). After that time the student must have a passing grade in order for the instructor to assign a grade of W for a dropped course; otherwise, the grade WF is recorded.

Instructors may drop students with grades of WF from courses for non-participation at any time after the sixth week of classes (summer term, sixth class sessions). See "Class Attendance" above.

Drop procedures must be completed by 5 p.m. on the deadline dates specified in the Academic Calendar. After these dates a student may not drop a course for any reason.

Course Offerings

Individual courses are subject to change or withdrawal at any time and may not be offered each semester of every year. Any course may be withdrawn from current offerings if the number of registrants is too small to justify conducting the course.

Enrollment Certification

Enrollment verification and loan deferments are completed in the Registrar's Office based upon the student's having registered and paid tuition and fees according to the criteria listed under "full-time enrollment" below.

International students may also request the International Student and Scholar Office (ISSO, Kendall Hall, Room 103, University of North Texas, Denton, TX) to issue letters of enrollment for the use of foreign governments, embassies, scholarship agencies and banks. See the School of Public Health Office of Admissions and Student Services for details.

Full-time Enrollment

A student must enroll for 9 semester hours for each long semester to be considered full-time. Enrollment in a total of six semester hours is considered full-time for the summer.

A student who has completed all but the dissertation, thesis or professional report requirements for the degree will be considered full-time if enrolled in three semester credit hours.

Students are responsible for meeting enrollment requirements for federal or state financial aid purposes.

Grading System

The School of Public Health uses the letters **A, B, C, D, F, P, NP, I, PR, W, WF** and **Z** in the grading system.

A Excellent work; four grade points for each semester hour. (90-100)

B Good work; three grade points for each semester hour. (80-89)

C Poor work; two grade points for each semester hour. (70-79) Courses in which a grade of C or lower is scored may not be counted toward a degree.

D Unacceptable work; one grade point for each semester hour. (60-69)

F Failure; given when a student: 1) has failed the course while still officially enrolled at the end of the semester; 2) is failing in a course and misses the final examination without satisfactory explanation; or 3) stops attending class without completing an official drop or withdrawal. (59 and below)

P Passed; a credit grade on pass/no pass option in selected individual problems and research courses.

NP Not passed; a failing grade on the pass/no pass option.

I Incomplete; a nonpunitive grade given only during the last one-fourth of a semester and only if a student is: 1) passing the course; 2) has a justifiable reason why the work cannot be completed on schedule; and 3) arranges with the instructor to finish the course at a later date by completing specific requirements which the instructor must list on the grade sheet. For information on removal of I, see "Removal of I" below.

PR Assigned at the close of each semester in which the student is enrolled in dissertation, thesis, or professional report hours. No credit hours are shown when the grade of PR is assigned. When the work has been completed and submitted to the Dean, appropriate grades and credit hours will be shown on the students' record for the required number of credits.

W Drop or withdrawal without penalty. Given when a student drops a course or withdraws from the school according to the dates in the Academic Calendar. See regulations for dropping and withdrawing.

WF Drop or withdrawal with failing grade. May be assigned if a drop or withdrawal is not completed by the dates listed in the Academic Calendar. See regulations for dropping and withdrawing.

Z Used to indicate that a grade was not properly received and/or recorded for a course.

Courses assigned **C, D, F, I, NP, PR, W, WF,** or **Z** are not counted toward the degree but are presented on transcripts as courses attempted.

A complete record of all previously used grades and grading systems is detailed on the official transcript.

Grade Point Average

The overall grade point average (GPA) is used to determine academic standing and eligibility for graduation. All GPA calculations are subject to post-audit and correction by the Registrar's Office.

The number of semester hours attempted for calculation of the GPA includes all courses with grades of A, B, C, D, F, and WF unless replaced by a later grade. Courses with grades of I, NP, P, PR, W, or Z are not counted as courses attempted for the purpose of calculating a GPA.

Quality of Work Required

Students must obtain a letter grade of A, B, or P on each course listed on their degree plan to receive credit toward graduation.

Students must make satisfactory progress toward completion of degree requirements by obtaining the minimum required grade (A, B, or P) in all courses attempted. A student who does not obtain the required minimum grade (A, B, or P) in multiple courses or the same course on multiple occasions will be deemed as making unsatisfactory progress toward a degree. Additionally, students who withdraw from multiple courses, the same course on multiple occasions, or carry multiple incompletes may be deemed as making unsatisfactory progress toward a degree. Students whose progress is unsatisfactory may be suspended or removed from the program by the dean on recommendation of the department chair.

Probation and Suspension

A student who fails to obtain the required passing grade (A, B or P) on any course carrying credit will initially be subject to academic probation. If the student does not obtain passing grades on all courses within the next two consecutive semesters after being placed on probation, the student may be subject to suspension for a period of up to one calendar year before becoming eligible to reapply or be removed from the School of Public Health permanently. Work completed elsewhere during a period of suspension at the health science center may not be counted for credit at the health science center.

Students must repeat and obtain a passing grade for each core or required course in which a passing grade is not obtained before credit will be given toward graduation. For elective credits, students may opt to take another course in place of the original failed course. However, the failed course will still be included in the overall GPA calculation. Courses in which low grades were obtained at the health science center may not be repeated at other institutions and transferred for credit toward a degree at the health science center.

Course Duplications

A student may enroll for a course a second time and have it counted as part of the semester's load. If a course is repeated, the last grade recorded will be considered in calculating the GPA and in certifying the student's eligibility for graduation.

The responsibility for initiating the official recording of a grade duplication lies entirely with the student. In the absence of such a request, the registrar will include a repeated course in the student's cumulative record of hours attempted and grade points earned.

Grade Changes

No grade except "I" may be removed from a student's record once properly recorded. Changes are not permitted after grades have been filed except to correct clerical errors.

Requests for error correction must be initiated immediately after the close of the semester for which the grade was recorded.

A faculty member who believes that an error has been made in calculating or recording a grade may submit in person a request for a grade change to the department chair and the dean. The registrar accepts requests for grade changes only from the dean.

Grade Reports

Grade reports for each student are available online. They include a statement of current academic status. If the grade report or the academic status is believed to be in error, the student should contact the Registrar's Office within 30 days.

At midsemester in the long sessions, instructors may provide individual written warnings to students whose coursework is unsatisfactory. These warnings are mailed from the Registrar's Office upon request of the instructor.

Pass/No Pass Grading

The School of Public Health may elect to assign pass/no pass grades in graduate-level courses in which the student is engaged in individual research and is not attending organized class. The student should inquire at the time of registration for such courses whether a letter grade or a pass/no pass grade will be granted. Pass/no pass grades are not taken into account in computing the student's grade point average.

Removal of I

A student must remove a grade of "I" within 60 days of the first day of the subsequent semester. An "I" is removed by completing the stipulated work, obtaining signatures of the instructor and the dean (on a permit form available from the School of Public Health Office of Admissions and Student Services), paying the $5 fee and returning the permit form to the instructor. The instructor then files the permit form in the School of Public Health Office of Admissions and Student

Services, along with the grade, and the grade point average is adjusted accordingly. If a student does not complete the stipulated work within the time specified, the instructor will change the grade of "I" to a grade of F or other grade as deemed appropriate by the faculty member. If a grade of A or B is not assigned, the student will be required to register for and repeat the course for it to count toward the degree plan. The GPA is adjusted accordingly.

A student who could not complete final examinations because of illness may remove a grade of "I" without payment of the fee. The director of admissions and student services is authorized to waive the fee upon certification of illness signed by the attending physician.

Open Records Policy

Pursuant to the provisions and intent of Article 6252-17a, Texas Civil Statutes, known as the Open Records Act, and the Family Educational Rights and Privacy Act of 1974 as amended, known as the Buckley Amendment, the school has established a policy relating to the accessibility of information in the custody of the University of North Texas Health Science Center.

Student records that include general information concerning the student and the student's individual relationship to the educational institution are available on request to health science center personnel who have an educational interest in the records, the student, and the student's parent or legal guardian if the student is a dependent for income tax purposes of the parent or legal guardian.

For information regarding the health science center's policy on access to records and to request accessibility to center records, contact the designated Custodian of Public Records, Office of the Vice President and General Counsel, UNT Health Science Center.

Student Conduct

The health science center's primary concern is the student. It attempts to provide for all students an environment that is conducive to academic endeavor, social growth and individual self-discipline. Enrollment at the health science center is considered implicit acceptance of the rules, regulations, and guidelines governing student behavior promulgated by the institution, and the student is responsible for this information. In addition, all students are expected to familiarize themselves with the requirements of and obey all federal, state, and local laws. Any student who violates a provision of those laws is subject to disciplinary action, including expulsion, notwithstanding any action taken by civil authorities on account of the violation. The health science center reaffirms to each student the privilege of exercising the student's rights of citizenship under the Constitution of the United States. Special care is taken to assure due process and to identify the defined routes of appeal when students feel their rights have been violated. For complete policy information, consult the Student Code of Conduct in the Student Handbook.

Student Load

Special restrictions apply to the load permitted to teaching assistants. The total load of course enrollment and teaching assignment may not exceed 18 semester hours in any long semester and 9 in the summer semester. Approval of the advisor and department chair is required for loads in excess of this amount.

Summons

In the event a student's conduct of behavior is found to be in violation of a published policy or regulation, a summons may be issued. A summons is an official request that the student appear before a health science center administrator. It is always important and must have the student's immediate attention. Failure to answer a summons can result in immediate disciplinary action, including suspension.

Withdrawal from the Health Science Center

A student may withdraw from the health science center at any time. To receive a W, the student must complete the withdrawal prior to the deadline specified in the Academic Calendar by making a request in the Registrar's Office. A student who withdraws by the appropriate deadline will receive a grade of W for each course in which they were enrolled. After the deadline, a withdrawn student receives a grade of W only for those courses in which there were passing grades at the time of withdrawal; otherwise the grade WF is recorded.

Official dates and deadlines for withdrawing are specified in the Academic Calendar.

Policies for Dual Degree Students

The University of North Texas Health Science Center offers several dual degree programs with other institutions. Because each degree program requires the student to follow a separate curriculum in two schools, each school will have administrative authority over its specific degree program. A student's enrollment status in the School of Public Health may be dependent upon continued enrollment in the specified dual degree program.

Residency Requirement

Every candidate for the Doctor of Public Health degree must complete the appropriate residency requirement at the School of Public Health. The minimum residency requirement consists of two long semesters (Spring, Fall) in the school of Public Health, during which a minimum of 9 SCH must be taken per semester.

Time Limitations

All requirements for the Master of Public Health degree must be completed within six years. All requirements for the Doctor of Public Health degree must be completed within seven years.

Time limits are strictly enforced. Students exceeding the time limit may be required to repeat out-of-date credits, and/or show other evidence of being up to date in their major field of study. Students anticipating that they will exceed the time limit should apply for an extension before the normal time period to complete the degree expires. Holding a full-time job is not considered in itself sufficient grounds for granting an extension.

Time spent in active service in the U.S. armed forces will not be used in computing the time limit. However, career members of the armed forces should consult the School of Public Health Office of Admissions and Student Services concerning the credit given to work completed before or during active military service.

Degree Plan

A degree plan listing all courses must be completed by the student, approved by the student's advisor and department chair, and submitted to the School of Public Health Office of Admissions and Student Services before the completion of the first semester of enrollment. All subsequent requests for degree plan changes must be submitted in writing by the student to their advisor and department chair for approval. All changes must be submitted to the School of Public Health Office of Admissions and Student Services. A degree plan must follow the guidelines stated in the catalog for the Academic Year in which it is filed.

Institutional Policies

Respect for Diversity

The Nondiscrimination/Equal Employment Opportunity and Affirmative Action Policy affirms the requirement for every member of the UNT Health Science Center community to comply with existing federal and state equal opportunity laws and regulations.

The UNT Health Science Center is committed to the philosophy of a multicultural environment. The institution prohibits harassment based on race, gender, disability, age, national origin, religion, veteran status or lifestyle.

The health science center has long been an open, tolerant and democratic institution, proud of its commitment to personal and academic excellence but unpretentious in the atmosphere of its campus in its willingness to accept all members of the health science center community on their value as human beings.

The increasing diversity of the UNT Health Science Center community is one of the institution's greatest strengths. Differences of race, religion, age, gender, culture, physical ability, language, nationality and lifestyle make it a microcosm of the nation as a whole, reflecting the values of our pluralistic society.

As an educational institution, the UNT Health Science Center is committed to advancing the ideas of human worth and dignity by teaching respect for human beliefs and values and encouraging open discussions. Hatred or prejudice and harassment of any kind are inconsistent with the center's educational purpose.

The UNT Health Science Center is strongly committed to the ethical principle that every member of the community enjoys certain human constitutional rights, including the right to free speech. As a community of scholars, the health science center also is dedicated to maintaining a learning environment that is nurturing, fosters respect, and encourages growth among cultures and individuals represented here. Individuals who work, study, live and teach within this community are expected to refrain from behaviors that threaten the freedom and respect every individual deserves.

Sexual Harassment

A primary objective of the UNT Health Science Center is to provide an environment in which faculty, staff and students may pursue their careers and studies with a maximum of productivity and enjoyment.

Harassment of students on the basis of gender is a violation of Section 106.31 of Title IX of the Education Amendments of 1972. Harassment of health science center employees on the basis of gender is a violation of Section 703 of Title VII of the Civil Rights Act of 1964 and the Texas Commission on Human Rights Act. Sexual advances, requests for sexual favors and other verbal or physical conduct of a sexual nature constitutes sexual harassment.

It is the policy of the health science center to maintain a workplace and a learning environment free of sexual harassment and intimidation. Behavior or conduct that interferes with this goal is not condoned or tolerated.

Americans with Disabilities Act

The UNT Health Science Center does not discriminate on the basis of an individual's disability and complies with Section 504 and Public Law 101-336 (Americans with Disabilities Act) in its admissions, accessibility, treatment and employment of individuals in its programs and activities.

The UNT Health Science Center provides academic adjustments and auxiliary aids to individuals with disabilities, as defined under the law, who are otherwise qualified to meet the institution's academic and employment requirements. For assistance contact the Equal Employment Opportunity Office at the health science center.

Health Insurance

Proof of insurance must be presented prior to enrollment to the University of North Texas Health Science Center. Insurance policies must remain in effect the entire year to assure uninterrupted benefits through the student health service. Students may obtain insurance from a carrier of their choice or purchase the student health insurance plan available to health science center students.

Students without proof of insurance coverage by the time of registration will be required to enroll in the student health insurance plan available to students. Payment for this service must be made prior to registration.

One of the following will be accepted as proof of insurance coverage: a photocopy of the policy naming the student as an insured, a letter from the insurance carrier stating the student is insured, or a photocopy of the current insurance card.

Applications and insurance information for the student health plan may be obtained from student affairs or by calling 817-735-2505.

Physical Examinations

Medical history and physical examinations are required of all medical and physician assistant students. The Health Science Center Medical History, Physical Examination, and Immunization forms will be mailed to you.

You may have the physical exam done by your physician or at the health science center's student health clinic. Please note: the UNT Health Science Center Physical Examination Form must be completed by the physician administering the physical exam. This form will be sent to you. To schedule an appointment at the Student Health Clinic, call 817-735-2228, identify yourself as an entering student and ask for an appointment in student health. The clinic is located on the second floor of the Patient Care Center (see map).

Immunizations

All entering students are required by state law and/or the UNT Health Science Center to have documented immunity or immunization to the following diseases prior to registration.

Students will be responsible for the cost of all immunizations. Tuberculosis skin testing will be done at no charge. The following are vaccinations that are required for attendance at the health science center. Completion of vaccination or *written* proof of vaccination or immunity *must* be provided at the time of each enrollment.

- MMR (measles, mumps and rubella) 2 doses. Must complete the series or provide *written* proof of vaccination or immunity (titers that indicate immunity of *all three*).
- Hepatitis B series – 3 doses (initial, 1 month, and 6 months). Must complete series of provide *written* proof of immunity (hepatitis B antibody titer >10). It is important to keep these vaccinations within the past 10 years.
- Td (adult tetanus/diphtheria). *Written* proof of vaccination within the past 10 years.
- Varicella – 2 doses (initial and 4-8 weeks) unless given before the age of twelve. Must complete series or provide *written* proof of vaccinations or provide *written* proof of immunity (varicella titer). History of disease is not sufficient evidence of immunity.
- PPD (skin test for pulmonary tuberculosis). TB skin testing will be done upon admission as well as annually for *all* students. If you have had a positive PPD or have been treated in the past for a positive PPD or active TB disease, provide *written* proof of PPD test results, chest x-ray and treatment (if any) received. BCG vaccine does *not* eliminate the need for skin testing. There is no charge for PPD testing. Follow-up for positive skin tests will be directed by Student/Employee Health and will be the financial responsibility of the student.

- Other vaccinations that are not required for admission may also be obtained at Student/Employee Health Services. Recommended but not required are the hepatitis A vaccine (2 doses), influenza (offered annually at no cost), pneumococcal, and meningitis (students living in dorms).

All required immunizations may be received at cost in the Student Health Clinic. Please call for an appointment, 817-735-2228.

To ensure a smooth registration process, students are strongly encouraged to complete arrangements for health insurance and immunizations as soon as possible, returning completed documentation to the health science center by the first semester of enrollment. Students without proof of insurance, physical examination and proof of immunizations will not be allowed to register for classes. There are no exceptions.

Student Travel Policy

It is the policy of the university to promote safety and to encourage students to engage in safe conduct when traveling to and from university activities or events. Accordingly, in addition to encouraging students to use good judgment, the university has adopted this policy and authorized the university Office of Facility Management to approve rules designed to encourage safe behavior on the part of students presently enrolled at the university.

This policy applies to all students enrolled in the university who travel to an activity or event that is organized and sponsored by the university when:

a. the activity or event is located more than 25 miles from the campus from which travel originates; and

b. the travel is:

(1) required by a student organization properly registered at the university; or

(2) funded by and requires use of a vehicle owned or leased by the university.

For purposes of this policy, an activity or event is organized and sponsored by the university when it has been planned, funded and properly approved by the appropriate university official.

Students traveling to and from university organized and sponsored activities or events may be required to use various modes of travel and travel under different conditions. Each form of travel requires the student to follow common and mode-specific safety precautions. In addition to following federal and state laws that encourage safe travel, using sound judgment, and following this policy, students traveling to and from events covered under this policy must follow the safe travel rules approved by the university Office of Facility Management. At a minimum, these rules must include provisions concerning:

a. Use of Seat Belts and Other Safety Devices. Seat belts and other safety devices must be used at all times. Students are encouraged to act responsibly and to use sound judgment when traveling.

b. Passenger Capacity. Travel in vans with a capacity to hold 15 passengers must be approved by the university Office of Facility Management. Passenger capacity in 15-passenger vans is strictly restricted to no more that ten (10) individuals, including the driver.

c. Required Qualifications and Training. All students who operate vehicles owned or leased by the university must be over eighteen (18) years of age, posses a valid driver's license, have current automobile liability insurance, and have a good motor vehicle driver history. Additionally, these students must satisfy other qualifications and training requirements established by the university Office of Facility Management.

d. Fatigue and Time of Travel. Students traveling to and from activities or events covered under this policy should obtain a minimum of six (6) hours sleep before traveling and drive no more than five hundred (500) miles in a twenty-four (24) hour period. Students may not drive between the hours of 10:00 p.m. and 6:00 a.m. unless authorized by the organization advisor or department head.

e. Privately Owned Vehicles. Students who use a privately owned vehicle or any vehicle other than those owned or leased by the university when traveling to and from events and activities covered under this policy must follow the safe travel rules approved by the Office of Facility Management and applicable state law.

f. Air and Other Modes of Commercial Transportation. Students traveling by air and other modes of commercial transportation must comply with all federal laws regulating the specific mode of travel and the rules of the specific commercial carrier, including laws and rules regarding carry-on baggage and baggage weight restrictions.

g. International Travel. Students must comply with university policies and procedures for scheduling for credit international clinical and educational experiences. Students traveling to locations outside the United States are responsible for satisfying all international travel requirements, including obtaining a valid passport, obtaining health and other insurance, establishing safe points of contact in the host country and following travel advisories issued by the United States Department of State, the host country or other recognized international organizations. Students can find information about international travel at the university Study Abroad Center.

h. Alcohol, Illegal Drugs and Weapons Prohibited. All students traveling to and from events or activities covered under this policy are prohibited from consuming or possessing alcohol or illegal drugs and transporting weapons in vehicles owned or leased by the university.

i. Travel Authorization. Registered student organizations that

6 Fiscal & Financial Aid Policies

Tuition and Mandatory Fees

The amounts shown in this catalog are subject to change without notice by action of the Texas Legislature or the University of North Texas Board of Regents. For current information on tuition and fees, inquire in the School of Public Health Student Affairs Office. The UNT Board of Regents has been granted the authority, within established guidelines, to set School of Public Health tuition rates by program.

Tuition is $68 per credit hour for in-state residents and $262 per credit hour for out-of-state students.

The UNT Health Science Center is a state-supported institution subject to state laws. Extension of credit is prohibited and all financial obligations to the health science center must be paid when due. Any outstanding obligation must be cleared prior to registration in the next subsequent semester.

Explanation of Fees

Admission Application Fee: All applicants new to the University of North Texas Health Science Center must pay a non-refundable admission application fee. A standard application fee of $25 is charged to all U.S. citizens. Non-U.S. citizens and permanent residents must pay a $75 fee, which includes the application fee and a foreign transcript evaluation fee.

Tuition Adjustment Fees: Tuition Adjustment fees are collected in proportion to the number of semester credit hours for which a student registers. These fees are used for the occupancy, services, use and/or availability of all or any health science center property, buildings, structures, activities, operations or other facilities.

Student Service Fees: Student service fees are assessed in proportion to the number of semester credit hours for which a student registers to cover the cost of student services that directly involve or benefit students, including but not limited to, recreational activities, lecture series and student government.

Computer Fee: The fixed computer fee is collected to defray the costs associated with the availability and use of Learning Resource Center computer laboratories and instruction-related activities in the Learning Resource Center.

Medical Services Fee: The fixed medical services fee is used solely to provide medical services to students registered at the health science center.

ID Card Fee: A $5 fixed ID card fee is collected from each student during the first semester of enrollment to cover the costs associated with issuing student identification cards.

A replacement fee is charged for misplaced or damaged cards.

Course Fees: Course fees (including applicable lab fees) are charged to cover consumable supplies, syllabi, tests, salaries and wages of employees who assist in the instructional process such as graders or lab assistants, and some equipment purchases related directly to student participation in the classroom or lab. Course fees can, in some instances, save students money by bulk purchasing of goods and services.

Some course fees can be substantially higher than others, especially when fees are passed on to third parties. These fees are subject to change as costs increase. Course fees will be due at the time of registration or the payment deadline for early registered students.

Audit Fee: $152 (Senior citizens and full-time employees of UNT, UNT Health Science Center, their spouses and dependents audit free. Students auditing in a semester during which they are enrolled audit free.)

Late Registration Fee: A flat fee of $25 will be charged to students registering at any time during the designated late registration period.

White Coat Fee: A $30 fixed coat fee is collected from each new student during the first semester of enrollment to cover the costs associated with the white coat ceremony.

Publication Fee: A fixed fee is collected from each student during the semester of enrollment to cover the cost associated with instructional publications.

Transcript Evaluation Fee: A $50 fee is charged to any student who submits transcripts from a non-US institution for which evaluation is required for admission.

International Student Service Fee: $20 per semester collected from each international student to cover costs associated with services provided by the International Studies Office.

Graduation Fees

Master's Degree (Capstone/Professional Report)

Filing Fee $20
Graduation Fee $100

Master's Degree (Thesis)

Filing Fee $20
Graduation Fee $100
Binding Fee $60
Microfilming Fee $25
Copyright Fee (optional) $45

Doctorate Degree

Filing Fee $20
Graduation Fee $100
Binding Fee $60
Microfilming Fee $25
Copyright Fee (optional) $45

Binding of additional copies of theses and dissertations is available at a charge of $20 per copy.

Degree candidates who are planning to attend the commencement exercise must acquire the appropriate regalia from the Office of the Registrar.

Parking Fees

Student permits $60/year

Replacement permits will be issued at a charge of $5 if the original is lost, stolen or destroyed.

Other Fees

Exam for Credit or Placement $25
Removal of Incomplete Grade $5
Non-Citizen English Evaluation Fee $50
Delinquent Payment Fee $15
Schedule Change Fee $5

2002-2003 Course Fees

All courses offered include a $15 course fee unless otherwise noted below.

SCBS 5420 . . . . . $50
ENVR 5420 . . . . . $50

2002-2003 Tuition and Mandatory Fees

Texas Residents

Hours	Tuition	Designated Tuition	Student Service	Activity Center	Computer Fee	Medical Fee	Publication Fee	Total
1	120	6	8	25	42	50	4	$255
2	140	12	16	25	42	50	4	$289
3	210	18	24	25	42	50	4	$373
4	280	24	32	25	42	50	4	$457
5	350	30	40	25	42	50	4	$541
6	420	36	48	25	42	50	4	$625
7	490	42	56	25	42	50	4	$709
8	560	48	64	25	42	50	4	$793
9	630	54	72	25	42	50	4	$877
10	700	60	80	25	42	50	4	$961
11	770	60	88	25	42	50	4	$1039
12	840	60	96	25	42	50	4	$1117
13	910	60	96	25	42	50	4	$1187
14	980	60	96	25	42	50	4	$1257
15	1050	60	96	25	42	50	4	$1327
16	1120	60	96	25	42	50	4	$1397
17	1190	60	96	25	42	50	4	$1467
18	1260	60	96	25	42	50	4	$1537

Out-of-State U.S. Citizens and Foreign Citizens

Hours	Tuition	Designated Tuition	Student Service	Activity Center	Computer Fee	Medical Fee	Publication Fee	Total
1	288	6	8	25	42	50	4	$423
2	576	12	16	25	42	50	4	$725
3	864	18	24	25	42	50	4	$1027
4	1152	24	32	25	42	50	4	$1329
5	1440	30	40	25	42	50	4	$1631
6	1728	36	48	25	42	50	4	$1933
7	2016	42	56	25	42	50	4	$2235
8	2304	48	64	25	42	50	4	$2537
9	2592	54	72	25	42	50	4	$2839
10	2880	60	80	25	42	50	4	$3141
11	3168	60	88	25	42	50	4	$3437
12	3456	60	96	25	42	50	4	$3733
13	3744	60	96	25	42	50	4	$4021
14	4032	60	96	25	42	50	4	$4309
15	4320	60	96	25	42	50	4	$4597
16	4608	60	96	25	42	50	4	$4885
17	4896	60	96	25	42	50	4	$5173
18	5184	60	96	25	42	50	4	$5461

In addition to the mandatory fees listed above, there is a one-time Property Deposit of $10 assessed during the first semester of study, refundable upon request after study is terminated at the health science center. There is also a $5 Identification Card Fee assessed during the first semester of study. Replacement ID cards are $5 each. All fees are subject to change.

Residency Regulations for Tuition Purposes

Rules and regulations for determining residency status are specified under Title III of the Texas Education Code and are available in the Registrar's Office. In general, students must physically reside in Texas for the 12-month period immediately preceding their initial registration in an educational institution in Texas. Other factors may be considered for residency determination for tuition.

Students who are not legal residents of Texas must pay non-resident tuition including the statutory tuition charges and standard health science center fees approved by the Board of Regents. Admission requirements for non-residents are the same as for resident students.

Certain residency exceptions do not affect actual residency status but do allow for a non-resident tuition exemption. Refer to "Tuition and Fee Waivers" section of this chapter for further information.

Responsibility of the Student

The student is responsible for knowing residence status and for registering under the proper status. Any questions concerning residency must be discussed with the School of Public Health Office of Admissions and Student Services before registration.

Any student erroneously classified as a resident will be reclassified and will be required to pay all out-of-state tuition due. Attempts to evade non-resident fees may subject the student to the statute penalty and to possible disciplinary action.

Change of Status: Non-Resident to Resident

A student who is at any time classified as a non-resident retains non-resident status until reclassification as a resident is applied for and is officially approved by the Registrar.

Change of Status: Resident to Non-Resident

Students who are classified as residents but become non-residents by virtue of any change of domicile must notify the registrar of such change immediately. Students who believe they have been erroneously classified have the opportunity for appeal. The appeal is to be made to the authority by whom the original classification was assigned, either in the School of Public Health Office of Admissions and Student Services or in the Registrar's Office.

Tuition and Fee Waivers

Several exemptions and waivers are available to qualifying students. Brief descriptions of these are listed below. Waiver refunds must be requested during the semester application is made. Such requests must be made before the 12th class day in long semesters and the fourth class day in summer terms. Requests for retroactive refunds cannot be honored. Additional information and applications are available in the School of Public Health Office of Admissions and Student Services.

Exemptions and Waivers

1. Certain veterans, dependents, etc., of the U.S. armed forces who are Texas residents are exempted from payment of tuition.
2. Certain orphans of members of the U.S. armed forces, Texas National Guard and Texas Air National Guard are exempted from payment of tuition.
3. Deaf or blind students are exempted from payment of tuition.
4. Children of disabled firemen, peace officers, employees of the Texas Department of Corrections and game wardens are exempted from payment of tuition.
5. Children of U.S. prisoners of war or persons missing in action are exempted from payment of tuition.
6. Resident rather than non-resident tuition is applied to certain students from other nations of the American hemisphere.
7. Resident rather than non-resident tuition is applied to teachers and professors of Texas state institutions of higher education, their spouses and their children.
8. Resident rather than non-resident tuition is applied to a teaching or research assistant provided the student is employed at least one-half time by the health science center in a position that relates to the degree sought.
9. Resident rather than non-resident tuition is applied to a non-resident holding a health science center competitive academic scholarship of at least $1000 for the academic year for which the student is enrolled.
10. Students who are concurrently enrolled in more than one program at UNT Health Science Center are not charged duplicate fees.
11. Certain health science center fees are waived for students enrolled only in off-campus courses.

Tuition and Fee Refunds

A student who drops a course or withdraws from the school within certain time periods may be entitled to a partial refund of tuition and fees. These refunds are calculated according to the category and time schedule listed below. Application fees, late registration charges, fee for student identification card, delinquent payment fees, and installment handling fees are non-refundable. Any financial obligation to the health science center must be resolved before any refunds will be made.

Class Drop Policy

Refunds are made for any course dropped through the 12th class day for the long semester and through the fourth class day in the summer (see Academic Calendar for dates). The semester's first class day is always the first official day of classes for the School of Public Health rather than the first day of an individual's class.

To calculate the refund for a class dropped, take the fee paid for the original hours and subtract the fee shown in the Tuition and Fee Table for the new number of hours. The difference between the two is the amount of the refund. Note: If all classes for the semester are dropped, see "Schedule of Withdrawal Refunds" in this catalog.

Class Drop Refunds

The UNT Health Science Center shall refund a percentage of tuition and mandatory fees to students dropping a course or multiple courses but, maintaining enrollment in at least one course during the fall or spring according to the following withdrawal schedule:

Before the twelfth day of class 100%
During the third five class days 50%
During the fourth five class days 25%
After the fourth five class days . . . . . None

Withdrawal Policy and Procedure

If a student leaves the health science center through (1) withdrawal, (2) dismissal, or (3) leave of absence, the following procedure should be followed:

Inform the academic dean of the school who will issue the student a Withdrawal/Leave of Absence form and an Official Student Clearance Form. (The academic dean will notify the Office of the Registrar that the student is in the process of withdrawing from the institution).

It is the student's responsibility to obtain clearance in the appropriate areas listed on the clearing form such as the Library, Campus Police, Student Financial Aid, Business Office, etc.

If a student is receiving financial aid or has student financial aid debt (emergency loan), he/she must schedule an Exit Interview with the Student Financial Aid Office to process the proper paperwork for repayment.

See Financial Aid Process for specific information concerning effects or withdrawal on financial aid received.

Students who leave the health science center without notifying the academic dean, and without completing the established withdrawal/leave of absence procedures within 30 days will be terminated.

It is not always possible to complete the clearance process in one day. Until a student is cleared in all areas, a "Hold" will be in force on his/her official transcript.

Withdrawal refunds are determined by the number of enrolled semester credit hours at the time of withdrawal. Withdrawal percentages are applied to the total amount of tuition and fees as prescribed by state law, not the amount paid. The withdrawal schedule and percentages of refund shown below pertain to total withdrawal for the semester. The withdrawal schedule and the percentages of refund are mandated by the Texas Legislature. The semester's first class day is always the first official day of classes rather than the first day the individual attends class. A withdrawal refund is based on the day of withdrawal, regardless of the date the class first meets. See the Academic Calendar in this catalog for the dates classes begin.

Withdrawal Refunds

The UNT Health Science Center shall refund a percentage of tuition and mandatory fees to students withdrawing from the institution during a fall or spring semester according to the following withdrawal schedule:

Before first day of class 100%
During the first five class days 80%
During the second five class days 70%
During the third five class days 50%
During the fourth five class days 5%
After the fourth five class days . . . . . None

Correction of Errors

Students are responsible for any additional amounts due the health science center resulting from auditing and correction of records after registration fees have been paid including all registration assessment errors, change from off-campus to on-campus classes, invalid employment waivers, etc.

Payments by Third Party

Checks issued by a third party in payment of a student's tuition, fees or other charges should be made payable to either the student or to both the student and the health science center. Arrangements may be made with the School of Public Health Office of Admissions and Student Services in cases where cash amounts should not be made available to the student.

Returned Checks

A returned check is defined as any check returned to the health science center unpaid due to no fault of the bank or the university. Upon receipt of a returned check, notification is mailed to the issuing party or the individual in whose behalf the check was issued. The address on the check and/or the address in the official health science center records is used. An additional $5 fee is charged for each returned check.

Financial Aid

The UNT Health Science Center offers programs to assist students in meeting the costs of financing their education. Though financial aid is an alternative for eligible students, it should be considered a supplement to a student's own financial resources. Students must be accepted into an eligible program to be considered for financial aid. Non-degree seeking students are not eligible for financial aid. A student may apply for financial aid by completing the Free Application for Federal Student Aid (FAFSA). This should be done immediately upon acceptance into the health science center and yearly thereafter.

Applying For Financial Aid

1. New applicants should complete a Free Application for Federal Student Aid (FAFSA) electronically via the Internet at www.fafsa.ed.gov. You will need a computer with access to a printer and your previous year's tax information. Be sure to mail the signature page (printed when all data is entered) to the processor immediately. The data will not be processed until the signature page is received. A paper FAFSA can be submitted instead but takes longer to process. For renewing applicants, find your electronic access code (EAC) at www.eac.ed.gov. Then proceed to www.fafsa.ed.gov to complete a renewal FAFSA. A signature page is not required for renewals.
2. Meet the established financial aid priority deadlines for submitting your application forms. Students who submit their applications before a deadline receive priority in processing and funding.
3. Students who file their applications after the priority deadline generally will not have their funds available at the required registration time. Therefore, students who file a late application will be expected to pay their own expenses and wait until their aid dollars arrive to be reimbursed.
4. If you are selected for verification, additional financial aid forms will be required. If the selected data is incorrect, the processing time can increase.
5. Take adequate time to complete the Free Application for Federal Student Aid. Read and answer all questions carefully and accurately. The additional time you spend in completing the application will enhance and ensure a successful application process.
6. Schedule an appointment with a financial aid counselor to discuss eligibility requirements, verification problems, budgeting of resources, or loan applications. Call (817) 735-2520 or (800) 346-8266 to schedule an appointment.

The Financial Aid Office is located in the Student Affairs Suite on the second floor of Education and Administration Building.

Federal Programs

Students who complete the FAFSA, show financial need as determined by the needs-analysis service and meet all general eligibility requirements as out-lined for each program may apply for federal financial aid. In addition, most aid programs require that the recipient adhere to academic and/or financial criteria in order to maintain eligibility Some programs have limited funds; therefore, student files that are completed first are considered first.

- Federal and State Programs
- Federal Work Study
- Federal Perkins Loans
- Federal Family Education Loan Program
- Texas Public Education Grant

In addition, students may apply through the health science center's Office of Financial Aid for assistance to private programs. Students may also apply directly to private foundations for scholarships and loans. Most programs have individual selection criteria and various award limits.

Contact the Office of Financial Aid, Education and Administration at 817-735-2520 or 800-346-8266 for more information.

Immigration Documents & Budget

When you apply for a new visa document, you will need to demonstrate that you have sufficient financial support. This will be the case if:

- You are asking for an I-20 upon admission
- You are asking for an extension of your stay.
- There is a change in your funding.
- You are asking for documents for the first time for your immediate family members.
- The documents in your file are more than 12 months old.

If this is the case for you, please provide the documentation for the amount listed below.

Individual Student:	$22,829.00
Spouse:	$5,070.00
Child:	$3,120.00

Expenses & Financial Aid Allowances

These estimated expenses are for a 12-month period.

	Texas Resident	Non-Texas Resident
Books and Supplies	$550	$550
Health Insurance	$1,200	$1,200
Institutional Fees	$699	$699
Personal Expenses	$2,460	$2,460
Room and Board	$8,880	$8,880
Transportation	$2,182	$2,182
Tuition	$1,656	$6,858
Total	$17,627	$22.829

Total In-State Tuition and fees
to complete the M.P.H. is estimated at $4,500.00
Total In-State Tuition and fees
to complete the Dr.P.H. is estimated at $5,800.00
Total Out-of-State Tuition and fees
to complete the M.P.H. is estimated at $15,700.00
Total Out-of-State Tuition and fees
to complete the Dr.P.H. is estimated at $20,200.00

Day Care Allowance

For adjustments to cost of education, an allowance for day care will be added to the basic cost of education only if the dependent care is documented by the student.

Documentation of dependent care should be in the form of a letter from the dependent care provider. The letter should provide the following information: name of dependent(s) and age(s), cost of dependent care, and name of the student as the person paying for the care.

The standard allowance will be $90 per week for one dependent and $75 for each additional dependent.

At-Home Dependent Care Allowance

At-Home Dependent Care is for students with non-working spouses who stay at home to care for their children. To receive this allowance, the student must demonstrate that a financial hardship would be incurred if the student's spouse was currently employed and had to pay for childcare. The standard allowance will be $300 per month regardless of the number of children in the household. However, this total allowance when added to the household income shown on the FAFSA cannot exceed the income protection allowance as determined by the Department of Education.

Contact the Office of Financial Aid for more information.

7 Student Life

Division of Student Affairs

The Division of Student Affairs is a full institutional partner in promoting student learning. It supports co-curricular and extra-curricular programming, activities and services to facilitate students' academic training, professional growth and personal development.

Through its administrative offices and the offices of Academic Support, Financial Aid, the Registrar and Student Development, the following goals are defined in support of the health science center's educational mission:

- Manage student enrollment, such that recruitment, retention and career development strategies result in graduates who portray those qualities important in the successful initiation of a professional career.
- Support the institutional culture and climate to effectively promote the professional and personal learning and growth of students.
- Support consistent development, creation and implementation of institutional policies and guidelines to promote student success.
- Promote effective and timely communication that demonstrates a professional, caring, and supportive concern for prospective students, enrolled students and alumni.

The Office of Student Affairs provides general counseling or general information and assistance with all phases of campus life. In emergency situations, such as a death in the family, special assistance can be provided for notification of professors, medical withdrawal, etc. The office provides policy interpretation and rights adjustment upon request, handles disciplinary and social adjustment problems, and provides self-development opportunities and enrichment activities.

The Office of Student Affairs encourages student participation in and contribution to the health science center's programs. This office also serves to establish and coordinate a system of student academic advisement, and to interpret institutional regulations on academic and non-academic matters related to students.

Personal, academic, and career counseling is available to students in the Office of Student Affairs. Counseling referrals for discussion of personal problems for students and their families are available through the Employee Assistance Program (EAP). For more information, contact the Office of Student Affairs.

Campus Police

The UNT Health Science Center Campus Police Department operates 24 hours a day, seven days a week. Campus Police officers are fully licensed peace officers vested with all the powers, privileges and immunities of peace officers in the state of Texas. They are authorized to function as the local law enforcement authority in all counties in which property is owned, leased, rented or otherwise under the control the health science center.

In compliance with The Jeanne Clery Campus Security Policy and Crime Statistics Reporting Act and the 1998 amendments to the Higher Education Act, a Campus Police Crime Log, containing all reportable crimes is maintained and made available to the public. Such crimes are logged and open to public inspection within two business days of report. Exceptions to disclosure of statistics will be made to protect on-going investigations and victims of sensitive crimes. This information may be obtained on the Campus Police website at http://www.hsc.unt.edu/Cleryact.

Academic Support Services

The Office of Academic Support Services provides services to assist with the academic success of all students, and works with faculty to provide direction and support in periods of academic difficulty to plan alternate programs and to assist in reassessment of priorities. Some of the services available include counseling in learning skills, time management, test-taking skills and a peer-tutoring program. For more information, to make an appointment for study skills counseling, or to request tutoring assistance, contact Academic Support Services.

Food Services

Food is available from vending machines in the health science center buildings and the Stairway Café on the first floor of the library.

Health Insurance Program

As noted in the General Academic & Administrative Policies section of this catalog, it is compulsory for all students to carry medical and hospitalization insurance, and proof of insurance must be provided at each registration. Each student is responsible for purchasing health insurance, and for paying premiums as well as all health care costs not covered by the insurance policy.

Health Services

Health care services are available to students and their immediate family members (spouse and dependent children) through Student Health Services, which is located in the health science center's Central Family Practice Clinic in the Patient Care Center on the northwest corner of campus. The student is responsible for all appropriate fees, and proof of insurance must be provided. Referrals to specialty clinics must be approved by Student Health Services or the student's primary care physician.

Honors Day

Each year during Honors Day, the health science center recognizes students who have excelled academically, as well as those who have made outstanding contributions to the institution, the community and profession.

Housing

The health science center does not have on-campus student housing. However, students will find a variety of housing opportunities in the area. Every student is responsible for making his or her own housing arrangement. The Student Development Office provides information on real estate, apartment locators and temporary housing.

ID Cards

Health science center identification cards are issued during registration. These must be worn at all times while the student is on campus.

A replacement for a lost or stolen ID card can be purchased for $5. Please contact Biomedical Communications for procedures and more information. A stolen card should be reported to Campus Police.

The identification card is void upon termination or interruption of enrollment and when not properly encoded.

Fraudulent use of an ID card subjects the user to a fine of $2,000 and up to one year in jail (Class A Misdemeanor). Anyone who uses the ID card to give false information to a police officer is subject to a fine of $2,000 (Class C Misdemeanor).

Liability

The health science center is not responsible for and does not assume any liability for loss of or damage to personal property.

A student may want to provide personal insurance coverage for possessions on campus.

Recreational Facilities

The Founders' Activity Center, located on the north end of campus, is open seven days a week to students, faculty and staff. The center features aerobics classes, regularly scheduled recreational sports, a multipurpose outdoor court and recreational equipment. Cardiovascular exercise equipment is also available, as well as free weights and weight machines. Exercise and nutrition programs can be tailored to the individual by the center's health promotion manager. Contact the health promotion manager for more information.

Student Development Services

The role of the Office of Student Development is to address student life issues that are relative to all students, from pre-enrollment through graduation.

The Office of Student Development coordinates programs and activities that promote the intellectual, professional, moral, social, physical and emotional development of all students. This office coordinates the student activity calendar, assists in student-sponsored events, assists in the registration process, and assists in fiscal management of clubs and classes. The office assists organizations with leadership development and the planning of activities and events. Students are encouraged to participate in organizations and campus-wide events for leadership and personal development. The office also provides students and prospective students with information on housing, childcare and employment opportunities in Fort Worth.

Student Organizations

There are many student organizations on the health science center campus that represent a variety of interests within the health professions community. In cooperation with the Student Development Office, they sponsor programs and activities that promote the intellectual, professional, social, physical and emotional development of all students. These organizations provide students with leadership opportunities at the local, regional and national levels.

The Student Development Office coordinates the student organization calendar and registration process.

The health science center recognizes the right of any group of students, faculty or staff to form a voluntary organization for purposes not forbidden by the laws of the United States and the state of Texas. All campus organizations that include enrolled students as members must be registered with the Office of Student Development and the Division of Student Affairs.

Policies regulating the functioning, sponsorship and privileges of registered or recognized organizations are available in the Office of Student Affairs. For more information on student organizations and activities, contact the Student Development Office.

Association of Student Healthcare Executives (ASHE)

The goals of the Association of Student Healthcare Executives, a student chapter of the American College of Healthcare Executives, include promoting educational development of skills necessary for the effective leadership in healthcare organizations, providing information regarding career alternatives and job opportunities in the field of healthcare management, and developing an association with local and regional healthcare executive groups to enhance academic and career opportunities.

Student Chapter of the Medicine/ Public Health Initiative (MPHI)

The Student Chapter of the Medicine/Public Health Initiative, developed to join the professions of medicine and public health, is the first organization of its kind in the nation. The organization serves as a forum for discussion and interaction between students of both disciplines and welcomes students enrolled in D.O., M.P.H., Ph.D. and dual degree programs to become members. One of the primary goals of the organization is to promote health education and wellness by implementing student-directed preventive medicine programs throughout the community. The organization offers the perspective of tomorrow's medical and public health leaders on matters related to the health needs of the state and the nation and assists in the realization of the goals of the national Medicine/Public Health Initiative, which is jointly sponsored by the American Medical Association and the American Public Health Association. Authorities and leaders in public health and medicine share their experiences and perspectives on important and timely issues at meetings held twice each semester.

Public Health Student Association (PHSA)

The Public Health Student Association (PHSA) is a student government body that serves as a forum for student concerns and activities. The purpose of the PHSA is to facilitate student-student and student-faculty communication and cohesiveness within the School of Public Health. The Student Council of PHSA meets regularly to discuss and plan activities related to public health students. The organization works on issues pertaining to curriculum revision, research opportunities, student participation, financial needs, and alumni fellowship. PHSA activities include the publication of a student newsletter, community functions, social events, professional activities, and school-related fundraisers.

Student Lounge

The Student/Staff Lounge is located in Room 110 on the first floor of the Education and Administration Building (EAD), directly across from Luibel Hall. The lounge houses recreational games, vending machines and a relaxing atmosphere.

Veterans Benefits

The health science center is approved by the Texas Workforce Commission for the training of men and women who have served in the armed forces. Assistance is provided to students who are on active duty or who are veterans. To establish eligibility for assistance, a veteran should contact the Office of the Registrar for the appropriate forms. The completed forms and a copy of Form DD-214 should be forwarded to the Office of the Registrar.

A student must maintain the minimum passing grade for their academic program to remain eligible to receive veteran's benefits. All questions on veterans benefits should be addressed to the Office of the Registrar.

8 Course Descriptions

The following courses are offered through the University of North Texas Health Science Center School of Public Health.

BIOS 5210. Biostatistics for Public Health I.

3 SCH. This course provides students with the basic knowledge and skills to effectively use biostatistics in research design and data analysis and to understand articles in related professional journals. Topics include choosing correct statistical methods and experimental designs in public health research and practice; descriptive statistics; probability and probability distributions; estimation and hypothesis testing; simple linear regression; introduction to analysis of variance and an introduction to the use of statistical software packages.

BIOS 5215. Biostatistics for Public Health II.

3 SCH. The student is introduced to more advanced statistical methods including multiple regression, logistic regression, factorial ANOVA, repeated measure designs, analysis of categorical data, and nonparametric statistics. Prerequisite: BIOS 5210 or equivalent.

BIOS 5700. Mathematical Statistics I.

3 SCH. This course presents fundamental concepts in applied probability and the distributions of random variables important to the understanding of statistical inference. Topics include discrete and continuous distributions; expectation and variance; central limit theorem; moment generating functions; an introduction to the multivariate models; and applications. Prerequisite: A working knowledge of calculus (normally 2-3 semesters.)

BIOS 5710. Mathematical Statistics II.

3 SCH. This course focuses on more advanced statistical theory, including topics on covariance, order statistics, estimation of distribution parameters, hypothesis testing, likelihood functions, and minimal sufficiency. Prerequisite: BIOS 5700.

BIOS 5720. Survey Sampling.

3 SCH. Construction of sampling frames, area sampling, methods of estimation, stratified sampling, systematic sampling, and cluster sampling. Prerequisite: One course in biostatistics.

BIOS 5725. Nonparametric Statistical Methods.

3 SCH. This course covers a wide selection of nonparametric statistical tests as alternatives to parametric tests. The strength and weakness of each test, as well as test efficiency, will be discussed and statistical software will be used throughout the course. Prerequisite: BIOS 5210 and BIOS 5215.

BIOS 5730. Regression Analysis.

3 SCH. This course presents the methods in regression beyond the introductory level, to include multiple and partial correlation and regression, residual analysis, logistic regression, polynomial regression, poisson regression, and selection of predictor variables. Prerequisite: BIOS 5210 and BIOS 5215.

BIOS 5735. Analysis of Variance and Covariance.

3 SCH. This course presents the ANOVA model beyond the introductory level, to include various experimental designs, in-depth treatment of multiple comparison methods, factorial repeated measure ANOVA, analysis of covariance, power analysis, and determination of sample size. Prerequisite: BIOS 5210 and BIOS 5215.

BIOS 5740. Introduction to Statistical Packages.

3 SCH. Develops skills in the use of statistical packages in public health research. Emphasis is on data definition, verification, descriptive examination, and graphical presentation. Statistical packages will include SAS, SPSS, and other well-known software. Prerequisite: BIOS 5210.

BIOS 5745. Biostatistics in Epidemiology.

3 SCH. This course aims to provide a clear and concise description of statistical tools used in analysis of epidemiological data without relying on advanced mathematical and statistical theory. Most of the exercises and examples will be taken directly from the published literature with data sets to introduce students to real-life problems. Topics include measures of risk for prospective and retrospective studies, stratified analysis, matching, multivariate models, and treatment of person-time data. Prerequisite: EPID 5100, BIOS 5210, BIOS 5215.

BIOS 5750. Operations Research.

3 SCH. The course covers methods and applications in optimization in public health policy and service. Topics include linear programming and sensitivity analysis, forecasting models, network analysis, decision analysis and simulation. The use of computing packages in operations research is stressed throughout the course. Prerequisite: BIOS 5210

BIOS 5760. Data Management.

3 SCH. The goal of this course is to provide an overview of data collection and management. The topics include study design, data form design and coding, defining a database and a database system, data collection and entry, quality control, and database management. Also, privacy, confidentiality and security concerns as well as ethical and legal issues will be discussed. Examples of databases may be illustrated by use of Microsoft Access. Prerequisites: BIOS 5210, BIOS 5740 and basic knowledge of Microsoft Excel and Microsoft Access.

BIOS 5770. Clinical Trials.

3 SCH. This course covers the organization, methodology, and reporting results of clinical trials. Topics covered include: phase I, II and III clinical trials, conceptualization, ethical considerations, protocol adherence and compliance, and data collection, as well as statistical techniques such as designs for phase I, II and III clinical trials, randomization, double-blind techniques, sample size determination, and interim analysis.

BIOS 5780. GIS and Spatial Statistics in Health Research.

3 SCH. This course provides an introduction to the application of geographic information systems (GIS) and spatial statistics in public health. More specifically the goals are: (1) to provide students with an understanding of how GIS can be applied in health science and research; (2) to familiarize students with advanced GIS and spatial modeling techniques; (3) to provide students with hands-on experience in working with various GIS data sources through a project related to their own research interest; and (4) to present research results with applied GIS techniques. Prerequisite: BIOS 5210.

BIOS 5910. Independent Study in Biostatistics.

1-3 SCH. For students capable of independently completing topical studies or projects through conferences and activities directed by the instructor. Topical or project work is chosen by the student with the consent of the instructor. May be repeated for credit. Offered each semester.

BIOS 6710. Outcome Measurement in Health Care.

3 SCH. This course provides students with the basic knowledge and skills to effectively design and implement treatment outcome measurement strategies in health care settings. The course will also provide computer instruction to facilitate the effectiveness of treatment outcome measurement. Students will learn about the various settings in which outcome measurement occurs, such as family medicine clinics, pain centers, hospitals, pharmaceutical industries, and psychiatric facilities. Database management, quality control, and analysis of health care data will be demonstrated. Students will develop and analyze a simulated treatment outcome database of their own and present their findings in class. Prerequisites: BIOS 5215.

BIOS 6760. Multivariate Analysis of Variance.

3 SCH. This course covers advanced topics in the general MANOVA model including inference about mean vectors and covariance matrices, canonical correlation, principal components, discriminate analysis, cluster analysis, and grouping techniques. Special emphasis will be on the use of major statistical package such as SAS. A background in matrix algebra is expected. Prerequisite: BIOS 5730, BIOS 5735. BIOS 5740 is recommended.

BIOS 6770. Survival Analysis.

3 SCH. This course will cover basic concepts in survival analysis, discuss common survival models, compare survival distributions, and introduce statistical methods in survival analysis such as hazard and survival functions, censoring, Kaplan-Meier estimates, log rank test, and the generalized Wilcoxin tests. Clinical and epidemiological examples will be used to illustrate the various techniques and procedures. Prerequisite: BIOS 5700, 5730,5735, or consent of instructor.

BIOS 6780. Statistical Consulting.

3 SCH. This course provides students with the basic knowledge and skills to provide statistical consulting to persons and organizations in a wide variety of settings. The course will also provide computer instruction to demonstrate examples of actual consulting cases. Students will learn about the various settings in which statistical consulting occurs, such as medical centers, hospitals, industry and government. Students will learn assessment and problem-solving skills, contracting and billing procedures. This course brings together the skills that students have learned in other core classes, such as BIOS 5210 and 5215: Biostatistics for Public Health I and II, BIOS 5760: Data Management, and BIOS 5740: Introduction to Statistical Packages. Students will complete a project whereby they serve as a statistical consultant and will assess, analyze, write and present findings from data obtained from actual patients in health care settings.

BIOS 6790. Seminar in Biostatistics.

3 SCH. Topics in biostatistics will be chosen for in-depth study according to the interest of faculty and students. Possible topics include meta-analysis, path analysis, robust statistics, missing-value data analysis, disease mapping and risk assessment, analysis of health surveys, the use and analysis of governmental data, analysis of clinical trials, and statistical issues.

BIOS 6910. Doctoral Independent Study in Biostatistics.

1-3 SCH. This academic activity includes research and other scholarly projects carried out by the student under the supervision of a SPH faculty member (instructor). A brief proposal should be written and approved by the academic advisor, and a final report should be submitted to the supervising instructor for credit. Topical or project work is chosen by the student with the consent of the supervising instructor and approval from the academic advisor. It may be repeated for credit. Offered each semester.

ENVR 5300. Environmental Health.

3 SCH. An introduction to the environmental (physical, chemical, biological) determinants that influence human health and means of controlling these determinants. Emphasis will be given to urban water supply, wastewater disposal, ambient and indoor air quality, solid and hazardous wastes, food protection, vector control, radiation protection, occupational safety, toxicology, risk assessment and risk communication.

ENVR 5315. Environmental Health Risk Analysis & Management.

3 SCH. Principles of environmental health risk of toxic substances. Qualitative and quantitative skills necessary to evaluate the probability of injury, disease, or death from exposure to environmental contaminants are discussed. Hazard identification, exposure assessment, dose-response evaluation, and risk characterization are emphasized. Techniques to effectively prepare community action plans, interface with the media, prepare and conduct public meetings and speak on environmental risk are presented. Skill development is enhanced with case studies, role-playing, and public speaking. Prerequisites: BIOS 5210 & ENVR 5300.

ENVR 5320. Occupational Health.

3 SCH. An introduction to occupational health: the evaluation and control of the occupational environment with regard to minimizing toxic exposure in the workplace, including chemical agents, biological agents, dusts and fibers, noise, heat and radiation, methods of detection and control, development standards in the workplace, ventilation, engineering and other controls, personal protection, air monitoring, exposure-health effect, linkage and job-exposure matrices. Prerequisites: EPID 5100, BIOS 5210, and ENVR 5300.

ENVR 5330. Environmental Toxicology.

3 SCH. This course will deal with some important topics in environmental toxicology. Some of the topics that will be covered include: dose-response curves and nature of threshold for carcinogens and non-carcinogens; determination of air concentrations within and outside the workplace; development of standards; mechanism(s) of carcinogenicity and promotion; latency periods; exposure assessment; risk assessment.

ENVR 5420. Texas-Mexico Border Health Issues.

3 SCH. This experiential course focuses on issues surrounding public health on the Texas-Mexico border. Border health issues addressed include cultural diversity; water and waste-water treatment; air and water pollution; and zoonotic, acute infectious and chronic disease control. Course includes on-site study in Laredo and/or other border communities. Enrollment limited.

ENVR 5910. Independent Study in Environmental Health.

1-3 SCH. For students capable of independently completing topical studies or projects through conferences and activities directed by the instructor. Topical or project work is chosen by the student with the consent of the instructor. May be repeated for credit. Offered each semester.

ENVR 6340. Environmental Impact Assessment.

3 SCH. This course addresses the principles and practices of preparing environmental impact assessments and statements. The course addresses how to understand the effects that humans have on the environment and the impact those effects have on specific resources, ecosystems, and human communities. Legislation and regulations are discussed and published environmental assessments are reviewed.

ENVR 6360. Water and Wastewater Management.

3 SCH. Water, land and air pollution control technologies are presented. Engineering approaches to pollution problems are demonstrated by considering technical feasibility and economic constraints. Includes field trips to various pollution-control facilities. Prerequisites: two semesters of undergraduate chemistry.

EPID 5100. Principles of Epidemiology.

3 SCH. An introduction to epidemiology for students majoring in any aspect of public health. Principles and methods of epidemiological investigations, both for infectious and non-infectious diseases, as well as for assurance of health, are included.

EPID 5605. Theory & Practice of Epidemiology I.

3 SCH. This course in an intensive introduction to epidemiologic theory and methods. It is designed for students who plan to concentrate in epidemiology, and for students who require extensive preparation in epidemiologic methodology. The history, philosophical bases, epidemiologic study designs, approaches to data collection, measures of disease occurrence and effect estimation are stressed.

This is the first semester of a two semester sequence. The first semester is concerned with the theoretical and methodological foundations of epidemiologic thought and practice, and principles of study design. The second semester emphasizes approaches to and issues pertaining to the analysis of epidemiologic data and causal inference. Prerequisites: BIOS 5210 or concurrent enrollment.

EPID 5610. Chronic Disease Epidemiology.

3 SCH. This course provides a survey of common chronic diseases in the United States and epidemiologic methods used in the prevention and control of such diseases. Course content includes study of the multifactorial etiology of many chronic diseases and the methodologic problems posed in studying chronic diseases. Prerequisite: EPID 5100.

EPID 5620. Theory & Practice of Epidemiology II.

3 SCH. This is the second semester of a two-semester course sequence, which provides an intensive introduction to epidemiologic theory and methods. It is designed for students who plan to concentrate in epidemiology, and for students who require extensive preparation in epidemiologic methodology. Causal inference, precision and validity, the analysis of crude and stratified data, approaches to assessing for effect modification and adjusting for confounding, matching, estimating dose response associations and an introduction to basic principles of modeling data are covered. State-of-the-art quantitative approaches to the analysis of epidemiologic data are stressed in this course. Prerequisites: EPID 5605.

EPID 5630. Infectious Disease Epidemiology.

3 SCH. Infectious diseases are a leading cause of death, accounting for a quarter to a third of the estimated 50+ million deaths worldwide. This course provides an introduction to the epidemiology of infectious diseases. This course focuses on the epidemiologic patterns of infectious diseases as well as new emerging infectious diseases, and their prevention and control. Prerequisite: EPID 5100.

EPID 5640. Epidemiology of Outbreaks/Investigations.

3 SCH. This course will increase student's understanding of reportable diseases, exotic conditions and clusters of health events in Texas and in the U.S. A. and their modes of transmission. Students will become familiar with the process of outbreak investigation — preparing for fieldwork, process of disease surveillance, levels of prevention and report writing. Detailed discussions will focus on how to perform descriptive epidemiology of the most common outbreaks in Texas, U.S.A. and to develop and evaluate hypotheses of outbreaks in public health. It will also emphasize public health strategies for reduction of current and emerging infections and preparedness for bioterrorism investigations in the community. It is also designed to prepare future epidemiologists to formulate conclusions and communicate analytical findings to the public and media. Prerequisites: EPID 5100, EPID 5605 or permission of instructor.

EPID 5650. Epidemiology Seminar.

1 SCH. The purpose of the seminar course is to present on-going research by faculty, staff, students, and guests, and to discuss recent journal articles and controversial issues in the field of epidemiology. It is designed to build on a foundation of coherent epidemiological concepts and foster the understanding of the principles and methods of epidemiologic study design, analysis, and interpretation.

This course is designed specifically for epidemiology concentration and other public health students requiring a more thorough knowledge of the concepts and methods used in epidemiologic research. Prerequisites: EPID 5100, EPID 5605 or permission of instructor.

EPID 5660. Epidemiology of Diseases of Public Health Importance.

3 SCH. This course presents an epidemiologic survey of diseases of major public health importance both in the United States and abroad and the epidemiological and basic statistical methods used in the prevention, control, and identification of major risk factors of such diseases. Detailed discussions of the epidemiology of selected diseases and conditions such as myocardial infarction, stroke, hypertension, selected cancer types and sites, automobile accidents, asthma, diabetes, HIV/AIDS, hepatitis A, B, and C, AIDS, tuberculosis, malaria and dengue are covered.

EPID 5670. Epidemiology of HIV/AIDS.

3 SCH. This course presents a comprehensive review of HIV/AIDS with emphasis on epidemiologic aspects both in the United States and abroad, and the epidemiological and basic statistical methods used in the prevention and control of the disease, as well as the identification of major risk factors, transmission, and etiology. Detailed discussions of the Epidemiology of selected associated diseases and conditions such as tuberculosis, PC pneumonia, Kaposy's sarcoma and dementia are included. Prerequisites: EPID 5100, EPID 5605 or permission of instructor.

EPID 5680. Epidemiology of Sexually Transmitted Diseases (STD).

3 SCH. This course will present practical methods used by epidemiologists in responding to reporting, investigation, surveillance and basic statistical methods used to analyze and report. sexually transmitted diseases both in Texas and United States. It is designed to equip the future epidemiologist with skills in performing field investigations, how to follow-up of reportable STDs, and screening of contacts with confidentiality. Detailed epidemiology, preventive strategies, counseling of STDs, such as diseases characterized by genital ulcers with reference to special populations (e.g. pregnant women, adolescents, and children) are included. A field trip to the Tarrant County Public Health Department will be conducted to observe STD surveillance in action.

Epidemiology of diseases characterized by genital ulcers and the management of patients who have a history of genital ulcers, behavioral aspects and "The National Plan to Eliminate Syphilis" will be discussed. Detailed discussion will include of the epidemiology of diseases such as chancroid, genital ulcers, venereum granulomas, all forms of syphilis, gonorrhea, and chlamydia infections. Prerequisites: EPID 5100, EPID 5605 or permission of instructor.

EPID 5690. Epidemiology of Bioterrorism / Catastrophic Events.

3 SCH. The purpose of this course is to give epidemiology majors and other interested public health students an understanding of the basic epidemiologic principles and methods related to bioterrorist attacks and other catastrophic events (both natural and man-made). The use of biological, chemical, and radiological agents as weapons will be examined as well as the distribution and frequency of disease associated with these events and other natural and man-made catastrophic events. A unified set of concepts, principles, theory and methodologies used in the study of bioterrorist and other catastrophic events will be undertaken. Examples will be taken from bioterrorist events (Aum Shinrikyo, Dalles, Oregon, etc), man-made catastrophies (Chernobyl, Bhopal, etc) and natural catastrophic events (Galveston Hurricane, CO2 at Lake Nyos, etc). It is designed to build on a foundation of coherent epidemiological concepts and foster the understanding of the use of epidemiologic principles and methods in responding to catastrophic events. This course is designed specifically for epidemiology concentration and other public health students requiring a more thorough knowledge of bioterrorism and catastrophic events. Prerequisites: EPID 5100, EPID 5605 or permission of instructor.

EPID 5910. Independent Study in Epidemiology.

1-3 SCH. For students capable of independently completing topical studies or projects through conferences and activities directed by the instructor. Topical or project work is chosen by the student with the consent of the instructor. May be repeated for credit. Offered each semester.

EPID 6610. Cardiovascular Disease Epidemiology.

3 SCH. This course examines the epidemiology of cardiovascular disease, with emphasis on coronary heart disease. The major risk factors for coronary heart disease and approaches to risk factor intervention are discussed. Emphasis is given to public health strategies for reduction of risk factors among populations. Prerequisites: BIOS 5210 or consent of instructor.

EPID 6615. Epidemiologic Surveillance.

3 SCH. This course includes the application of epidemiologic methods to two important professional areas of public health. The first one is devoted to the planning, management, and data analysis ofpublic health surveillance systems. The steps for planning a surveillance system, criteria for identifying high priority health events for surveillance, types of surveillance systems, data collection, data processing, quality control, analysis and the interpretation of surveillance data are included. This part of the course also encompasses the basis for evaluation of surveillance systems, and the methods used for screening of disease. A small-scale computerized surveillance system is developed as part of the course. The second part of the course, deals with the basic epidemiologic methodology used to assist in the planning and evaluation of health programs of disease control and prevention. It includes the methodology for the design of instruments for data collection, assessment of health care needs, and the epidemiologic evaluation of the impact of health interventions. Prerequisite: EPID 5100 and BIOS 5210.

EPID 6620. Survey Methodology.

3 SCH. The purpose of this course is to prepare students to examine the unified concepts, principles and methodologies that govern survey research. The course stresses survey design, questionnaire design, and analysis of survey data. The course is designed for epidemiology and other public health students requiring a thorough knowledge of survey research. Prerequisites: HMAP 5450 or consent of instructor.

EPID 6625. Tropical Diseases Epidemiology.

3 SCH. This course presents an epidemiologic survey of common tropical diseases both in the United States and abroad and the epidemiological and basic statistical methods used in the prevention, control and identification of major risk factors, vector transmission and etiology of such diseases. Detailed discussions of the epidemiology of selected diseases such as malaria, dengue, Chagas' disease, Hansen's disease, leishmaniasis, legionellosis, plague, cholera and other diarrheal disease, onchocerciasis and selected emerging viral hemorrhagic fevers are included.

EPID 6630. Quantitative Epidemiologic Methods.

3 SCH. State-of-the-art methods for analyzing epidemiologic data will be covered starting with the analysis of stratified data through multivariable modeling. Methodologies for case-control, cohort, and mixed designs will be considered. The statistical analysis package, Egret, will be used for class assignments and projects. However, students must have a working knowledge of at least one other statistical package that has database management capabilities. Students will be required to have completed two semesters of epidemiologic theory and methods, and at least two statistical methods courses, at least one of which included a thorough treatment of regression analysis. Previous completion of a course in survival analysis or concurrent enrollment is recommended. This course will feature application of state-of-the-art methods of analysis, such as log linear methods, logistic regression approaches, poisson regression, proportional hazards modeling, the analysis of spatial distributions, survival data and "computer-intensive" approaches to statistical estimation. Data sets will be provided to allow students to gain experience with each method considered. The goal of this course is to allow the student to develop a clear understanding of statistical computing and analytic approaches to problems in epidemiologic data analysis. Prerequisites: EPID 5620 and BIOS 5215, or permission of instructor.

EPID 6640. Environmental Epidemiology.

3 SCH. Epidemiology is crucial to the analysis of relationships between the environment and health. The purpose of this course is to prepare students to examine the unified set of concepts, principles and methodologies that govern environmental epidemiology. It is designed to build on a foundation of coherent epidemiological concepts and foster the understanding of the principles and methods of environmental and epidemiologic study design, analysis and interpretation.

This course is designed specifically for epidemiology concentration and other public health students requiring a more thorough knowledge of the concepts and methods used in environmental epidemiologic research. Building upon material covered in previous epidemiology courses, this course stresses etiologic study designs, methodological issues and analytic methods as they relate to environmental studies. Prerequisites: EPID 5620 or permission of instructor.

EPID 6655. Epidemiology of Injury.

3 SCH. This course will present the nature and magnitude of the problem and provides basic approaches to injury prevention. The instructor(s) will emphasize a methodological approach in the analysis of the health impact, circumstances, and costs of injuries. They detail the role of health services in injury prevention and describe surveillance methods and effective preventive measures that can be implemented relatively easily, even in countries with limited resources. This course will help students understand this major health problem,

the changes that could reduce it, and the means of influencing crucial public policies. This course is intended for public health practitioners who develop and evaluate injury surveillance programs, epidemiologists and other public health researchers who wish to understand the patterns of injury occurrence.

This course is designed specifically for epidemiology concentration and other public health students requiring a more thorough knowledge of the concepts and methods used in injury research. Building upon material covered in previous epidemiology courses, this course stresses etiologic study designs, methodological issues and analytic methods as they relate to injury studies. Prerequisites: EPID 5620 or permission of instructor.

EPID 6660. Reproductive & Perinatal Epidemiology.

3 SCH. Understanding the adverse health outcomes that occur or orignate in pregnancy, labor and delivery, and the perinatal period poses special challenges to epidemiologists. The purpose of this course is to prepare students to examine the unified set of concepts, principles, and methodologies that govern reproductive and perinatal epidemiology. This course will provide an overview of epidemiologic methods central to reproductive and perinatal epidemiology, as well as the methodological issues surrounding this area of research. It will focus on methodological and substantive issues in reproductive epidemiology with practical illustrations. Specific topics will include conception and early fetal loss, hazards to embryonic life, fetal growth and its determinants, preterm delivery, effects of health services and the late cycle of fetal and perinatal events. Measurement of these outcomes, problems of study design, selection of study populations, common biases and problems of sample size calculation will be covered.

This course is designed specifically for epidemiology concentration and other public health students requiring a more thorough knowledge of the concepts and methods used in reproductive and perinatal epidemiologic research. Building upon material covered in previous epidemiology courses, this course stresses etiologic study designs, methodological issues and analytic methods as they relate to reproductive and perinatal studies. Prerequisites: EPID 5620 or permission of instructor.

EPID 6670. Cancer Epidemiology.

3 SCH. This course is an introduction to the biologic, cellular, and genetic basis of neoplastic growth, mechanisms of carcinogenesis, a review of methods used in epidemiologic studies of cancer, the epidemiologic studies of cancer, the epidemiologic characteristics of major types of cancer and current knowledge regarding causation and prevention. It is designed for students who are interested in chronic diseases, especially those who plan further study and/or research in the area of cancer epidemiology. Prerequisites: EPID 5620 or permission of instructor.

EPID 6680. Nutritional Epidemiology.

3 SCH. This course is designed specifically for students in epidemiology who require a more thorough knowledge of the design concept and methodological issues in nutritional epidemiology. This course reviews several specific diet-disease associations from different study designs and relevant methodological issues. Prerequisites: EPID 5620 or permission of instructor.

EPID 6690. Occupational Epidemiology.

3 SCH. The purpose of this course is to prepare students to examine the unified set of concepts, principles and methodologies that govern occupational epidemiology.It is designed to build on a foundation of coherent epidemiological concepts and foster the understanding of the principles and methods of occupational epidemiologic study design, analysis, and interpretation.

This course is designed specifically for epidemiology concentration and other public health students requiring a more thorough knowledge of the concepts and methods used in occupational epidemiologic research. Building upon material covered in previous epidemiology courses, this course stresses etiologic study designs, methodological issues and analytic methods as they relate to occupational studies. Prerequisites: EPID 5620 or permission of instructor.

EPID 6855. Prevention and Control Practice Residency.

4 SCH. This academic activity provides doctoral students with experience in the application and practice of epidemiology through directed work in practice settings. Students are required to commit a substantial number of hours to the practice experience, produce a written report of project(s) undertaken in the placement, and give a poster or oral presentation of their practice experience. The written report should be presented in the form of a publishable article to be submitted to an epidemiology related peer-review journal. Placements and practice activities are selected to complement the student's academic and professional plans and may be used to collect the data for the dissertation. Students must obtain approval of their choice of practice placement and plan for the practice experience plan in the semester prior to registering. Requirements may be completed over

the period of more than one semester with approval of the academic advisor and the practice coordinator. This course requirement may not be waived.

EPID 6910. Doctoral Independent Study in Epidemiology.

1-3 SCH. This academic activity includes research and other scholarly projects carried out by the student under the supervision of a SPH faculty member (instructor). A brief proposal should be written and approved by the academic advisor, and a final report should be submitted to the supervising instructor for credit. Topical or project work is chosen by the student with the consent of the supervising instructor and approval from the academic advisor. It may be repeated for credit. Offered each semester.

HMAP 5130. Principles of Public Health.

3 SCH. This course provides a broad overview of the organization and practice of public health at the national, state and local levels. The central functions and essential services of public health are discussed, along with public advocacy, ethics, cultural competence, and policy development. Special emphasis is given to program development in public health.

HMAP 5200. Health Administration.

3 SCH. This course provides an introduction to administrative and managerial practices as they relate to public health and healthcare organizations. The course covers basic concepts and theories of management, leadership, organizational environments, the legal basis for public health, planning, programming, evaluation, budgeting and personnel management.

HMAP 5240. Health Politics and Policy.

3 SCH. This course emphasizes key concepts and knowledge regarding how health policy is formulated, enacted, and implemented. Policy analysis skills are developed and applied by the students.

HMAP 5245. Health Economics.

3 SCH. An overview of micro economic theory, demand and supply of health services, hospital and physician service markets, role of public sector, comparative health systems and cost effectiveness analysis. Background in economics and statistics is helpful but not required.

HMAP 5250. Public Health Leadership.

3 SCH. The goals of this course are to develop the student's ability to create and implement, with organizations and communities, a shared vision for the public health; develop the skills to mobilize resources and the organizational and community capacity necessary to address public health challenges and achieve the national health objectives; and to enable participation in a network that fosters life-long learning and shapes the future of public health.

HMAP 5255. Finance for Health Management.

3 SCH. This course offers an introduction to financial theory and practice in health care settings. It is designed to familiarize students with important concepts and issues confronting managers in the health sector. Background in accounting and economics is helpful.

HMAP 5260. Health Information Systems.

3 SCH. The curriculum will consist of three modules: technology, planning and management, and applications in health care and public health. The emphasis will be on conceptual frameworks as well as a deeper level of engagement on system applications. It is not a course in computer programming, rather the main focus will be on the management of technology, with a particular emphasis on the private/public sector for health management. It is designed to familiarize students with core concepts & issues confronting managers in the health sector associated with planning, implementation and evaluation of information systems. Students will also learn how to access and use downloadable and extractable databases for research from the Web, such as those from the CDC, AHRQ, TDH and NCHS all have such databases.

HMAP 5430. Health and Public Health Law.

3 SCH. Introduction to the statutes and case law governing the practice public health professionals. Emphasis on the constitutional basis for public health issues, and the role of administrative law in public health.

HMAP 5450. Public Health Program Planning and Evaluation.

3 SCH. This course is an introduction to the concepts, methods, and applications of public health program planning and evaluation. The course will explore the role of planning and evaluation in improving program implementation and management. Design and application of evaluations will include both quantitative and qualitative research methods.

HMAP 5910. Independent Study in Health Management & Policy.

1-3 SCH. For students capable of independently completing topical studies or projects through conferences and activities directed by the instructor. Topical or project work is chosen by the student with the consent of the instructor. May be repeated for credit. Offered each semester.

HMAP 6140. Ethical Issues in Public Health.

2 SCH. The course provides an examination of fundamental and current ethical issues in public health. Through lectures, readings, case studies, and historical examples students will explore principles of ethics and theories of justice applicable to the public health profession. Students will develop skills of ethical analysis and apply them to major issues in public health practice, research, management, and policy. Examples of such issues include provider-patient relationships, community and social context, human subject research, and healthcare allocation.

HMAP 6200. Organizational Management.

3 SCH. This course will prepare students to function in managerial and leadership positions in either the public or private sectors. The course will use the "Balanced Scorecard" as the basis for learning the concepts and methods of strategic management, which seeks organizational alignment of organizational goals and objectives, financial measures, internal processes, customer relationships, and learning and growth.

HMAP 6210. Health Services Research.

3 SCH. The course will provide an overview of current health services research of interest to public health and health management and policy. Methodologies related to health services research will be presented and critiqued. Students will gain experience in presenting and providing critiques of current research. The course will culminate in an original health services research project by each student. Prerequisites: BIOS 5210 and BIOS 5215.

HMAP 6215. Health Insurance and Managed Care.

3 SCH. A survey of the history of health insurance in the United States. Theoretical issues in health insurance, cost containment in public and private sectors, global finance of health services, long term care and the problem of the uninsured.

HMAP 6220. Advanced Health Economics.

3 SCH. The course considers a variety of special topics with a focus on managed care issues. Issues include: actuarial problems in managed care, rate setting for hospital and physician services, mergers and acquisitions, antitrust in the health sector, the role of equity markets in health services, cost benefit and cost effectiveness analysis.

HMAP 6225. Quality Management in Long-Term Care.

3 SCH. The theoretical basis and diverse perspectives of quality management and regulation approaches for long-term care services will be presented. Will include relevant research and management methodologies that are currently being used in the long-term care system.

HMAP 6230. Public Health Long-Term Care Policy.

3 SCH. The organization, financing, delivery and utilization of long-term care, comprehensively designed, are examined with emphasis on affordability, access and quality in a managed care environment for older adults. (Note: the Health Resources and Services Administration (HRSA) and Managed Care Technical Assistance Program will support the course).

HMAP 6240. Advanced Health Informatics.

3 SCH. This course is designed to integrate the areas of information technology, systems analysis and design, project management and clinical expert system to aid the student in developing major information systems. This course will cover four core components of information systems. Students will design, develop, and integrate three of the four types of information systems; specifically, each three-student group will build an online order entry system (to produce periodic summary reports), and a Executive Information System (along with the associated data warehouse and data analysis capabilities).

More specifically, the goals are: (1) to provide students with an understanding of how informatics can be applied in health science and research; (2) to familiarize students with advanced informatics and expert systems techniques; (3) to provide students with hands-on experience in working with clinical data sources through a project related to their own research interest; and (4) to present research results with applied informatics techniques. Prerequisite: HMAP 5260.

HMAP 6910. Doctoral Independent Study in Health Management & Policy.

1-3 SCH. This academic activity includes research and other scholarly projects carried out by the student under the supervision of a SPH faculty member (instructor). A brief proposal should be written and approved by the academic advisor, and a final report should be submitted to the supervising instructor for credit. Topical or project work is chosen by the student with the consent of the supervising instructor and approval from the academic advisor. It may be repeated for credit. Offered each semester.

SCBS 5110. Behavioral and Social Aspects of Public Health.

3 SCH. This course introduces the factors that determine the frequency and distribution of disease in human populations. Provides an overview of the role of the social, economic, cultural and political environment in the promotion of health, prevention of disease and vulnerability to disease. Topics include concepts and theories of social and behavioral sciences, and the application of social and behavioral theories and methods to identify and design interventions to solve current health problems.

SCBS 5220. Ethnicity, Culture and Health.

3 SCH. This course is designed to provide the student with basic knowledge regarding multicultural issues in health care and increase awareness and sensitivity to health care needs of the various cultural and ethnic groups. This course explores defining characteristics of ethnicity, race, gender, and socioeconomic status and their public health implications. Commonalities and differences among culturally diverse groups and how the understanding of these can enhance the practice of public health are discussed.

SCBS 5225. Medical Anthropology.

3 SCH. Comparative study of the biocultural and socioeconomic bases of health, cultural and social variations in illness and healing. Health in ecological context is related to social change and cultural responses to disease. Social and ethical issues are analyzed using applied anthropology and participatory research.

SCBS 5230. Community Health Education Strategies.

3 SCH. This course addresses the strategies used to deliver health education in diverse community settings. Students develop skills in assessment, planning and delivery of appropriate health information. Prerequisites: SCBS 5110 and SCBS 5400 or consent of instructor.

SCBS 5400. Community Health.

3 SCH. Introduction to general principles of health planning and program development of community-based public health programs oriented toward a perspective that links together strategies to address public health problems, with practical techniques and tools for community needs assessment and program evaluation.

SCBS 5410. Community Assessment.

3 SCH. This course provides an introduction to community assessment as it pertains to the functions of public health. As one of the core functions of public health, community assessment facilitates problem solving and policy development. The course covers concepts relevant to community diagnosis such as statistics on health status, health resources, health needs and health problems; systematic collection, assembly, analysis, and interpretation of data related to the characteristics, the resources, and the health of the community.

SCBS 5420. Texas-Mexico Border Health Issues.

3 SCH. This experiential course focuses on issues surrounding public health on the Texas-Mexico border. Border health issues addressed include cultural diversity; water and waste-water treatment; air and water pollution; and zoonotic, acute infectious and chronic disease control. Course includes on-site study in Laredo and/or other border communities. Enrollment limited.

SCBS 5430. Health Communication Strategies in Public Health.

3 SCH. This course is designed to provide a step-by-step approach to developing, implementing, and evaluating a health communication plan designed to influence voluntary behavior change of target audiences to improve their personal welfare and that of their society. The role of media and other channels will be evaluated as part of health communication strategies. National and international health communication campaigns will be analyzed.

SCBS 5500. Introduction to International Health.

3 SCH. The introductory course provides the student with an overview of the conditions, practices and obstacles encountered in delivering primary health care in the international arena. The differences and commonality of the challenges facing the health care provider are explored. The history of international health and the roles of government and non-governmental agencies are presented along with specific models of intervention and evaluation of major international health problems.

SCBS 5560. Field Studies in International Health I.

3 SCH. Topics of special nature or of interest to students with specific topic area of problem focus in the field of international health. Course includes field experience and project presentation. Prerequisite: Advance permission of the instructor with site and program approval. International sites may require several months of advance planning.

SCBS 5570. Field Studies in International Health II.

3 SCH. An extension of Field Studies I allowing the student defined experiences in research and/or practice. Prerequisite: Advance permission of the instructor with site and program approval. International sites may require several months of advance planning.

SCBS 5910. Independent Study in Social & Behavioral Sciences.

1-3 SCH. For students capable of independently completing topical studies or projects through conferences and activities directed by the instructor. Topical or project work is chosen by the student with the consent of the instructor. May be repeated for credit. Offered each semester.

SCBS 6170. Qualitative Research Methods.

3 SCH. The course integrates qualitative research design with grounded theory, participatory research and evaluation, and ethical guidelines for community health and mental health research. Methods and techniques include ethnography, participant observation, interviews, narratives, oral and life histories, natural and group observation, focus groups, and qualitative data analysis.

SCBS 6400. Research Methods in Social and Behavioral Sciences.

3 SCH. An advanced methods seminar for doctoral students in public health. The course objective is to provide students with instruction and hands-on experience in applying methods of quantitiative analysis to research problems associated with social and behavioral aspects of public health.

SCBS 6405. Social and Behavioral Dimensions of Health Disparities.

3 SCH. An advanced seminar for doctoral students in public health. The course objective is to provide students with instruction and hands-on experience in understanding the social and behavioral factors associated with ethnic, racial and gender disparities in health. Issues to be addressed include: income inequality and health, discrimination, social justice and health, transforming economic conditions

and health, cultural incompetence in health care. Research on health disparities will be examined taking into consideration an array of social, political and economic forces.

SCBS 6855. Social and Behavioral Practice Residency.

4 SCH. This academic activity provides doctoral students with experience in the application and practice of social and behavioral sciences through directed work in practice settings. Students are required to commit a substantial number of hours to the practice experience, produce a written report of project(s) undertaken in the placement, and give a poster or oral presentation of their practice experience. The written report should be presented in the form of a publishable article to be submitted to an epidemiology related peer-review journal. Placements and practice activities are selected to complement the student's academic and professional plans and may be used to collect the data for the dissertation. Students must obtain approval of their choice of practice placement and plan for the practice experience plan in the semester prior to registering. Requirements may be completed over the period of more than one semester with approval of the academic advisor and the practice coordinator. This course requirement may not be waived.

SCBS 6910. Doctoral Independent Study in Social & Behavioral Sciences.

1-3 SCH. This academic activity includes research and other scholarly projects carried out by the student under the supervision of a SPH faculty member (instructor). A brief proposal should be written and approved by the academic advisor, and a final report should be submitted to the supervising instructor for credit. Topical or project work is chosen by the student with the consent of the supervising instructor and approval from the academic advisor. It may be repeated for credit. Offered each semester.

SPH 5145. Seminar in Public Health.

3 SCH. Topics in public health practice examined. Topics vary. May be repeated for credit.

SPH 5800. Capstone.

3 SCH. The capstone course is designed to allow students the opportunity to apply methods and techniques learned in the M.P.H program to a practical public health problem. All students, regardless of their specialty concentration, will participate as a member of an interdisciplinary team to conduct a project focused on a public health problem and communicate results in written report. The course is designed to partially meet the culminating experience requirement for students in the M.P.H. program. (Student must also complete SPH 5900.)

SPH 5850. Practice Experience in Public Health.

3 SCH. This course provides students with experience in public health practice through directed work in practice settings. Students are required to commit a substantial number of hours to the practice experience, produce a written report of project(s) undertaken in the placement, and give a poster presentation of their practice experience. Placements and practice activities are selected to complement the student's academic and professional plans. Students must obtain approval of their choice of practice placement and plan for the practice experience plan in the semester prior to registering in SPH 5800. SPH 5850 requirements may be completed over the period of more than one semester with approval of the practice coordinator. The student must maintain continuing enrollment in SPH 5850 until the requirements are completed. This course is graded on a Pass/Fail basis only.

SPH 5900. Professional Report.

3 SCH. The student conducts an individual project that addresses a well-focused public health question or issue. Work is conducted under the supervision of a faculty committee. A written report of the project is required as well as an oral presentation by the student to the supervisory faculty committee. SPH 5900 is designed to partially meet the culminating experience requirement for the M.P.H. (Student must also complete SPH 5800.) The student must maintain continuous enrollment in SPH 5900 until the requirements are completed. This course is graded on a Pass/Fail basis only.

SPH 5950. Thesis.

3 SCH. The thesis requires the student to conduct and prepare the written thesis under the supervision of a faculty committee. The thesis is written in traditional academic style or in journal article manuscript format. The student must complete an oral defense of the thesis. The student must maintain continuous enrollment in SPH 5950 until the requirements are completed and the thesis is approved by the dean. May be repeated for credit. A minimum of 6 SCH is required to meet the M.P.H. culminating experience requirement. This course is graded on a Pass/Fail basis only.

SPH 6145. Doctoral Seminar in Public Health.

3 SCH. Topics in public health practice examined. Topics vary. May be repeated for credit.

SPH 6150. Current Topics.

1 SCH. This course/seminar provides students with knowledge and practical skills to effectively apply core concepts of public health for the critical review of technical and scientific publications. The course provides opportunities for graduate students to update themselves on relevant topics related to public health as well as discuss methodological issues as they apply to specific technical or research reports and publications. This course includes several academic activities such as critical review of classic public health literature, and recent findings on major public health problems; presentation of selected topics on prevention, control and elimination of diseases or conditions of public health importance; students presentations of research proposals or results of doctoral dissertations. Topics vary.

SPH 6850. Public Health Practice Residency.

4 SCH. This academic activity provides doctoral students with experience in public health practice through directed work in practice settings. Students are required to commit a substantial number of hours to the practice experience, produce a written report of project(s) undertaken in the placement, and give a poster or oral presentation of their practice experience. The written report should be presented in the form of a publishable article to be submitted to a public health related peer-review journal. Placements and practice activities are selected to complement the student's academic and professional plans. Students must obtain approval of their choice of practice placement and plan for the practice experience plan prior to registering. Requirements may be completed over the period of more than one semester with approval of the academic advisor and the practice coordinator. The student must maintain continuous enrollment in SPH 6850 until the requirements are complete. This course requirement may not be waived. This course is graded on a Pass/Fail basis only.

SPH 6950. Doctoral Dissertation.

3 SCH. The doctoral dissertation must consist of original research or public health program development and testing that is focused on a particular health problem. The student's advisor is expected to provide guidance in the selection of a suitable project that provides for a clear direction for implementing the research or program. The student must complete an oral defense of the dissertation. The student must maintain continuous enrollment in SPH 6950 until the requirements are completed. May be repeated for credit. A minimum of 9 SCH is required for the Dr.P.H degree. This course is graded on a Pass/Fail basis only.

University of North Texas at Denton

The following courses are offered at the University of North Texas. Consult the appropriate department at UNT for frequency of course offerings. The main telephone number for UNT is 940-565-2000.

Applied Gerontology (AGER)

AGER 5250. Introduction to Health Services Research.

3 hours. This course surveys the history of the development of the field of health services research; the interdisciplinary contributions of the disciplines of sociology, economics, anthropology, gerontology, political science and public health to the field; and the use of survey research to collect information on health status and health services utilization on the health status and health services utilization. (Cross-listed with sociology, economics, and anthropology.)

AGER 5400. Health Care Delivery Systems.

3 hours. A cross-cultural overview of health delivery systems is presented and followed by an extensive consideration of all aspects of the health delivery system in the United States. Government and private sector involvement in the delivery of services is emphasized.

AGER 5770. Program Evaluation in Aging Services.

3 hours. This seminar is designed to provide students with the basic skills and perspectives required to undertake evaluation of health and social programs for the aged, and to assess the merits of program evaluations conducted by others. Emphasis is placed on the unique service needs of older persons; the distinctive character of the facilities, agencies, and programs that serve them; and special challenges faced by those who attempt to assess the benefits of such efforts.

Anthropology (ANTH)

ANTH 5030. Medical Anthropology.

3 hours. This course presents perspectives in contemporary medical anthropology, with a focus on the bio-cultural basis of health and socio-cultural variations in illness and healing (ethno medicine). It includes study of comparative health systems, politico-economic and ethical issues in health and care, health professions and patients' views of illness. Public health and policy issues including multicultural dimensions of health, are discussed.

ANTH 5820. Applying Anthropology: Practicum II

3 hours. Provides experiential learning in applied anthropology through placement on business, government, and social service organizations and agencies. This minimum 135 hour placement is planned in cooperation with the student to meet specialized career goals. (M.P.H. dual degree students must take their placement in a setting relevant to public health). The practicum's aim is to design and implement a project related to practice issue that the placement site will help to identify. Prerequisites: ANTH 5015, 5020, 5040 and 5800.

Behavioral Analysis (BEHV)

BEHV 6400. Behavioral Intervention in Health and Medicine.

3 hours. Course is constructed around a series of cases in which behavioral interventions are planned to improve health, prevent disease, or mitigate the effects of chronic health problems of individuals. A behavioral analysis of the problem in the context of individual's overall repertoire and life circumstances is followed by design of an intervention plan based on behavioral principles. Problems likely to need resolutions for successful intervention are identified and addressed.

Biological Sciences (BIOL)

BIOL 5040. Contemporary Topics in Environmental Science and Ecology.

1-3 hours. Contemporary topics and issues in environmental science and ecology. Topical themes include global climate change, biodiversity, wetlands, population and aquatic, terrestrial or plant ecology. May be repeated for credit as topics vary.

BIOL 5040. Topics: Air Pollution.

3 hours. A contemporary topics offering focusing on air pollution; its measurement and composition; pollution dispersal; and pollution sources and control measures. Students must concurrently enroll in laboratory.

BIOL 5040. Topics: Air Pollution Laboratory.

1 hour. Laboratory for air pollution sampling methods and analyses.

BIOL 5360. Chemistry of Water and Water Pollution.

4 hours. Chemical and engineering approaches to water and wastewater treatment. Laboratory studies for assessing chemicals in water and waste water. Application of standardized analytical methods for evaluating water quality. Prerequisite: 6 SCH of chemistry.

BIOL 5380. Fundamentals of Aquatic Toxicology.

4 hours. Theory and methodologies used by scientists, regulatory agencies and industry to measure the impact of man's activities on freshwater aquatic ecosystems. The course has its foundations in history, but concentrates on current methodologies and theories.

BIOL 5880. Environmental Sciences Seminar Series.

1 hour. A weekly seminar series covering a broad range of environmental research topics. Invited speakers are prominent local, regional or national researchers. Pass/no pass only.

BIOL 5900. Special Problem: Practice Experience in Public Health.

3 hours. Special problem course allows for study tailored to needs of student. Students in the environmental health concentration should enroll in BIOL 5900, under the direction of assigned faculty, to meet the practicum requirement for the M.P.H. degree.

Economics (ECON)

ECON 5180. The Economics of Health Care.

3 hours. Application of economic theory and analysis to the financing and delivery of medical care. Emphasis on the use of economic concepts to understand public policy issues in medical care. Usually offered Fall semester

Geography (GEOG)

GEOG 5400. Environmental Modeling.

3 hours. Modeling of environmental processes and human impacts on the environment to include topics on sensitivity, calibration and evaluation, watersheds, non-point source pollution, hydrological models, GIS, water and air quality models, pollutant transport and fate, and ecotoxicology. Prerequisite(s): graduate standing or consent of department.

GEOG 5500. Introduction to Geographic Information Systems.

3 hours. Introduction to the concepts of computer-based spatial data handling, known as Geographic Information Systems (GIS) technology. Presents the concepts of GIS in a general way utilizing several GIS packages and hypothetical GIS problems. Prerequisite: consent of the department.

GEOG 5600. Seminar in Environmental Policy.

3 hours. Analysis and evaluation of environmental policy, including spatial, historical, economic, ecological and institutional dimensions of contemporary resource management issues.

GEOG 5960. Medical Geography.

3 hours. Locational aspects of disease and health care, spatial patterns of diseases, health facilities, health care policies and problems. Prerequisite: GEOG 2400 or consent of department.

Psychology (PSYC)

PSYC 5030. Advanced Research Design.

4 hours. Principles and techniques of analysis of variance and covariance, experimental designs with applications to randomized groups, factorial, Latin-square, trend analysis and other standard schemes. Experience in laboratory techniques, data collection, data analysis and interpretation. Prerequisite(s): PSYC 5700 or equivalent.

PSYC 5040. Psychological Aspects of Health: A Behavioral Medicine Approach.

3 hours. Conceptual frameworks for understanding factors that influence patterns of health behavior in persons from different cultures. Presents a behavioral medicine perspective of health and disease and illustrates their unique and common elements in sociopolitical and environmental contexts.

PSYC 5050. Seminar in Psychology: Program Evaluation/Consultation in Special Settings.

3 hours. Issues and topics of current interest to students in the various graduate programs but not covered by course offerings. Topic: Program Evaluation/Consultation in Special Settings students in the M.P.H./Ph.D. in Health Psychology/Behavioral Medicine register in PSYC 5050 under the direction of faculty to complete the M.P.H. practicum requirement.

PSYC 5070. Medical and Behavioral Disorders.

4 hours. Focuses on those physical disorders for which behavioral variables are most relevant in terms of etiology, treatment and prevention; i.e. arthritis, hypertension, diabetes, migraine headaches, back pain, etc. Laboratory work includes an introduction to the assessment and primary and secondary treatment of these disorders through such behavioral, non-medical procedures as diet, medical history, physical examination, exercise, health education, and religious affiliation; includes such stress management procedures as therapy, hypnosis, relaxation, biofeedback and meditation.

PSYC 5200. Psychology of Women: An Analysis of Dynamics, Stresses.

3 hours. Designed to give the future educator, counselor and mental health professional a better understanding of the specific psychological, environmental and biological problems facing women. Specific and current methods of advising are covered. Prerequisite: minimum of 6 SCH of undergraduate psychology.

PSYC 5340. Life-span Developmental Psychology.

3 hours. An examination of developmental behavioral change across the human life span. Special concern is given to the conceptual and empirical bases for such change, with an emphasis on measurement and antecedents. More specific treatments of content areas (e.g., learning, memory, intelligence, personality, stress and coping, mental illness, and death and dying) constitute an integral part of the course.

PSYC 5350. Counseling for Sexual Dysfunction and Other Psychosexual Disorders.

3 hours. A study of the origins and treatment of sexual dysfunctions and other psychosexual disorders. The study includes physical and psychological considerations in etiology, diagnosis and treatment.

PSYC 5600. Human Learning and Motivation.

3 hours. Social, psychological and biological dimensions of learning and motivation (e.g., culture, self-concept, perception, cognition, emotion, genotype and maturation) as related to children and youth.

PSYC 5700. Advanced Quantitative Methods in Psychology.

4 hours. Includes a review of probability theory and elementary sampling statistics, a discussion of correlational theory and the application of several correlational techniques, a study of several methods appropriate for testing hypotheses about differences among several means, factorial designs in analysis of variance and some consideration of non-parametric procedures. Prerequisite: an introductory course in statistics.

PSYC 5780. Advanced Psychopathology.

3 hours. A critical analysis of the classificatory systems, etiology and treatment of psychopathological behavior, with a view toward a sophisticated appreciation of the contemporary status and prospectus of this subject domain. Prerequisites: PSTC 4610 and PSYC 5010 or equivalents, or consent of department.

PSYC 5790. Advanced Physiological Psychology.

3 hours. Fundamentals of physiological psychology, including basic neurophysiological laboratory techniques and a survey of current research with an in-depth study in one research area by each student. Prerequisite(s): PSYC 4640 or its equivalent, or consent of department.

PSYC 5840. Psychometric Theory.

3 hours. Systematic treatment of the logic of measurement, including such topics as scaling models, validity, variance and covariance, reliability, theories of measurement error and test construction. Prerequisite: PSYC 5700.

PSYC 5860. Seminar on the Psychology of Aging.

3 hours. Theoretical and research literature concerned with the psychological aspects of aging. Age-related changes in sensation, perception, learning, cognition and personality are considered from both a conceptual and methodological perspective as they bear on adjustment to late adulthood. Prerequisite: PSYC 5010 or advanced study in developmental psychology. May be repeated for credit as topics vary.

PSYC 5870. Advanced Psychology of Personality.

3 hours. Theory, research, applications, and current issues involving major systems for understanding personality, including the studies of human nature, individual differences, and integration of part-systems to form a model of the whole person. Prerequisite: consent of the department.

PSYC 5890. Psychological Counseling for Late Maturity and Old Age.

3 hours. Study of the predictable and normal dependencies of aging; techniques of individual, family and group counseling applied to later life, with emphasis on problems of retirement, health and bereavement.

PSYC 6110. Professional Issues in Behavioral Medicine.

3 hours. Issues facing health psychologists practicing in behavioral medicine settings. Themes focus on malpractice risks related to health services, including managed health care; privacy, consent and access to hospital records; quality assurance, quality control and mechanisms of review; interdisciplinary relationships, hospital privileges, multiple codes of ethics/legal constraints and hierarchical levels of professional responsibility for medical regimes; medical liaison consultation with under-served populations; and anticipating issues for the health/psychology/behavioral medicine practitioner.

PSYC 6130. Assessment and Treatment of Substance Abuse.

3 hours. History of alcohol and drug use across cultures and the emergence of distinctions, sanctions and prohibitions. The major categories of psychotropic substances are reviewed, along with their chemical and behavioral effects. Characteristics of users and abusers are discussed. Various treatment approaches and their effectiveness are evaluated. Prerequisite: consent of instructor.

PSYC 6400. Research Methodology Applications.

3 hours. Introduction to research methodology in psychology. Includes measurement theory, latent construct theory, experimental and quasi-experimental design, overview of data analytic strategies and power analysis. Focus on individual student projects. Prerequisite: consent of department.

PSYC 6570. Psychological Diagnostics and Intervention for Psychosomatic Disorders.

3 hours. This course offers an examination of the physiological and psychological aspects of disorders such as HIV infection, cancer and depression. The medical and behavioral interventions available are discussed, along with the relative merits and effectiveness of these treatments.

PSYC 6710. Psychological Responses to Ecological and Nutrient Influences.

3 hours. An examination of a range of environmental stimuli that may be toxic to the human condition and an interpretation of the relationship between psycho-nutritional deficits and behavior. Prerequite(s): a graduate course in assessment or consent of the department.

PYSC 6760. Psychotherapy Methods and Behavioral Medicine.

4 hours. Systematically reviews theoretical and research literature on the mind/body relationship and implications for psychotherapy strategies with individuals confronting disease.

The role of biopsychosocial factors will be examined in planning practical treatment interventions to help improve the physical, emotional and spiritual well-being of the patient. Laboratory work includes supervised practice in the design and implementation of behavior change paradigms. Prerequisite: consent of the department.

9 Faculty, Officers & Staff

School of Public Health Faculty

Ajani, Umed Ali, M.B.B.S., M.P.H.,
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Department Chair
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Department Chair
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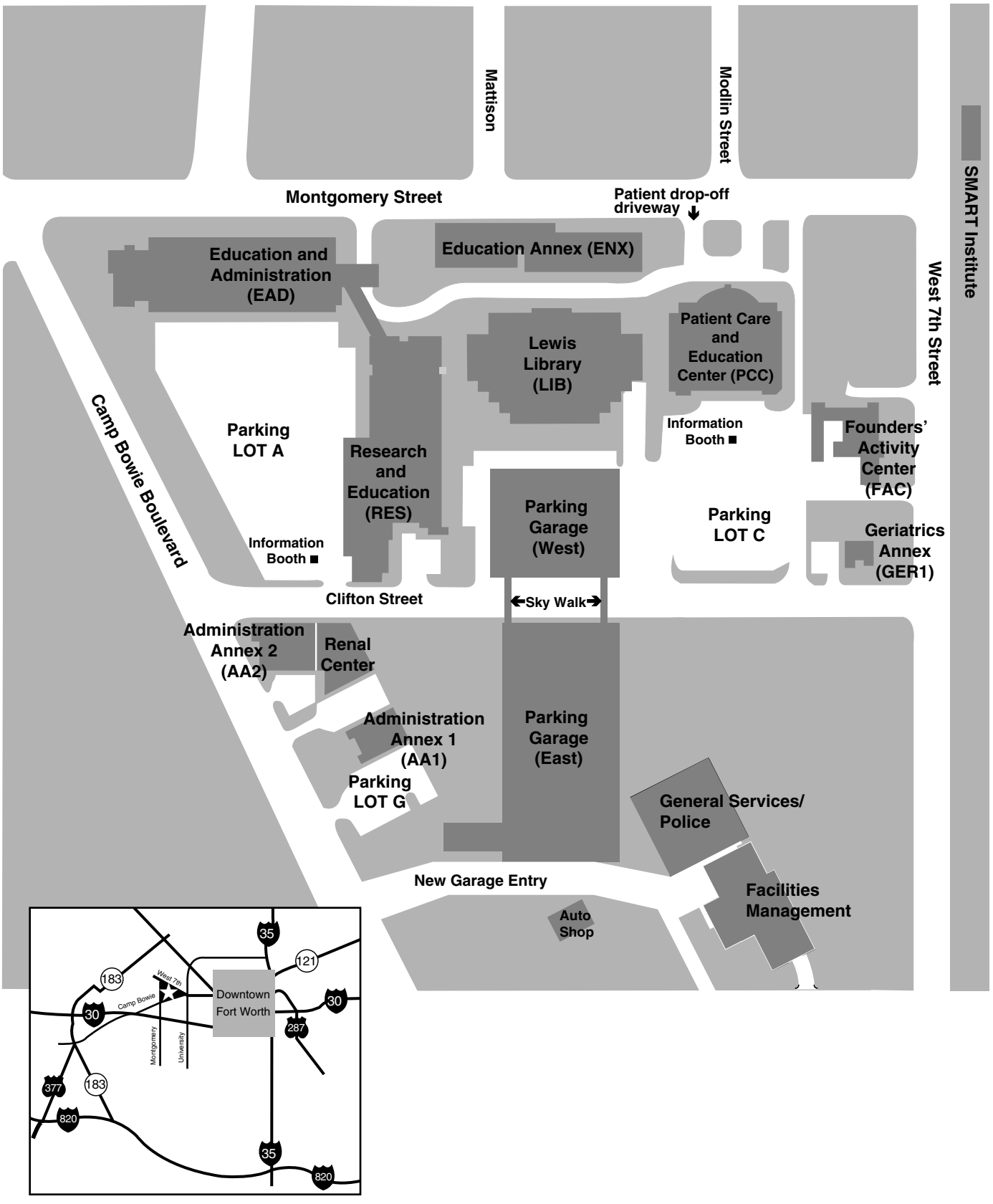
Department Chair

Campus Map


Mattison
Modlin Street
SMART Institute
Montgomery Street
Patient drop-off driveway
Education and Administration (EAD)
Education Annex (ENX)
West 7th Street
Lewis Library (LIB)
Patient Care and Education Center (PCC)
Camp Bowie Boulevard
Parking LOT A
Research and Education (RES)
Information Booth
Information Booth
Founders' Activity Center (FAC)
Parking Garage (West)
Parking LOT C
Geriatrics Annex (GER1)
Clifton Street
Sky Walk
Administration Annex 2 (AA2)
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Facilities Management
Auto Shop
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121
183
West 7th
Camp Bowie
30
Downtown Fort Worth
30
287
Montgomery
University
377
183
820
35
820

Campus Phone Numbers

Main Number	817-735-2000
Metro	429-9120
Administration	2555
Job Line	2675
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Departments	**817-735-Extension**
Accounting	2530
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Institute for Public Health Research	2323
North Texas Eye Institute	2045
Institute for Cancer Research	2113
Physical Medicine Institute	2461

Toll Free Numbers	
Alumni Office	800-687-7580
Financial Aid	800-346-8266
Graduate School of Biomedical Sciences	800-511-4723
Library	800-687-5302
Pathology/DNA	800-687-5301
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TCOM Admission	800-535-8266

Frequently Called Numbers	
University of North Texas - Denton	
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Index

School of Public Health

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