NURS 795 **3 credits**
Research Utilization Project
Identify a clinically based problem in area of nursing practice. Evaluate extent current practice deviates from research based practice. Design, implement and systematically evaluate a research-based innovation project. May be repeated, but only six credits may be applied to the student's program. S/F grading only. Prerequisites: NURS 706, 707.

NURS 796 **1 credit**
Capstone Seminar II
Capstone seminar II provides students with the opportunity to complete the development of the graduate program capstone project initiated in seminar I. The final written project will be submitted for grading, and the project will be presented orally to the student's advising committee and any interested parties. Prerequisite: NURS 766.

NURS 797 (Formerly NURS 798) **1-3 credits**
Dissertation
Research analysis and writing toward completion of dissertation and subsequent defense. Only six credits apply to program requirements. Enrollment must be continuous. S/F grading only. Prerequisites: Enrollment in nursing doctoral program and consent of instructor.

NURS 798 (Formerly NURS 797) **1-3 credits**
Independent Study
Graduate seminar focusing on current developments in nursing practice. Topics vary each semester. Prerequisites: Admission to graduate program and consent of instructor.

NURS 799 **3 credits**
Thesis
May be repeated, but only six credits may be applied to the student's program. S/F grading only. Prerequisites: NURS 706, 707.

The following courses have been approved for graduate credit. Full descriptions of these courses may be found in the UNLV *Undergraduate Catalog* under the corresponding 400 number.

NURS 622 AIDS: An Interdisciplinary Perspective
NURS 654 Introduction to Forensic Nursing
NURS 675 Nursing Systems Management
NURS 676 Introduction to Nursing Case Management
NURS 677 Nursing Case Management Systems

School of Public Health

The School of Public Health is committed to preparing students to meet the critical need for public health professionals in Nevada, the nation, and the world. We provide an excellent program with a variety of areas for concentration and the opportunity for applied research**.** The School of Public Health has a special interest in community-based participatory research.

The School of Public Health consists ofthe following departments:

Environmental and Occupational Health
Health Care Administration
Health Promotion

Founding Dean

Guinan, Mary (2004) Professor of Epidemiology and Community Health; M.D., Johns Hopkins University; Ph.D., University of Texas.

Graduate Coordinator

Stetzenbach, Linda (2005) Professor of Environmental and Occupational Health; B.S.,M.S., Ph.D., University of Arizona.

Graduate Faculty

Bungum, Timothy (2001) Associate Professor of Biostatistics and Epidemiology; B.A. Luther College; M.S., D.P.H University of South Carolina.

Chino, Michelle (2000) Associate Professor of Environmental and Occupational Health, B.S., M.S., Ph.D. University of New Mexico.

Cochran, Christopher (1997) Associate Professor of Health Care Administration and Policy; B.A. University of Texas, El Paso; M.PA., Ph.D. University of South Carolina.

Cross, Chad (2005) Associate Professor of Biostatistics and Epidemiology; B.S., Purdue University, M.S., Ph.D. Old Dominion University.

Gerstenberger, Shawn (1997) Associate Professor and Chair of Environmental and Occupational Health; B.S. University of Wisconsin-Platteville; M.S., Ph.D. University of Illinois.

Ginn, Gregory (2000) Associate Professor of Health Care Administration and Policy; B.A., M.Ed., MBA, Ph.D. University of Texas, Austin.

Henry, Jean (1998) Associate Professor of Health Promotion; B.S. Texas A&M University; M.A. Michigan State University; Ph.D. Texas Women's University.

McNab, Warren (1979) Professor of Health Promotion; B.S., M.S. Mankato State University; Ph.D. Southern Illinois University.

Moonie, Sheniz (2006) Assistant Professor of Biostatistics and Epidemiology, BS University of California San Diego, MS California Polytechnic University, Pomona, PhD Saint Louis University

Moseley, Charles (1991) Associate Professor and Chair of Health Care Administration and Policy; Ph.D. Virginia Commonwealth University.

Regin, Charles (1987) Assistant Professor of Health Promotion, B.S., M.S. University of Wisconsin-La Crosse; Ph.D. Southern Illinois University.

Shen, Jie (2006) Associate Professor and Chair of Health Care Administration and Policy; Ph.D. Virginia Commonwealth University.

Thompson-Robinson, Melva (2004) Associate Professor of Health Promotion, B.S. University of Michigan, M.S. Ohio University, D.P.H. University of South Carolina.

UNLV School of Public Health Affiliated Centers, Institutes and Programs
American Indian Research and Education Center
Nevada Institute for Children's Research and Policy
Center for Health Promotion
Center of Excellence for Women's Health Issues
Institute for Security Studies
e-Records and Healthcare Informatics
e-Medical Technology and e-Health Programs
Center for Health Disparities Research

Master of Public Health (MPH)
The Master of Public Health Degree Program is designed to prepare students to be public health professionals in the private and public sectors with the overall goal of promoting and protecting the health of individuals in our society. The Master of Public Health degree (MPH) is comprised of an 18-credit required core for every student. The 18 credits represent the four primary areas of specialty offered in Public Health programs, plus one additional course entitled Fundamentals of Public Health. The four specialty areas include: (1) Health Promotion, (2) Environmental and Occupational Health, (3) Health Care Administration and Policy, and (4) Biostatistics and Epidemiology. In addition to the core courses, each student will select an 18-credit concentration area from one of the four aforementioned concentrations. All candidates will finish their MPH degree with a 3-6 credit capstone project resulting in a 39-credit degree program.

Educational Objectives
The purpose of the MPH Program is to prepare individuals to become effective health care practitioners, researchers and teachers who will competently identify public health problems and needs, develop effective strategies to address those needs, and promote appropriate services to be available for the protection of human health.

At a minimum, the following criteria should be met to assure each student a) develops an understanding of the areas of knowledge that are basic to public health, b) acquires skills and experience in the application of basic public health concepts and of specialty knowledge to the solution of community health problems, and c) demonstrates integration of knowledge through a capstone experience.

MPH Core Courses (18 credits)

HED 710	Fundamentals of Public Health	3 cr
EOH 740	Fundamentals of Environmental Health	3 cr
HED 725	Epidemiology and Public Health	3 cr
HCA 701	Survey of US Health Care Systems	3 cr
HED 705	Theoretical Foundations in Health Promotion	3 cr
EAB 703	Biostatistical Methods for the Health Sciences	3 cr

Concentration in Health Promotion (18 credits)
Students are required to take the following courses (15 credits):

HED 700	Current Issues in Health Promotion	3 cr
HED 715	Health Program Evaluation	3 cr
HED 720	Program Planning and Grant Writing	3 cr
HED 735	Practical App. in Health Promotion	3 cr
EAB 700	Research Methods	
OR		
EPY 702	Research Methods	3 cr

Students can select one course from the following list of courses (3 credits):

HED 607	Stress Management	3 cr
HED 627	Methods in Health Education	3 cr
HED 629	Education for Sexuality	3 cr
HED 630	Nutrition	3 cr
HED 635	Health Studies of Dangerous Drugs	3 cr
HED 760	Tech. Tools for Health Promotion	3 cr
OR		
An advisor approved course from the pool of university-approved graduate level courses.		3 cr

And must also complete a Capstone Project (3 credits):

HED 750	Graduate Project in Health Promotion	3 cr

Concentration in Environmental and Occupational Health (18 credits):
Students are required to take the following courses (9 credits):

EOH 601	Environmental Toxicology	3 cr
EOH 711	Historical Perspectives in Public Health	3 cr

And complete three additional courses (9 credits) from the following:

EOH 702	Community Based Participatory Research	3 cr
EOH 709	Scientific Technical Writing	3 cr
EOH 705	Social Epidemiology	3 cr
EOH 713	Public Health Law	3 cr
EOH 715	Qualitative Methods	3 cr
EOH/ EAB 716	Epidemiology of Obesity	3 cr
EOH 732	Children, Development, Health and the Environment	3 cr
EOH 747	Transmissions of Infectious Diseases	3 cr
EOH 757	Parasitology and Public Health	3 cr
EOH 760	Racial and Ethnic Disparities in Health	3 cr
EOH 765	Seminar in Environmental Justice and Public Health	3 cr
EOH 767	Bioaerosols and Human Health	3 cr
EOH 769	Advanced Pollution Ecology	3 cr
EOH 775	Injury Prevention and Control	3 cr

EOH 777	Emerging Infectious Diseases	3 cr
EOH 795	Special Topics in Environmental Health	3 cr
EOH 796	Independent Study in Environmental Health	3 cr
HPS 680	Industrial Hygiene I	3 cr
HPS 781	Industrial Hygiene II	3 cr

OR

Other advisor approved courses from EOH or EAB, or from the pool of university-approved graduate level courses. TBA 3-9 cr

And must also complete a Capstone Project (3-6 credits), students must receive prior approval from their committee before registering for any capstone experiences:

EOH 793	Internship in Environmental Health	3 cr
EOH 794	Professional Paper in Environmental Health	3 cr
EOH 798	Thesis	6 cr

Concentration in Health Care Administration and Policy (18credits):

Students are required to take the following courses (15 credits):

HCA 703	Management of Health Care Organizations and Systems	3 cr
HCA 705	Health Care Finance and Accounting I	3 cr
HCA 706	Health Services Planning and Marketing	3 cr
HCA 707	Quantitative Methods in Health Services Management	3 cr
HCA 708	Information Systems in Health Services Management	3 cr

And complete one additional course (3 credits) from the following:

HCA 704	Health Care Economics	3 cr
HCA 711	Health Care Finance II	3 cr
HCA 652	Health Politics and Policy	3 cr
HCA 761	Health Care Law for Administrators	3 cr
HCA 680	Organization and Management of Long-Term Care Services	3 cr

OR

Other advisor approved courses from the pool of university-approved graduate level courses. XXX 3 cr

And must also complete a Capstone Project (3 credits):

HCA 709	Graduate Project in Health Care Administration	3cr

Concentration in Biostatistics *or* Epidemiology (18 credits):

Epidemiology: Students are required to take the following courses (15 credits):

EAB 700	Research Methods	3 cr
EAB 705	Social Epidemiology	3 cr
EAB 715	Chronic Disease Epidemiology	3 cr
EAB 725	Infectious Disease Epidemiology	3 cr

Students can select from one of the following (3 credits):

EAB 713	Public Health Law	
EAB 720	Grant Writing in Epidem. & Biostat.	3 cr
EAB 795	Special Topics in Epidem. & Biostat.	3 cr
EAB 796	Ind. Study in Epidem. & Biostat.	3 cr
EAB XXX	Public Health Surveillance	3 cr

And must also complete a Capstone Project (3-6 credits), students must receive prior approval from their committee before registering for any capstone experiences:

EAB 793	Internship in Epidem. & Biostat.	3 cr
EAB 794	Professional Paper	3 cr
EAB 798	Thesis	6 cr

Biostatistics: Students are required to take the following courses (15 credits):

EAB 700	Research Methods	
EAB 743	Experimental Design	3 cr
EAB 753	Non-parametric Statistics	3 cr
EAB 763	Linear Statistical Models	3 cr
EAB 783	Multivariate Statistics	3cr

Students can select from one of the following (3 credits):

EAB 720	Grant Writing in Epidem. & Biostat.	3 cr
EAB 733	Survey Sampling	
EAB 795	Special Topics in Epidem. & Biostat.	3 cr
EAB 796	Ind. Study in Epidem. & Biostat.	3 cr

And must also complete a Capstone Project (3-6 credits), students must receive prior approval from their committee before registering for any capstone experiences:

EAB 793	Internship in Epidem. And Biostat.	3 cr
EAB 794	Professional Paper	3 cr
EAB 798	Thesis	6 cr

Admissions Requirements for the MPH

To be considered for admission to the MPH, an applicant must:

1. Hold a bachelor's degree or recognized equivalent from a regionally accredited institution and have adequate preparation in the biological, physical, or social sciences. A criterion for admission is at least a B (3.0) grade-point average or the equivalent in work completed after the first two years of a bachelor's degree program and in all post-baccalaureate course work. An applicant who does not meet this academic criterion may request special consideration.
2. Completion of the school's application
3. Submit a personal essay describing what you perceive to be pressing public health issues, why a career in the field appeals to you, and how it will use your strengths and commitment
4. Three letters of recommendation
5. Satisfactory score on the Test of English as a Foreign Language (TOEFL) is required for applicants whose first language is not English
6. Official copies of all transcripts sent to the Graduate College and the School of Public Health

Graduation requirements

All students are required to complete six core courses including (18 credits): Biostatistics, Epidemiology, Fundamentals of Environmental and Occupational Health, Theoretical Principals of Health Promotion, Survey of U.S. Health Care Systems, and Fundamentals of Public Health. Additionally, all students are required to complete a Capstone Project. The Capstone Project requirement may be fulfilled by a professional paper, thesis, or comprehensive examination. Students will also be required to take six courses (18 credits) in a concentration area and complete a capstone experience (3 credits). The total program of study is 39 credits. By special permission, a candidate may be authorized to present a thesis instead of 6 of the 39 units required. A student must have at least a B (3.0) grade point average in all graduate work in order to graduate.

A student may also choose to complete a comprehensive final examination given by the faculty of the student's area, instead of a final project. The MPH degree will be awarded only when all these requirements are met.

Epidemiology and Biostatistics

EAB 700 **3 credits**
Research Methods for Public Health
Provides a foundation in research methodology for public health professionals. Topics include basic sampling and experimental designs, quantitative and qualitative methods in research, mathematical and economic models in research, and multidisciplinary approaches to designing research programs. Prerequisites: EAB 703 or consent of instructor.

EAB 703 **3 credits**
Biostatistical Methods for the Health Sciences
Designed to provide a foundation in biostatistics for graduate students in the health sciences. Topics include probability, distributions, estimation, hypothesis testing, ANOVA, simple and multiple regression, vital statistics, and nonparametric methods. Prerequisites: Undergraduate mathematics through calculus, comparable graduate coursework, or consent of instructor.

EAB 715 **3 credits**
Chronic Disease Epidemiology
Surveys the major chronic diseases with an emphasis on recent epidemiological research and findings, demographic and populations aspects of chronic illness, causation and risk factors, prevention, and control. Prerequisites: HED 725 or consent of instructor.

EAB 720 **3 credits**
Grant Writing for Epidemiology and Public Health Research
Covers the process of designing competitive research grant proposals from conceptualization to grant management. Prerequisites: Core epidemiology class, research methods.

EAB 725 **3 credits**
Epidemiology of Infectious Diseases
Introduces the basic concepts in infectious disease epidemiology. Students develop a basic conceptual understanding and analytic skills in the investigation and control of infectious diseases in human populations. Students describe the most common infectious diseases, including their transmission, pathogenesis, treatment, prevention, and control. Prerequisites: Admission to the School of Public Health or consent of instructor.

EAB 733 **3 credits**
Survey Sampling for the Health Sciences
Introduces the basics of sampling theory and application in the health sciences. Several popular designs will be covered in depth. Other topics include sources of error in sampling, design of surveys, and population size determination. Prerequisites: EAB 703 or consent of instructor.

EAB 743 **3 credits**
Experimental Design for the Health Sciences
Provides thorough coverage of experimental design for student in the health sciences. Topics include single factor designs, factorial experiments, within-factor designs, nested designs, analysis of trend, and general linear models. Prerequisites: EAB 703 or consent of instructor.

EAB 753 **3 credits**
Nonparametric Statistics for Public Health
Designed to provide a strong foundation in nonparametric statistical methods commonly used in public health. Topics explored in the course include ranked data, transformation of ranks, methods for paired and independent samples, nonparametric regression and correlation, categorical data analysis, and robust estimation. Prerequisite: Graduate level biostatistics.

EAB 763 **3 credits**
Linear Statistical Models
Explores the foundations and applications of linear statistical models. Applications include simple, multivariate, and logistic regression; time series analysis; single -/multiple-factor ANOVA; random and mixed effects models; and ANCOVA. Several experimental designs will also be explored. Prerequisite: Graduate level biostatistics.

EAB 773 **3 credits**
Survival Analysis for Public Health
Explores the broad area of survival analysis for analyzing data derived from laboratory, clinical, and epidemiological studies. Methods explored in this course include survival functions, data censoring, hazard models, regression models, and parametric/nonparametric methods for comparing survival models. Prerequisites: EAB 753 and EAB 763.

EAB 783 **3 credits**
Multivariate Methods for the Health Sciences
Provides an in-depth coverage of common multivariate methods. Topics include multivariate correlation and regression, multivariate ANOVA, logistic regression, factor analysis, time series analysis, and principle component analysis. Emphasis placed on application of techniques useful for students in the health sciences. Prerequisites: EAB 773 or consent of instructor.

EAB 793 **1-3 credits**
Internship in Epidemiology and Biostatistics
Capstone experiences for the MPH degree and is intended to provide students with applied work experience in a local agency, organization, center or institute. May be repeated to a maximum of six credits. Prerequisites: Admission to the School of Public Health or consent of instructor.

EAB 794 **3 credits**
Professional Paper in Epidemiology and Biostatistics
Provides the opportunity for a graduate degree candidate to be involved in an in-depth project. A formal paper and presentation describing the project culminate this experience. May be repeated to a maximum of six credits. Prerequisites: Admission to the School of Public Health or consent of instructor.

EAB 795 **1-3 credits**
Special Topics in Epidemiolog and Biostatistics
Selected topic of current interest in epidemiology and biostatistics. May be repeated to a maximum of six credits. Prerequisites: Admission to the School of Public Health or consent of instructor.

EAB 796 **1-3 credits**
Independent Study in Epidemiology and Biostatistics
Independent study of a selected topic in Epidemiology or Biostatistics. Prerequisites: Admission to the School of Public Health or consent of instructor.

EAB 798 **1-6 credits**
Thesis Research in Epidemiology and Biostatistics
May be repeated, but a maximum of six credits will apply towards the student's degree program.

Environmental and Occupational Health

Chair

Gerstenberger, Shawn (1997) Associate Professor and Chair of Environmental and Occupational Health; B.S. University of Wisconsin-Platteville; M.S., PhD. University of Illinois.

Graduate Faculty

Bungum, Timothy (2001) Associate Professor of Biostatistics and Epidemiology; B.A. Luther College; M.S., DPH University of South Carolina.

Chino, Michelle (2000) Associate Professor of Environmental and Occupational Health, B.S., M.S., PhD. University of New Mexico.

Cross, Chad (2005) Associate Professor of Biostatistics and Epidemiology; B.S., Purdue University; M.S., PhD. Old Dominion University.

Moonie, Sheniz (2006) Assistant Professor of Biostatistics and Epidemiology, BS University of California San Diego; MS California Polytechnic University, Pomona; PhD Saint Louis University

Stetzenbach, Linda (2005) Professor of Environmental and Occupational Health; B.S., M.S., PhD. University of Arizona.

Environmental and Occupational Health MPH Concentration.

The mission of the Department of Environmental and Occupational Health is to advance the health of all people in the United States and around the world through research and training in environmental health. The department emphasizes the role of air, water, the home environment, and the workplace as critical determinants of health.

Curriculum

The curriculum for the concentration in Environmental and Occupational Health consists of the following:

MPH Core Courses (18 credits)

EOH 710	Fundamentals of Public Health	3 cr
EOH 740	Fundamentals of Environmental Health	3 cr
EAB 725	Epidemiology and Public Health	3 cr
HCA 701	Survey of US Health Care Systems	3 cr
HED 705	Theoretical Foundations in Health Promotion	3 cr
EAB 703	Biostatistical Methods for the Health Sciences	3 cr

Environmental and Occupational Health Requirements (18 credits):
Students are required to take the following courses (9 credits):

EOH 601	Environmental Toxicology	3 cr
EOH 711	Historical Perspectives in Public Health	3 cr