

# GLOBAL AND COMMUNITY HEALTH (GCH)

## 200 Level Courses

### GCH 205: *Global Health*. 3 credits.

This course examines the biological and social aspects of major international health issues, especially in the areas of infectious disease, nutrition, and environmental health. Other topics include population groups with special risks, policies and programs designed to reduce health inequalities, and basic methods used to study global health. Offered by Global and Community Health. May not be repeated for credit.

**Mason Core:** Global Understanding

**Schedule Type:** Lecture

## 300 Level Courses

### GCH 300: *Introduction to Public Health*. 3 credits.

Explores the principles and foundations of public health and its practice in the United States. Emphasizes the public health system's contributions to improving individual, community, and population health. Offered by Global and Community Health. May not be repeated for credit.

**Schedule Type:** Lecture

### GCH 310: *Health Behavior Theories*. 3 credits.

Examines theory for understanding health and health behaviors and their role in the development, implementation, and evaluation of public health programs. Offered by Global and Community Health. May not be repeated for credit.

**Schedule Type:** Lecture

### GCH 320: *Community Health and Literature*. 3 credits.

This on-line course explores key historical worldwide public health events and humankind's responses to them, through in-depth study of selected literary works. The course includes investigation of scientific, social, cultural, geographical, and political factors that affect health and policy development on local, community and global levels. Offered by Global and Community Health. May not be repeated for credit.

**Schedule Type:** Lecture

### GCH 325: *Stress and Well-Being*. 3 credits.

Explores the influences of stress on population-based health issues. The causes and pathways of the stress experience are explored from an ecological public health perspective. Theoretical aspects of stress and coping are considered, along with methods for relieving and preventing the stress response in both individuals and communities. Offered by Global and Community Health. May not be repeated for credit.

**Mason Core:** Social/Behavioral Sciences

**Schedule Type:** Lecture

### GCH 332: *Health and Disease*. 3 credits.

Introduces the etiology, control, and prevention of human disorders from a public health perspective. Focuses on health problems and potential prevention throughout the life span. Offered by Global and Community Health. May not be repeated for credit. Equivalent to NURS 332.

**Schedule Type:** Lecture

### GCH 335: *Applied Health Statistics*. 3 credits.

Emphasizes the statistical concepts and procedures used in applied public health practice and research. Students will learn to use SPSS to analyze, interpret, and present statistical findings. Offered by Global and Community Health. May not be repeated for credit. Equivalent to GCH 435.

**Recommended Prerequisite:** Any Mason Core quantitative reasoning course.

**Schedule Type:** Lecture

### GCH 350: *Health Promotion and Education*. 3 credits.

Introduces the principles of health promotion and education, including history; philosophical and theoretical foundations; professional preparation, ethics, and responsibilities; and work settings. Assessment of health information/sources and the development of effective health promotion and education strategies for diverse populations are emphasized. Offered by Global and Community Health. May not be repeated for credit.

**Schedule Type:** Lecture

### GCH 360: *Health and Environment*. 3 credits.

Examines principles and methods, risk factors, prevention and control, and policies related to the aspects of human health determined by biological, physical, and chemical factors in the environment at the local, regional, and global levels. Offered by Global and Community Health. May not be repeated for credit.

**Schedule Type:** Lecture

### GCH 370: *Sexuality and Human Behavior*. 3 credits.

Introduction to human sexual behavior with an emphasis on the interaction between psychological, social, and biological factors. Topics include sexual differentiation and development, sexually transmitted infections and HIV, sexual orientation, patterns of sexual behavior, and the sexual health of individuals, communities, and global populations. Offered by Global and Community Health. May not be repeated for credit.

**Schedule Type:** Lecture

### GCH 376: *Health Ethics, Leadership, and Advocacy*. 3 credits.

Examines legal and ethical issues in public health practice and the skills necessary for effective leadership. Includes personal and organizational ethics, management and leadership styles, and public health advocacy. Offered by Global and Community Health. May not be repeated for credit.

**Recommended Prerequisite:** GCH 350.

**Schedule Type:** Lecture

### GCH 380: *Public Health Research Methods*. 3 credits.

Emphasizes the formation of public health research questions and selection of appropriate study designs to address them. Offered by Global and Community Health. May not be repeated for credit. Equivalent to GCH 460.

**Specialized Designation:** Scholarly Inquiry

**Registration Restrictions:**

**Required Prerequisite:** GCH 300<sup>C</sup>.

<sup>C</sup> Requires minimum grade of C.

**Schedule Type:** Lecture

## 400 Level Courses

**GCH 405: *Global Health Interventions: History and Systems*.** 3 credits.  
Examines the history, development, and implementation of international health policies and programs, with an emphasis on maternal and child health, undernutrition, and infectious diseases. Offered by Global and Community Health. May not be repeated for credit.

**Recommended Prerequisite:** GCH 205

**Schedule Type:** Lecture

**GCH 406: *Global Health Interventions: Emerging Issues*.** 3 credits.  
Examines strategies for addressing emerging global health issues, with an emphasis on noncommunicable diseases, aging, mental health, and injuries. Offered by Global and Community Health. May not be repeated for credit.

**Recommended Prerequisite:** GCH 205.

**Schedule Type:** Lecture

**GCH 411: *Health Program Planning and Evaluation*.** 3 credits.  
Addresses planning, implementation and evaluation of highly effective health programs. Emphasis is placed on using evidence-based approaches to program design and evaluation and working productively with communities. Offered by Global and Community Health. May not be repeated for credit.

**Specialized Designation:** Writing Intensive in the Major

**Registration Restrictions:**

**Required Prerequisites:** GCH 310<sup>C</sup> and 380<sup>C</sup>.

<sup>C</sup> Requires minimum grade of C.

**Schedule Type:** Lecture

**GCH 412: *Fundamentals of Epidemiology*.** 3 credits.  
Explores health research methods for measuring population health, designing and implementing observational and experimental studies, reading health science publications, and applying research findings to global and community health. Notes: Open only to students in the Community Health major (HH-BS-COMH) or Public Health minor (PUBH). Offered by Global and Community Health. May not be repeated for credit.

**Recommended Prerequisite:** One of the following: GCH 335, STAT 250, BIOL 214, OM 210, PSYC 300, or SOCI 313.

**Registration Restrictions:**

Enrollment is limited to students with a major, minor, or concentration in Community Health or Public Health.

**Schedule Type:** Lecture

**GCH 430: *Community Health Systems and Agencies*.** 3 credits.  
Introduces students to local, state, and national community health systems and agencies. Topics include the historical impact of community health systems and agencies, the influence of health advocacy groups; the relationship between human rights and health; and the need for collaboration between groups advocating for optimum human health. Offered by Global and Community Health. May not be repeated for credit.

**Recommended Corequisite:** GCH 411.

**Schedule Type:** Lecture

**GCH 445: *Social Determinants of Health*.** 3 credits.  
Examine the social determinants of health and the application of this framework to social work and public health policy and practice interventions. Explore the many social justice factors that affect health and consider which community systems and social change approaches may decrease or eliminate health inequities. Offered by Global and Community Health. May not be repeated for credit. Equivalent to SOCW 445.

**Recommended Prerequisite:** 45 credits or permission of the instructor.

**Schedule Type:** Lecture

**GCH 450: *Culture, Sexuality and the Global AIDS Epidemic*.** 3 credits.  
Examines how the cultural values and mores regarding sexuality shape HIV/AIDS social policy and how these values and mores facilitate and hinder prevention and care efforts. Also examines several sexuality-related topics that interface with culture (e.g., gender, the sex industry, homosexuality) and the effectiveness of prevention and care initiatives around such issues as condom use, blood donation restrictions, immigration laws, sex education, and HIV testing. Offered by Global and Community Health. May not be repeated for credit.

**Schedule Type:** Lecture

**GCH 462: *Health Promotion across the Lifespan*.** 3 credits.  
Addresses health maintenance issues in humans from birth to death, emphasizing prevention. Compares and contrasts prevention of acute and chronic illnesses. Analyzes health communication approaches for effective translation of evidence-based. Offered by Global and Community Health. May not be repeated for credit.

**Recommended Prerequisite:** GCH 332 GCH 350

**Schedule Type:** Lecture

**GCH 465: *Community Health Capstone*.** 3 credits.  
Assists students in synthesizing their roles as community health professionals in a global society. Provides students with opportunities to examine issues in community health. Course content builds on knowledge and skills acquired through coursework and field experience. Student writings and presentations receive written self-evaluation as well as formal review by peers and multiple faculty members. Offered by Global and Community Health. May not be repeated for credit.

**Mason Core:** Capstone

**Specialized Designation:** Writing Intensive in the Major

**Registration Restrictions:**

**Required Prerequisite:** GCH 380<sup>C</sup>.

<sup>C</sup> Requires minimum grade of C.

**Schedule Type:** Lecture

**GCH 480: *Health Maintenance and Health Aspects of Aging*.** 3 credits.  
Studies physiological and psychological factors that influence health and have implications for preventive measures in disease and health disorders. Examines nutrition, nature of health problems, and methods of assessing physical and psychological needs. Offered by Global and Community Health. May not be repeated for credit.

**Schedule Type:** Lecture

**GCH 491:** *Study Abroad in Public Health*. 3 credits.

Study abroad under supervision of George Mason University faculty. Course topics, content and locations vary. Offered by Global and Community Health. May be repeated within the degree for a maximum 6 credits.

**Schedule Type:** Lecture

**GCH 494:** *Special Topics in Global and Community Health*. 3 credits.

Selected topics analyzing specialized areas in global and community health. Notes: Content varies. Lecture, seminar, laboratory, workshops. Offered by Global and Community Health. May be repeated within the term for a maximum 12 credits.

**Schedule Type:** Lecture

**GCH 496:** *Violence in Today's Society*. 3 credits.

Examines magnitude of problem of violence globally and more specifically within the United States. Discussion and reflective activities engage students in the learning process. Offered by Global and Community Health. May not be repeated for credit. Equivalent to NURS 496.

**Schedule Type:** Lecture

**GCH 497:** *Pre-Internship Seminar*. 1 credit.

Prepares students for future professional roles including the GCH 498 internship. The coursework will include resume and cover letter writing, interviewing skills, networking, communications, professionalism, job search strategies, and relationship dynamics in the workplace. Students will select and prepare for a possible GCH internship. Notes: This course must be completed with a grade of B or better in order to be considered for enrollment in GCH 498 Community Health Internship. Offered by Global and Community Health. May not be repeated for credit.

**Recommended Prerequisite:** GCH 300 and completion of 60 credit hours, or instructor's permission.

**Schedule Type:** Lecture

**GCH 498:** *Global and Community Health Internship*. 3,6 credits.

Provides advanced students with the opportunity to apply community health knowledge while working under the supervision of a community health preceptor in a local health organization. Students submit an application to the GCH internship coordinator the semester prior to enrollment for review. Students who have demonstrated academic excellence will receive priority internship placement. Notes: A criminal background check and proof of vaccination status may be required of students prior to beginning an internship. This course provides experiential learning in a community health organization under the direction of a faculty advisor and a preceptor in the community health organization. Students are expected to understand the roles and functions of the community health organization and complete a project approved by the faculty advisor and the preceptor. Offered by Global and Community Health. May be repeated within the degree for a maximum 6 credits.

**Recommended Corequisite:** GCH 497 with B or better.

**Schedule Type:** Internship

**GCH 499:** *Independent Study in Global and Community Health*. 1-6 credits.

Provides individual study of a particular problem area in global and community health research, theory development, or education under the

direction of faculty. Offered by Global and Community Health. May be repeated within the term for a maximum 6 credits.

**Schedule Type:** Independent Study

## 500 Level Courses

**GCH 515:** *Lesbian, Gay, Bisexual, Transgender, and Queer Health*. 3 credits.

Examines health status and health disparities among lesbian, gay, bisexual, transgender, and queer (LGBTQ) communities across the lifespan. Measurement and methodological considerations in LGBTQ health research, as well as health-related interventions targeting LGBTQ populations will be emphasized. Notes: Offered every other year. Upper level undergraduates interested in taking this course are encouraged to contact the instructor. Offered by Global and Community Health. May not be repeated for credit.

**Registration Restrictions:**

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Non Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Seminar

**GCH 543:** *Global Health*. 3 credits.

Examines the major infectious, nutritional, noncommunicable, neuropsychiatric, and other causes of morbidity, mortality, and disability in each world region. Explores sociocultural, economic, political, biological, and environmental factors that contribute to global and community health. Notes: Lecture, discussion. Offered by Global and Community Health. May not be repeated for credit.

**Registration Restrictions:**

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Non Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Lecture

**GCH 560:** *Environmental Health*. 3 credits.

Examines principles and methods, risk factors, prevention and control, and policies related to the aspects of human health determined by biological, physical, and chemical factors in the environment at the local, regional, and global levels. Offered by Global and Community Health. May not be repeated for credit.

**Specialized Designation:** Green Leaf Course

**Registration Restrictions:**

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Non Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Seminar

**GCH 565: Public Health Toxicology.** 3 credits.

Focuses on the general mechanisms of toxicity and direct and indirect effects of major environmental and occupational agents. Considers the genetic, physiologic, and psychosocial factors that affect susceptibility to adverse health outcomes associated with environmental or occupational hazard exposure. Offered by Global and Community Health. May not be repeated for credit.

**Registration Restrictions:**

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Non Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Seminar

**GCH 571: HIV/AIDS: Concepts, Principles, and Interventions.** 3 credits.

Overview of HIV disease, including retrospective and current concepts and analyses, global and societal effect, and cutting-edge research. Examines development of therapeutic tools and skills to educate, reduce risks, control infection, and affect care and healing of client, family, and community, and issues of increasing dilemma for health care professionals. Offered by Global and Community Health. May not be repeated for credit. Equivalent to NURS 571.

**Registration Restrictions:**

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Non Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Lecture

**GCH 591: Study Abroad in Public Health.** 3 credits.

Study abroad under supervision of George Mason University faculty. Course topics, content and locations vary. Offered by Global and Community Health. May be repeated within the degree for a maximum 6 credits.

**Registration Restrictions:**

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Non Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Lecture

**GCH 594: Special Topics in Global and Community Health.** 3 credits.

Selected topics analyzing specialized areas in health care. Notes: Content varies. Lecture, seminar, laboratory, and workshops. Offered by Global and Community Health. May be repeated within the degree for a maximum 6 credits. Equivalent to HAP 594, NURS 594.

**Registration Restrictions:**

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Non Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Lecture

## 600 Level Courses

**GCH 600: Health Promotion Methods.** 3 credits.

Fundamental principles and practices of public health promotion and education, including historical origins; professional responsibilities; ethics; health behavior and learning theories; models for planning, implementing and evaluating programs; health literacy; public health advocacy; and the development, selection and implementation of effective instructional materials, methods, and interventions. Offered by Global and Community Health. May not be repeated for credit.

**Registration Restrictions:**

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Non Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Lecture

**GCH 601: Introduction to Biostatistics.** 3 credits.

Applies selected biostatistics techniques to public health and health system management issues. Includes univariate and bivariate statistics, and regression analysis. Offered by Global and Community Health. May not be repeated for credit.

**Registration Restrictions:**

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Non Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Lecture

**GCH 602: Global Health Issues Related to Violence.** 3 credits.

Explores worldwide view of violence and its impact on health. Examines biological, psychological, and social determinants of violence. The epidemiology of violence is examined with special attention to collective violence, youth violence, abuse and neglect of children and the elderly, intimate partners, sexual violence, self-directed violence, and transgenerational violence. Preventive approaches attempted to help reduce the prevalence of violence will be addressed. Notes: GCH 602 will be offered in the spring of odd years. Offered by Global and Community Health. May not be repeated for credit.

**Recommended Prerequisite:** Admission to a graduate program or permission of instructor.

**Registration Restrictions:**

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Non Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Lecture

**GCH 607:** *Evidence-Based Public Health Practice*. 3 credits.

Examines strategies for implementing evidence-based approaches in public health practice by applying principles of scientific reasoning and the systematic use of data. Offered by Global and Community Health. May not be repeated for credit.

**Registration Restrictions:**

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Non Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Lecture

**GCH 609:** *Community Assessment and Partnerships*. 3 credits.

Examines strategies for conducting community assessments using community-based participatory approaches to identify factors affecting the health and well-being of population and community health. Offered by Global and Community Health. May not be repeated for credit.

**Registration Restrictions:**

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Non Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Lecture

**GCH 610:** *Health Behavior Theory*. 3 credits.

Introduces students to the fundamentals of social and behavioral sciences, emphasizing current health behavior theories and models. Students develop an understanding of the theoretical and scientific basis of health promotion/health education interventions and develop community need and asset assessment skills. Offered by Global and Community Health. May not be repeated for credit.

**Registration Restrictions:**

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Non Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Lecture

**GCH 611:** *Health Program Planning and Evaluation*. 3 credits.

Addresses the process of program planning, development, and fundamental evaluation principles, emphasizing health promotion programs. The focus is on development of clear and concise objectives leading to the design of effective primary, secondary, and tertiary prevention strategies. Offered by Global and Community Health. May not be repeated for credit.

**Registration Restrictions:**

**Required Prerequisite:** GCH 600<sup>B</sup>.

<sup>B</sup> Requires minimum grade of B-.

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Non Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Lecture

**GCH 612:** *Interventions in Public Health*. 3 credits.

Application of intervention mapping to the design of theory-based interventions for target populations; collaboration with communities to design and implement interventions; selection of evidence-based interventions (EBIs); adaptation of EBIs for new populations; dissemination of EBIs; and cultural and ethical issues related to intervention development, implementation, evaluation, and sustainability. Notes: There are no prerequisites for the course. Students may find completion of GCH 600 or GCH 610 to be beneficial preparation for the course. Offered by Global and Community Health. May not be repeated for credit.

**Registration Restrictions:**

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Non Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Lecture

**GCH 618:** *Environmental and Occupational Risk Assessment*. 3 credits.

Focuses on how environmental and occupational health risks are identified and quantitatively characterized. Introduces risk communication strategies for technical and non-technical audiences. Introduces students to the development of testable models of chemical exposure. Offered by Global and Community Health. May not be repeated for credit.

**Recommended Corequisite:** GCH 560.

**Registration Restrictions:**

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Non Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Seminar

**GCH 622:** *Mental Health: A Global Perspective*. 3 credits.

An introduction to mental health and mental disorders; a critical view of national and international classification of disorders; an introduction to public health perspectives on mental health and mental disorders; and a review of cultural factors related to public health dilemmas and services, locally, regionally and in the global community, from a bio-psycho-social perspective. Offered by Global and Community Health. May not be repeated for credit.

**Registration Restrictions:**

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Non Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Lecture

**GCH 626: *Migrant Health*.** 3 credits.

Examines principles and methods for addressing the health concerns of migrant and mobile populations, including immigrants, refugees, asylum seekers, internal migrants, and internally displaced persons. Offered by Global and Community Health. May not be repeated for credit.

**Registration Restrictions:**

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Non Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Lecture

**GCH 628: *Refugee Health*.** 3 credits.

Intensive course aimed at addressing the specific health care problems and needs of refugees and internally displaced persons worldwide, the provision of basic health requirements for that population, and the coordination of care among the agencies concerned with them. Offered by Global and Community Health. May not be repeated for credit.

**Registration Restrictions:**

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Non Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Seminar

**GCH 640: *Global Infectious Diseases*.** 3 credits.

Examines principles and methods for the prevention and control of infectious and parasitic diseases of global importance, including malaria, HIV/AIDS, tuberculosis, influenza, helminthic infections, emerging infections, and others. Offered by Global and Community Health. May not be repeated for credit. Equivalent to GCH 722.

**Registration Restrictions:**

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Non Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Seminar

**GCH 645: *U.S. and Global Public Health Systems*.** 3 credits.

Examines the organization, financing, and delivery of health services for individuals and populations in the United States and across the globe.

Compares international health systems and policies. Offered by Global and Community Health. May not be repeated for credit.

**Registration Restrictions:**

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Non Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Lecture

**GCH 650: *Global Non-Communicable Diseases*.** 3 credits.

Examines principles and methods for the prevention and control of NCDs of global importance, including cardiovascular diseases, cancer, COPD, diabetes, dementias, and others. Offered by Global and Community Health. May not be repeated for credit.

**Registration Restrictions:**

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Non Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Lecture

**GCH 651: *Behavioral Research Methods*.** 3 credits.

Explores quantitative and qualitative research methods, principles and techniques necessary for implementation of health science research. Offered by Global and Community Health. May not be repeated for credit. Equivalent to RHBS 651.

**Recommended Corequisite:** GCH 601 or graduate course in applied statistics.

**Registration Restrictions:**

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Non Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Seminar

**GCH 690: *Independent Study*.** 1-3 credits.

In-depth studies of selected area of health science theory, research, or practice under direction of faculty. Offered by Global and Community Health. May be repeated within the degree for a maximum 6 credits.

**Registration Restrictions:**

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Non Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Research

**GCH 691: Project Management in Public Health.** 3 credits.

Course examines project management roles and environments, the project lifecycle and various techniques of work planning, and control and evaluation to achieve project objectives. Emphasizes leadership, communication, grant writing and ethics. Offered by Global and Community Health. May not be repeated for credit.

**Registration Restrictions:**

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Non Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Seminar

**700 Level Courses****GCH 712: Introduction to Epidemiology.** 3 credits.

Explores epidemiological methods for measuring population health, designing and implementing observational and experimental studies, critically reading the public health literature, and applying research findings to global and community health. Offered by Global and Community Health. May not be repeated for credit.

**Registration Restrictions:**

Enrollment is limited to Graduate or Non-Degree level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Lecture

**GCH 722: Infectious Disease Epidemiology.** 3 credits.

Focuses on the epidemiology of infectious and parasitic diseases. Emphasizes study design and data analysis to support the prevention and control of communicable diseases. Offered by Global and Community Health. May not be repeated for credit. Equivalent to GCH 640.

**Registration Restrictions:**

**Required Prerequisite:** GCH 712<sup>B-</sup>.

<sup>B-</sup> Requires minimum grade of B-.

Enrollment is limited to Graduate or Non-Degree level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Lecture

**GCH 726: Advanced Methods in Epidemiology.** 3 credits.

Develops epidemiological skills through the study and exploration of special topics in epidemiology. Focuses on epidemiological methods and analysis, critical review of the literature, and scientific writing. Offered by Global and Community Health. May not be repeated for credit.

**Registration Restrictions:**

**Required Prerequisites:** (GCH 712<sup>B-</sup> and 601<sup>B-</sup>).

<sup>B-</sup> Requires minimum grade of B-.

Enrollment is limited to Graduate or Non-Degree level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Seminar

**GCH 732: Chronic Disease Epidemiology.** 3 credits.

Focuses on the epidemiology of chronic diseases, including cancers, cardiovascular and lung diseases, and mental health disorders. Emphasizes study design, critical reading, and public health approaches to disease control, such as surveillance and screening. Offered by Global and Community Health. May not be repeated for credit.

**Registration Restrictions:**

**Required Prerequisite:** GCH 712<sup>B-</sup>.

<sup>B-</sup> Requires minimum grade of B-.

Enrollment is limited to Graduate or Non-Degree level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Seminar

**GCH 742: Behavioral Epidemiology.** 3 credits.

Focuses on applying epidemiological principles to the study of behavior and human health, emphasizing the role of behavior in public health, determinants of behavior, and research methods for studying health and disease in relation to behavior. Notes: Offered every other year. Offered by Global and Community Health. May not be repeated for credit.

**Registration Restrictions:**

**Required Prerequisite:** GCH 712<sup>B-</sup>.

<sup>B-</sup> Requires minimum grade of B-.

Enrollment is limited to Graduate or Non-Degree level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Seminar

**GCH 752: Nutritional Epidemiology.** 3 credits.

Focuses on the examination of the methodologies of dietary assessment and their application to design, conduct, analysis, and interpretation of epidemiologic studies related to nutrition. Introduces the practical application of nutritional epidemiology to health programs and policy. Notes: Offered every other year. Offered by Global and Community Health. May not be repeated for credit.

**Registration Restrictions:**

**Required Prerequisite:** GCH 712<sup>B-</sup>.

<sup>B-</sup> Requires minimum grade of B-.

Enrollment is limited to Graduate or Non-Degree level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Lecture

**GCH 762: Environmental Epidemiology.** 3 credits.

Focuses on applying epidemiological principles to the study of the environment exposures and human health, emphasizing research methods and data analysis, critical review of research, communication of research results, and applications to public health. Offered by Global and Community Health. May not be repeated for credit.

**Registration Restrictions:**

**Required Prerequisite:** GCH 712<sup>B-</sup>.

<sup>B-</sup> Requires minimum grade of B-.

Enrollment is limited to Graduate or Non-Degree level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Seminar**GCH 772: *Social Epidemiology*.** 3 credits.

Focuses on applying epidemiological principles to the study of social factors and human health. Prepares students to measure population-level social determinants of health and quantitatively evaluate their relationship with health and disease. Requires students to translate information and analyses into summaries suitable for technical and non-technical audiences. Notes: Offered every other year. Offered by Global and Community Health. May not be repeated for credit. Equivalent to GCH 605.

**Registration Restrictions:**

**Required Prerequisite:** GCH 712<sup>B</sup>.

<sup>B</sup>- Requires minimum grade of B-.

Enrollment is limited to Graduate or Non-Degree level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Lecture**GCH 780: *Practicum Seminar*.** 0 credits.

Provides students with guidance and preparation for engaging in the public health practicum. Notes: This course should be taken one semester prior to enrollment in the practicum course. Offered by Global and Community Health. May not be repeated for credit.

**Registration Restrictions:**

Enrollment is limited to Graduate or Non-Degree level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Seminar**GCH 782: *International Research Ethics and Methods*.** 3 credits.

Prepares students to conduct global and community health research. Discusses ethical issues in international health research. Develops plans for identifying a research project, collecting and analyzing data, and reporting results of international health research. Offered by Global and Community Health. May not be repeated for credit. Equivalent to GCH 680.

**Registration Restrictions:**

**Required Prerequisites:** (GCH 712<sup>B</sup> and 601<sup>B</sup>).

<sup>B</sup>- Requires minimum grade of B-.

Enrollment is limited to Graduate or Non-Degree level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Lecture**GCH 790: *Practicum in Public Health*.** 3 credits.

The practicum provides students with an in-depth supervised experience in an approved public health organization. The practicum will require students to complete a project related to an actual public health issue that is a focus within the organization. Offered by Global and Community Health. May not be repeated for credit.

**Recommended Prerequisite:** Students must be enrolled in the MPH program in good standing. Must have completed GCH 780 and 21 credit hours in the MPH program.

**Registration Restrictions:**

Enrollment is limited to Graduate or Non-Degree level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Internship**GCH 792: *Culminating Experience*.** 0 credits.

Provides an integrative learning experience to demonstrate synthesis of the Master of Public Health foundational and concentration competencies. Students produce a written product appropriate to educational and professional objectives. Notes: This course should be taken during the final semester of the program. It is highly recommended that students complete all other MPH Core Courses and at least two Concentration Courses prior to enrollment in this course. Offered by Global and Community Health. May not be repeated for credit.

**Recommended Prerequisite:** Must be enrolled in the MPH program in good standing and have completed at least 21 credit hours in the MPH program.

**Registration Restrictions:**

Enrollment is limited to Graduate or Non-Degree level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Seminar**GCH 794: *Global Health Research Capstone*.** 3 credits.

Provides a supervised, collaborative research experience on a global health topic that allows students to synthesize, integrate, and apply the knowledge and skills acquired in coursework. Offered by Global and Community Health. May not be repeated for credit.

**Registration Restrictions:**

**Required Prerequisite:** GCH 651<sup>B</sup>.

<sup>B</sup>- Requires minimum grade of B-.

Enrollment limited to students in the MS Global Health program.

Enrollment is limited to Graduate or Non-Degree level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Seminar**GCH 795: *Advanced Special Topics in Global and Community Health*.** 1-3 credits.

Advanced special topics course to address in-depth study of contemporary areas of global and community health insufficiently covered in other courses. Notes: Fulfills elective requirement for MS in global health degree and global health certificate program. Topics vary. May take up to 6 credits within their degree program. Offered by Global and Community Health. May be repeated within the degree for a maximum 6 credits.

**Recommended Prerequisite:** Must be enrolled in a graduate program and have permission of the instructor.

**Registration Restrictions:**

Enrollment is limited to Graduate or Non-Degree level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

**Schedule Type:** Seminar



## 800 Level Courses

**GCH 804:** *Advanced Quantitative Data Analysis for Health Care Research I.* 3 credits.

Examines regression modeling including ANOVA techniques, linear regression and logistic regression. Using public health and health care research data, students will apply statistical methods and interpret output from a statistical computing package. Offered by Global and Community Health. May not be repeated for credit. Equivalent to NURS 804.

**Recommended Prerequisite:** A graduate-level statistics course.

**Registration Restrictions:**

Enrollment is limited to Graduate level students.

**Schedule Type:** Lecture

**GCH 805:** *Advanced Quantitative Data Analysis for Health Care Research II.* 3 credits.

Examines data analysis techniques for data management, data cleaning, exploratory data analysis, and statistical modeling, and applies these approaches to public health data using a statistical computing package. Introduces advanced statistical analysis techniques including Poisson regression, longitudinal data analysis, survival analysis, and analysis of survey data. Offered by Global and Community Health. May not be repeated for credit. Equivalent to NURS 805.

**Recommended Prerequisite:** GCH 804 or NURS 804, or an equivalent multivariate statistics course.

**Registration Restrictions:**

Enrollment is limited to Graduate level students.

**Schedule Type:** Lecture

**GCH 806:** *Advanced Multivariate Statistics and Data Analysis for Health Care Research.* 3 credits.

Examines canonical correlation, discriminant analysis, factor analysis and causal analysis (path models and structural equation modeling). Students analyze and interpret data using these statistical techniques. Offered by Global and Community Health. May not be repeated for credit. Equivalent to NURS 806.

**Recommended Prerequisite:** GCH 805 or NURS 805, or equivalent multivariate statistics course.

**Registration Restrictions:**

Enrollment is limited to Graduate level students.

**Schedule Type:** Lecture

**GCH 807:** *Measurement Theories and Applications in Health Care Research.* 3 credits.

Theories, principles, and techniques presented as foundation for the development and evaluation of instruments for use in health care research. Includes review of statistical techniques required for understanding measurement theory, reliability, validity, item analysis, and instrument construction. Students required to design, construct, administer, analyze, and evaluate an original instrument or evaluate an existing instrument in health care research. Notes: Completion of GCH 805/NURS 805 or GCH 806/NURS 806 is highly recommended. Offered by Global and Community Health. May not be repeated for credit. Equivalent to NURS 807.

**Recommended Prerequisite:** GCH 805/NURS 805 or permission of instructor.

**Registration Restrictions:**

Enrollment is limited to Graduate level students.

**Schedule Type:** Lecture