

MPH@UNC Course List

MPH INTEGRATED CORE COURSES

SPHG 711: Data Analysis for Public Health

2 credits, 60 minute weekly live session

This introductory course is part of the MPH core curriculum and focuses on the biostatistics and analysis methods commonly found in public health. Students will learn to produce, interpret, and use straight-forward data analyses.

Rules & Requirements

Grading Status: Letter grade.

SPHG 712: Methods & Measures for Public Health Practice

2 credits, 60 minute weekly live session

This course is part of the MPH core curriculum and introduces epidemiologic concepts and how to describe population patterns of health, inequities, and their determinants.

Rules & Requirements

Requisites: Corequisite, SPHG 713.

Grading Status: Letter grade.

SPHG 713: Understanding Public Health Issues

2 credits, 60 minute weekly live session

This course is part of the MPH core curriculum and introduces students to systems thinking approaches to understanding the complex and interconnecting factors that underpin current public health issues.

Rules & Requirements

Requisites: Corequisite, SPHG 712.

Grading Status: Letter grade.

SPHG 721: Public Health Solutions: Systems, Policy & Advocacy

2 credits, 60 minute weekly live session

This course explores how public health practitioners establish priorities for action, with context and community as crucial factors. We examine strategies

for addressing public health problems at each level of the social-ecological framework. Builds on first semester MPH core courses.

Rules & Requirements

Requisites: Prerequisites, [SPHG 711](#), [712](#) and [713](#).

Grading Status: Letter grade.

SPHG 722: Developing, Implementing, and Evaluating Public Health Solutions

4 credits, 120 minute weekly live session

Students will identify, analyze and prioritize potential public health solutions. In addition, students will learn to adapt evidence-based solutions, engage with stakeholders, and disseminate solutions. Builds on first semester MPH core courses.

Rules & Requirements

Requisites: Prerequisites, [SPHG 711](#), [712](#) and [713](#).

Grading Status: Letter grade.

SPHG 701: Leading from the Inside Out

2 credits, 60 minute weekly live session

This course prepares students for public health practice by introducing fundamental leadership skills necessary to advance equity and recognize and address bias in organizational settings. Restricted to MPH students only.

Rules & Requirements

Requisites: Pre- or corequisites, [SPHG 711](#), [SPHG 712](#), [SPHG 713](#), [SPHG 721](#), and [SPHG 722](#).

Grading Status: Letter grade.

SPHG 703: MPH Pre-Practicum Assignments

0.5 credits

This course prepares awards credit to required pre-practicum assignments

Rules & Requirements

Requisites: Pre- or corequisites, [SPHG 711](#), [SPHG 712](#), [SPHG 713](#), [SPHG 721](#), and [SPHG 722](#).

Grading Status: Letter grade.

SPHG 707: MPH Post- Practicum Assignments

0.5 credits

This course prepares awards credit to required post-practicum assignments

Rules & Requirements

Requisites: Prerequisites: SPHG 703, SPHG 705

LEADERSHIP IN PRACTICE CONCENTRATION

PUBH 718: Systems and Design Thinking for Public Health Leaders

3 credits, 90 minute weekly live session

Using powerful tools from engineering and management, this course equips students to conceptualize, design, and analyze public health and healthcare delivery systems for successful implementation.

Rules & Requirements

Requisites: Prerequisite, PUBH 791.

Grading Status: Letter grade.

PUBH 730: Leading Quality Improvement in Public Health

3 credits, 90 minute weekly live session

Overview of quality improvement (QI) and its important relationship to leadership. Focus on practical skills with sufficient theory to understand the origins of the philosophy and processes encompassed by QI. For working practitioners with current or future management/leadership responsibilities within their organizations.

Rules & Requirements

Requisites: Prerequisite, PUBH 791.

Grading Status: Letter grade.

PUBH 748: Leadership in Health Policy for Social Justice

3 credits, 90 minute weekly live session

This course will provide students with the knowledge and skills to develop policies that address public health challenges, with an emphasis on improving health equity, promoting social justice, and creating systems in which the human right to health is given full effect.

Rules & Requirements

Requisites: Prerequisite, PUBH 791.

Grading Status: Letter grade.

PUBH 781: Community Engagement & Leadership in Health

3 credits, 90 minute weekly live session

PUBH 791 could be a co-requisite with another required concentration course, only with instructor permission. Students will gain a basic understanding of how to be leaders in applying principles of community engagement in public health programs and organizational settings by engaging different stakeholder sectors, promoting multi-level cohesion among different audiences, communicating strategies, and collaboratively designing community engagement and implementation plans.

Rules & Requirements

Requisites: Prerequisite, PUBH 791.

Grading Status: Letter grade.

PUBH 791: Core Principles in Public Health Leadership

3 credits, 90 minute weekly live session

Course will introduce students to leadership theories and research, provide a context for leadership in public health, and help students learn core leadership skills.

Rules & Requirements

Grading Status: Letter grade.

PUBH 992: Master's (Non-Thesis)

3 credits

Repeat Rules: May be repeated for credit.

NUTRITION CONCENTRATION

NUTR 701 MPH Practicum Preparation

2 credits, 60 minute weekly live session

This course provides support for the practicum process and trains students on how to ethically, meaningfully, and professionally engage and prepare for practicum placements. Students will learn how to work within their organization and their stakeholders through building skills in leadership and interprofessional practice. Additionally, students will sharpen their clinical skills in preparation for their hospital-based experience and include mandatory on-boarding requirements.

Rules & Requirements

Requisites: Prerequisite, SPHG 711, SPHG 712, SPHG 713.

Grading Status: Letter grade.

NUTR 705: Human Nutrition

3 credits, 90 minute weekly live session

Fundamental scientific premises of human nutrition. This course covers the basic concepts of macro and micronutrients, food sources, and the evidence-based requirements for a healthy diet. This course integrates nutritional needs of populations, with an emphasis on nutrition-related diseases, including over and undernutrition.

Rules & Requirements

Grading Status: Letter grade.

NUTR 711: Nutrition Across the Life Cycle

3 credits, 90 minute weekly live session

This course covers nutrition during the life cycle. Units include women during preconception, pregnancy, and lactation; infancy; childhood; adolescence; and older adults (65+). Nutrient and energy needs, assessment of nutritional status, and cultural and socioeconomic barriers are discussed for each phase.

Rules & Requirements

Requisites: Prerequisite, NUTR 705 or equivalent.

Grading Status: Letter grade.

NUTR 712: Nutrition Communication, Counseling, and Culture

3 credits, 90 minute weekly live session

This course teaches the future nutrition professional the art and science of communicating with individuals, groups, and the public. Students will enhance cultural awareness, practice counseling individuals and facilitating groups, and frame nutrition messages for mass media including social media.

Rules & Requirements

Requisites: Prerequisite, [NUTR 705](#) or equivalent.

Grading Status: Letter grade.

NUTR 714: Nutritional Biochemistry, Metabolism and Health

3 credits, 90 minute weekly live session

Introduction to biochemistry and functions of macro- and micro-nutrients with a limited focus on medical aspects of nutrient deficiencies and metabolism. Focus on chemical structures, chemical properties, metabolism, and functions of macro- and micro-nutrients.

Rules & Requirements

Requisites: Prerequisites, [BIOL 252](#) and [252L](#), [BIOL 422](#) and [422L](#), [NUTR 240](#), [C HEM 261](#) and [CHEM 430](#), or permission from the instructor.

Grading Status: Letter grade.

NUTR 715: Medical Nutrition Therapy

4 credits, 120 minute weekly live session

A lecture and skills course where students practice skills used in nutrition therapy and the Nutrition Care Process (such as calculating caloric intake and modifying intake, calculating diabetic diets, calculating sodium content of intakes, etc.) under the supervision of a Registered Dietitian.

Rules & Requirements

Requisites: Prerequisites, [NUTR 711](#) and [712](#).

Grading Status: Letter grade.

NUTR 723: Community Nutrition

3 credits, 90 minute weekly live session

This course provides graduate students with competencies to assess factors that influence the nutritional status of the population; identify community resources to promote and support nutrition and health; conduct community

assets and needs assessments; and design, implement, and evaluate public health nutrition programs.

Rules & Requirements

Requisites: Prerequisite, NUTR 701.

Grading Status: Letter grade.

NUTR 760 and 760L: Food Science and Culinary Arts

(3 total) 2 credits NUTR 760 and 1 credit NUTR 760/L, 90 minute weekly live session

Introduction to foods, chemical and physical properties, nutritional composition, food safety, production, and regulation.

NUTR 760 Lab: Basic culinary techniques. Classes illustrate biochemical processes and food properties covered in lecture. Introduction to new foods and food ideas. Critical evaluation of recipes. Laboratory fee required. Three laboratory hours per week.

Rules & Requirements

Requisites: Corequisite, NUTR 760L.

Grading Status: Letter grade.

NUTR 765: Nutritional Epidemiology

3 credits, 90 minute weekly live session

This course introduces basic methods of dietary assessment, reviews various topics in nutrition epidemiology, and teaches the skills needed for critical evaluation of the nutritional epidemiologic literature.

Rules & Requirements

Requisites: Prerequisite, SPHG 711, SPHG 712, SPHG 713, SPHG 721, SPHG 722 (MPH Core Courses).

Grading Status: Letter grade.

NUTR 805: Food and Nutrition Policy

3 credits, 90 minute weekly live session

This course focuses on nutrition policy on a federal, state, and local level. Topics covered include policy formation, interest/consumer advocacy groups, key legislation, how research informs policy, equity and diversity, global food policy issues, sustainability and health, advocacy, and current public health nutrition policy examples.

NUTR 992: Master's (Non-Thesis)

3 credits

Repeat Rules: May be repeated for credit.

HEALTH POLICY CONCENTRATION

HPM 730: Leadership and Workforce Management Strategies

3 credits, 90 minute weekly live session

This course provides an introduction and overview of leadership, management, workforce challenges, and organizational behavior. The course emphasizes the importance of aligning management practices with the organization's mission and goals. The course integrates theory with practice through readings, lectures, written assignments, experiential exercises, and guest presentations. Assessment, practice and development of leadership, managerial and organizational skills are accomplished through team exercises, self and peer assessments, and small group work.

Rules & Requirements

Grading Status: Letter grade.

HPM 754: Health Care in the United States: Structure and Policy

3 credits, 90 minute weekly live session

This core course is designed to provide students with an overview of the structure, systems, and policies of health care delivery in the United States. The goal is to increase students' knowledge and abilities to analyze and address health care issues from both management and policy perspectives.

Rules & Requirements

Grading Status: Letter grade.

HPM 758: Underserved Populations and Health Reform

3 credits, 90 minute weekly live session

This course gives students a greater understanding of programs available to serve underserved populations, and how the ACA (or any replacement) will impact on care provided to underserved populations. The course is designed to help students think critically about the impact of policy changes on different populations.

Rules & Requirements

Grading Status: Letter grade.

HPM 790: Advanced Health Policy Analysis and Advocacy

3 credits, 90 minute weekly live session

This class will provide students with an opportunity to learn about the health policy analysis and advocacy processes in the United States. Students will gain an understanding of the different ways in which health policies are made at the legislative, regulatory, and judicial systems. Students will also learn how to identify and analyze different policy options to address health problems, conduct a stakeholders' analysis, and design an advocacy campaign.

Rules & Requirements

Repeat Rules: May be repeated for credit; may be repeated in the same term for different topics.

Grading Status: Letter grade.

APPLIED EPIDEMIOLOGY

EPID 710: Fundamentals of Epidemiology

3 credits, 90 minute weekly live session

An intensive introduction to epidemiological concepts and methods from a perspective of causal inference. This course is for students intending to lead, engage in, collaborate in, or interpret the results of epidemiologic studies. Some familiarity with biomedical concepts may be needed. Three lecture hours a week.

Rules & Requirements

Requisites: Corequisite, BIOS 600, SPHG 711, or equivalent, or instructor permission.

Grading Status: Letter grade.

EPID 750: Fundamentals of Public Health Surveillance

3 credits, 90 minute weekly live session

This course provides the conceptual foundations and practical skills for designing and implementing surveillance systems, for using surveillance data for the conduct and evaluation of public health programs and research.

Rules & Requirements

Grading Status: Letter grade.

EPID 795: Data in Public Health

3 credits, 90 minute weekly live session

This course provides students with an overview of public health informatics and includes in-depth discussions on informatics approaches used in developing the public health information systems in use today.

Rules & Requirements

Grading Status: Letter grade.

EPID 992: Master's (Non-Thesis)

3 credits

Repeat Rules: May be repeated for credit.

MPH CULMINATING EXPERIENCE

SPHG 992: MPH Culminating Experience

3 credits, 90 minute weekly live session

This course serves as the Master's Thesis substitute course for the MPH program.

Rules & Requirements

Repeat Rules: May be repeated for credit.

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