

## Department of Public Health Sciences Course Descriptions

### **HLTH 201 History and Philosophy of Public Health and Medicine 2(2,0)**

Explores the evolution of public health and medicine, the social and technological factors and historical turning points in their development, the philosophies and major issues of public health and medicine including beliefs about the nature and causes of health and illness, and the protection and management of community health.

### **HLTH 202 Introduction to Public Health 3(3,0)**

Examination of the forces that have influenced current health delivery systems, health practices, and trends. General systems theory is introduced. Health majors and minors will be given enrollment priority.

### **HLTH 203 Overview of Health Care Systems 3(3,0)**

Introduction to the health care delivery system including public health and health care components. Examines and discusses individual and public expectations of need and demand for health care and delivery of public health and health care services.

### **HLTH 240 Determinants of Health Behavior 3(3,0)**

Analysis of health behaviors based on psychological, social, cultural, and environmental factors. Introduces health behavior theories.

*Coreq:* Health Science major.

### **HLTH 250 Health and Fitness 3(3,0)**

Study of interrelationship between health and fitness. Emphasizes the cardiovascular system and benefits of exercise.

### **HLTH 298 Human Health and Disease 3(3,0)**

Study of good health practices emphasizing lifestyles and measures of health. Health majors and minors will be given enrollment priority.

### **HLTH 303 Public Health Communication 3(3,0)**

Introduction to the use of health and communication theory and social marketing strategies to create effective, evidence-based, culturally appropriate health communication messages and campaigns.

*Preq:* HLTH 240, 298.

### **HLTH 305 Body Response to Health Behaviors 3(3,0)**

Positive benefits and the negative impact of certain behaviors at cellular, organ, and bodysystem levels are examined. The pathways of selected injury and disease are explored. Expected physiological changes are applied in identifying strategies for promoting health in the presence (or absence) of disease. Health majors and minors will be given enrollment priority.

*Coreq:* BIOSC 223 or consent of instructor.

### **HLTH 310 Women's Health Issues 3(3,0)**

Exploration of specific health needs of women, with emphasis on understanding and preventing problems

of women's health. Health majors and minors will be given enrollment priority.

*Preq:* Two-semester sequence in science or consent of instructor.

### **HLTH 315 Social Epidemiology 3(3,0)**

Exploration of the current problems and issues associated with the health of population groups. The interrelationships of biological, sociocultural, behavioral, environmental, political, and economic risk factors and the health and illness patterns of those in population groups are examined.

*Preq:* HLTH 298, 380 or consent of instructor.

### **HLTH 320 Health Maintenance for Men 3(3,0)**

Exploration of specific health maintenance needs of men, with emphasis on understanding and preventing problems of men's health. Health majors and minors will be given enrollment priority.

*Preq:* Two-semester sequence in science or consent of instructor.

### **HLTH 340 Health Promotion Program Planning 3(3,0)**

Students develop skills to conduct community health needs assessments and to plan and evaluate theoretically grounded health promotion intervention programs for diverse populations. Best practices for specific health behavior change interventions are identified.

*Preq:* HLTH 240, 298.

### **HLTH 350 Medical Terminology and Communication 3(3,0)**

Skills in building, analyzing, defining, pronouncing, and spelling medical terms related to the human body are developed and applied through electronic communication.

*Preq:* Junior standing or consent of instructor.

### **HLTH (AP EC, C R D) 361 Introduction to Health Care Economics 3(3,0)**

See C R D 361.

### **HLTH 380 Epidemiology 3(3,0)**

Introduction to epidemiological principles and methods used in the study of the origin, distribution, and control of disease. Health majors and minors will be given enrollment priority.

*Coreq:* Approved statistics course.

### **HLTH H395 Honors Research Seminar 3(3,0)**

Students review basic steps in the development of an honors research proposal and develop a draft of the proposal under the supervision of a faculty mentor. Students are also required to attend research presentations of senior departmental honors students.

*Preq:* HLTH 380, Junior standing, statistics course, or consent of instructor.

### **HLTH 398 Health Appraisal Skills 1(0,3)**

Utilizes laboratory experiences to measure health risk, interpret laboratory health data, and design personal health programs. Restricted to Health Science majors.

*Preq:* HLTH 298.

### **HLTH 400, 600 Selected Topics in Health 1-3(1-3,0)**

Topics selected to meet special and individualized interest of students in health. May be repeated for a maximum of six credits, but only if different topics are covered.

*Preq:* Junior standing, consent of instructor.

### **HLTH 401, 601 Health Consumerism 3(3,0)**

Exploration of consumer decisions regarding health products and services emphasizing strategies for decision making. Health majors and minors will be given enrollment priority.

*Preq:* Two-semester sequence in science or consent of instructor.

### **HLTH 402 Principles of Health Fitness 3(3,0)**

Students apply current theories concerning physiological effects of exercise to select new populations; understand the relationship between exercise and various chronic diseases; and design, execute, and evaluate exercise programs in terms of safety and effectiveness.

*Preq:* HLTH 398, CPR certification.

*Coreq:* BIOSC 223.

### **HLTH 410, 610 Maternal and Child Health 3(3,0)**

Focuses on key issues concerning the health status and needs of mothers and children. Topics include primary health care, measurement and indicators of health status, health of minorities, role of families, and major programmatic interventions towards the health needs of these two groups.

### **HLTH 411, 611 Health Needs of High Risk Children 3(3,0)**

Analysis and evaluation of health needs of high-risk families and special needs children from the prenatal period to age six. Emphasizes health maintenance and early intervention strategies.

*Preq:* HLTH 410.

### **HLTH 415, 615 Public Health Issues in Obesity and Eating Disorders 3(3,0)**

In-depth review of prevalence, risk factors, consequences, and treatments of obesity and other eating disorders. Focuses on the public health importance of cultural norms, prevention, and early intervention related to obesity and eating disorders.

*Preq:* Junior standing in Health Science or consent of instructor.

### **HLTH 419 Health Science Internship Preparation Seminar 1(1,0)**

Preparation for internship experience. Includes topics such as résumé development, interviewing skills, internship agency selection, and responsibilities of student, department, and agency.

*Preq:* Junior standing in Health Science.

### **HLTH 420, 620 Health Science Internship 1-6(0,3-18)**

Under supervision in an approved agency, students have an opportunity for on-the-job experiences. Students are placed in an agency and develop personal/professional goals and objectives appropriate to the setting, population, and health issues. Students create a comprehensive exit portfolio in a digital format. May be repeated for a maximum of six credits.

*Preq:* HLTH 419, minimum grade-point ratio of 2.0, Junior standing in Health Science, consent of instructor.

### **HLTH 430, 630 Health Promotion of the Aged 3(3,0)**

Focuses on analysis and evaluation of health issues and health problems of the aged.

Emphasizes concepts of positive health behaviors. Health majors and minors will be given enrollment priority.

*Preq:* Developmental psychology, two-semester sequence in science, or consent of instructor.

### **HLTH 431 Public and Environmental Health 3(3,0)**

Principles of environmental health emphasizing understanding various health concerns created by the interactions of people with their environment. Students evaluate the impact of environmental factors on public health policy decisions. Meets specific area of need in environmental health issues.

### **HLTH 440 Managing Health Service Organizations 3(3,0)**

Provides the conceptual and theoretical foundation of management and organizational theory of health service organizations. Focuses on the role of health services managers and how they modify and maintain organizations.

**HLTH 450, 650 Applied Health Strategies 3(3,0)**

Students plan, implement, and evaluate strategies to promote health through individual behavior changes. Both healthful and unhealthful behaviors are included. Examples include smoking cessation, weight management, and stress management.

*Req:* HLTH 480, Health Science major.

**HLTH 460 Health Information Systems 3(3,0)**

Focuses on the application of information systems to patient care and management support systems. Provides a general understanding of how the information needs of health professionals and health service organizations can be met through the proper acquisition, storage, analysis, retrieval, and presentation of data.

**HLTH 470 International Health 3(3,0)**

Deepens students' knowledge of global health and how public health work is conducted internationally. Introduction to assessment of international health needs and designing, implementing, managing, and evaluating public health programs in international settings.

*Req:* HLTH 298.

**HLTH 475 Principles of Health Care Operations Management and Research 3(3,0)**

Provides a foundation in concepts, structure, and analysis that enables an understanding of the importance of production/operations management within health care organizations and systems. Includes training in operations research methods and objectives.

*Req:* HLTH 490.

**HLTH 478 Health Policy Ethics and Law 3(3,0)**

Critical examination of the legal and ethical dimensions of public health policy formation and change and how legal, ethical, and policy considerations influence health services administration and delivery. Health majors and minors will be given enrollment priority.

*Req:* HLTH 202, 240, 298, 380 or consent of instructor.

**HLTH 479 Financial Management and Budgeting for Health Service Organizations 3(3,0)**

Overview of basic principles of budgeting and financial management and analysis for health services organizations. Techniques for financial management are provided with an emphasis on health services environments.

*Req:* HLTH 440.

**HLTH 480 Community Health Promotion 3(3,0)**

Focuses on the participatory approach in the planning and implementation of community health programs. Emphasizes professional ethics, needs assessment, coalition building, proposal writing, and implementation of special events in the community.

*Req:* HLTH 303, 340, 380, Health Science major.

**HLTH 490 Research and Evaluation Strategies for Public Health 3(3,0)**

Discussion of research in health. Focuses on analysis of reported research. Ethical, moral, and legal issues are discussed.

*Req:* EX ST 301, MTHSC 203, or 301.

**HLTH H495 Honors Thesis Seminar 3(3,0)**

Senior honors thesis seminar in public health sciences. Independent research is conducted under the supervision and guidance of a faculty mentor for students enrolled in departmental honors program in support of an honors thesis/service learning research project.

*Preq:* HLTH H395, Senior standing, or consent of instructor.

**HLTH H496 Honors Research Colloquium 1(1,0)**

Students enrolled in departmental honors present independent research conducted under the supervision of a faculty member in a public research forum to other honors students and public health professionals and/or submit a paper or presentation based on this research for publication.

*Preq:* HLTH H495, Senior standing.

**HLTH 498, 698 Improving Population Health 3(3,0)**

Critical examination of current and emerging issues in improving public health practice and population health. Covers examples in empirical and applied research, revealing future trends in population health. Health Science majors and minors will be given enrollment priority.

*Preq:* HLTH 240, 298, 380, or consent of instructor.

**HLTH 499 Independent Study 1-3(1-3,0)**

Study of selected problems in health under the direction of faculty member chosen by the student. Student and faculty member develop a course of study designed for the individual student and approved by the department chair prior to registration. May be repeated for a maximum of three credits.

*Preq:* Junior standing or consent of instructor.