

# PHLT - PUBLIC HEALTH (PHLT)

## PHLT 265 First Generation Scholars I

**Credit 1. 1 Lecture Hour.** First year experience; coverage of a range of topics for success inside and outside of the college classroom such as, self-efficacy, self-awareness, sense of purpose, active engagement in and out the classroom and social integration. **Prerequisite:** Approval of instructor; freshman classification; PHLT majors.

## PHLT 266 First Generation Scholars II

**Credit 1. 1 Lecture Hour.** First year experience; coverage of a range of topics for success inside and outside of the college classroom such as, self-efficacy, self-awareness, sense of purpose, active engagement in and out the classroom and social integration. **Prerequisite:** Approval of instructor; freshman classification; PHLT majors only.

## PHLT 270 Broad Street Learning Community I

**Credits 3. 3 Lecture Hours.** Introduction to the program, development of critical thinking skills and international perspectives; introductory for the Public Health Studies Broad Street Honors Learning Community. **Prerequisites:** Admission to Broad Street Society Honors Learning Community; public health major.

## PHLT 289 Special Topics In...

**Credits 1 to 4. 1 to 4 Lecture Hours. 0 to 4 Lab Hours.** Selected topics in an identified area of public health. May be taken three times for credit. **Prerequisite:** PHLT major or approval of instructor.

## PHLT 301 Public Health Concepts

**Credit 1. 1 Lecture Hour.** Familiarization with public health including aspects such as different disciplines within the profession; local, national and international agencies that have interest in public health and public health code of ethics.

## PHLT 302 Foundations of Public Health

**Credits 3. 3 Lecture Hours.** History, philosophy, development and careers of public health; core values, ethics, concepts, functions and essential services of public health; population health and health improvement. **Prerequisites:** Public health major or minor, junior or senior classification, or approval of instructor.

## PHLT 303 Social Context of Population Health

**Credits 3. 3 Lecture Hours.** Exploration of social determinants of population health and the socio-cultural roots of health improvement; socio-economic, behavioral and other factors that impact human health and contribute to health improvement and health disparities. **Prerequisites:** Public health major or minor; junior or senior classification.

## PHLT 304 Biological Basis of Public Health Diseases & Disorders

**Credits 3. 3 Lecture Hours.** Biological Basis of Public Health Diseases & Disorders. Overview of the underlying science of human health and disease, considering biological mechanisms in the individual and in populations; topics include a broad set of categories of adverse health events: infectious and chronic diseases, exposure to pathogens and toxins, nutritional deficiencies, child and maternal health, biological bases of mental and behavioral health and addiction; examination of the interactions between biologic and sociocultural factors and the biology of epidemics; foundational understanding of opportunities to promote and protect health across the life course; application of disease knowledge in community and allied health professions. **Prerequisites:** Public health major; junior or senior classification.

## PHLT 305 Epidemiology in Public Health

**Credits 3. 3 Lecture Hours.** Principles of epidemiology, a systematic approach to collecting and evaluating information on distributions of health outcomes in populations; history of epidemiology, descriptive epidemiology, epidemiologic methods, association and causation, evidence-based public health and applications. **Prerequisites:** Public Health major or minor; junior or senior classification.

## PHLT 306 Border Health

**Credits 3. 3 Lecture Hours.** United States-Mexico border public health system; includes issues important to public health at the border; addresses health challenges. **Prerequisite:** Public health major; junior or senior classification; or approval of instructor.

## PHLT 307 Public Health in the Global Context

**Credits 3. 3 Lecture Hours.** Frameworks for understanding public health on a global scale; description of current and emerging global health priorities, such as emerging infectious diseases and chronic diseases; health systems reforms; cultural competence, human rights and ethics in global health; science and technological innovation for global health; global institutions and partnerships. **Prerequisite:** Public health major; junior or senior classification; or approval of instructor.

## PHLT 308 Comparative Global Health Systems

**Credits 3. 3 Lecture Hours.** Public health issues from population health and comparative perspectives at the global level; exploration of different public health systems in developing and developed countries. **Prerequisites:** Public health major; junior or senior classification; or approval of instructor.

## PHLT 309 Population Health Promotion

**Credits 3. 3 Lecture Hours.** Exploration of the application of social determinants of health to population health promotion; identification of socio-economic, behavioral, cultural, societal and political factors that influence population health promotion; utilization of a socio-ecological approach in health promotion to address major health-related needs and concerns of populations; use public health planning models, theories and methods for effective health promotion. **Prerequisite:** Public health major; junior or senior classification; or approval of instructor.

## PHLT 310 Public Health Writing

**Credit 1. 1 Lecture Hour.** Strategies to become more familiar with types of writing required as public health students or public health professionals; strengthens and increases general writing skills; establishes a foundation for continued development in writing. Must be taken on a satisfactory/unsatisfactory basis. **Prerequisites:** Public health major; junior or senior classification; approval of instructor.

## PHLT 311 Narrative Approach to Public Health

**Credit 1. 1 Lecture Hour.** Familiarization with the writing style required for public health; instruction in writing styles and narrative techniques to increase and strengthen writing abilities in public health disciplines such as environmental and occupational health, health promotion and community health sciences, health policy and management, epidemiology and biostatistics. Must be taken on a satisfactory/unsatisfactory basis. **Prerequisites:** Public health major; junior or senior classification; or approval of instructor.

## PHLT 313 Health Care and Public Health System

**Credits 3. 3 Lecture Hours.** Two distinct systems – health care system: an individual and medical services model and the public health system: population level disease prevention and health education. **Prerequisites:** Public health major; junior or senior classification; or approval of instructor.

## PHLT 314 Public Health Data Management and Assessment I

**Credits 2. 2 Lecture Hours.** Familiarization with using the CDC software Epi-Info for managing, analyzing and assessing population health data; focus on using Epi-Info to produce descriptive data reports including tables and graphs. **Prerequisite:** Public health major; junior or senior classification; or approval of instructor.

## PHLT 315 Public Health Data Management and Assessment II

**Credits 2. 2 Lecture Hours.** Continuation of PHLT 314; familiarization with using the CDC software Epi-Info for managing, analyzing and assessing population health data; focus on using Epi-Info to generate inferential statistics such as confidence intervals and p-values. **Prerequisite:** Public health major; grade of C or better in PHLT 314.

## PHLT 316 Public Health Data Management and Assessment

**Credits 3. 3 Lecture Hours.** Familiarization with descriptive statistics and with using the CDC software Epi-Info for managing, analyzing and assessing population health data; focus on using Epi-Info to produce descriptive data reports including tables and graphs; to analyze and assess data for decision making. **Prerequisites:** Public health major or minor; junior or senior classification.

## PHLT 322 Concepts in Health Education

**Credits 3. 3 Lecture Hours.** Preparation as peer health educators and campus community leaders; experiential learning; includes various health topics, program development, presentation and public speaking, communication, and group facilitation. **Prerequisites:** Grade of C or better in PHLT 302 or concurrent enrollment.

## PHLT 330 The Environment and Public Health

**Credits 3. 3 Lecture Hours.** Public health core knowledge address factors that pose risks and hazards in homes and workplaces; methods for defining environmental contamination; identifying contaminants, pathogens and toxins; assessing risks and causality; ameliorating hazards. **Prerequisites:** Public health major or minor; junior or senior classification.

## PHLT 331 Occupational Safety and Health I

**Credits 3. 3 Lecture Hours.** Regulations and topics of relevance to occupational health professionals; includes legislation and regulations, workers' compensation, accident investigation, industrial hygiene, ergonomics and fire prevention with an emphasis on the health professionals' role. **Prerequisites:** Public health major; junior or senior classification; or approval of instructor.

## PHLT 332 Occupational Safety and Health II

**Credits 3. 3 Lecture Hours.** Occupational safety and health topics including behavior-based safety, workplace violence, preparedness, hazardous materials, construction, transportation, required written programs and professional resources. **Prerequisites:** Grade of C or better in PHLT 331; public health major or minor.

## PHLT 333 Accident Investigation

**Credits 3. 3 Lecture Hours.** Principles of accident investigation and how accidents happen in the workplace; integrates procedural, systematic, corrective and formative applications for the occupational health professional. **Prerequisite:** Public health major; junior or senior classification; or approval of instructor.

## PHLT 334 Fire Safety and Workplace Hazards

**Credits 3. 3 Lecture Hours.** Principles of fire safety and other workplace hazards such as electrical hazards, chemical hazards, respiratory hazards, falls, confined spaces, bloodborne pathogens, hearing loss, ergonomics and machine hazards. **Prerequisite:** Public health major; junior or senior classification; or approval of instructor.

## PHLT 335 Hazardous Materials

**Credits 3. 3 Lecture Hours.** Principles of managing materials in the workplace; role of the health and safety professional in hazardous material management and hazard communication. **Prerequisite:** Public health major; junior or senior classification; or approval of instructor.

## PHLT 336 Health Disparities and Diversity in Society

**Credits 3. 3 Lecture Hours.** Exploration of in-depth racial, ethnic, and cultural dimensions that underlie health and health disparities; emphasis on culture, social economic status and governmental policies as they influence the adaptation of health practices. **Prerequisites:** Junior or senior classification.

## PHLT 342/HLTH 342 Human Sexuality

**Credits 3. 3 Lecture Hours.** Many aspects of human sexuality; physiology and function of human reproductive system, factors involved in learning sex roles, biological and emotional motivations associated with the sexual aspects of life and their relationship to marriage and family planning. **Prerequisites:** Junior or senior classification. **Cross Listing:** HLTH 342/PHLT 342.

## PHLT 353/HLTH 353 Drugs and Society

**Credits 3. 3 Lecture Hours.** Use and abuse of drugs in today's society; physiological, sociological and psychological factors involved. **Prerequisite:** Grade of C or better in BIOL 320, HLTH 210, HLTH 231, and HLTH 240. **Cross Listing:** HLTH 353/PHLT 353.

## PHLT 354/HLTH 354 Medical Terminology for the Health Professions

**Credits 3. 3 Lecture Hours.** Designed for students interested in pursuing a career in a health, medical, scientific or other helping profession; develop medical word power skills combined with related health and disease knowledge. **Prerequisite:** Junior or senior classification. **Cross Listing:** HLTH 354/PHLT 354.

## PHLT 360 Women's Health

**Credits 3. 3 Lecture Hours.** A broad range of health issues that are either unique to women or of special importance to women; information for the health consumer; preparation as an advocate of healthy lifestyles; awareness of the role health plays in the life of all women. **Prerequisites:** Junior or senior classification. **Cross Listing:** HLTH 334 and WGST 334.

## PHLT 363/HLTH 333 Spirituality and Health

**Credits 3. 3 Lecture Hours.** Exploration of the relationship between spirituality, religion, health, health education and spiritual health; identification of techniques to measure spiritual health/wellness and enlighten healthcare professionals to the role spiritual health plays in healing; identification of spirituality topics important to health care professionals. **Prerequisites:** Junior or senior classification; School of Public Health majors. **Cross Listing:** HLTH 333/PHLT 363.

## PHLT 370 Broad Street Learning Community II

**Credits 3. 3 Lecture Hours.** International perspectives on public health and healthcare, comparative historical, political and cultural effects on public health; second course in the Broad Street Learning Community sequence. **Prerequisites:** Grade of B or better in PHLT 270.

## PHLT 403/HLTH 403 Consumer Health

**Credits 3. 3 Lecture Hours.** Selection, evaluation and understanding of health information, medical services, advertising of products and sociocultural factors in consumer health protection. **Prerequisite:** Grade of C or better in HLTH 210. **Cross Listing:** HLTH 403/PHLT 403.

## PHLT 405/HLTH 405 Rural Health

**Credits 3. 3 Lecture Hours.** Issues facing rural health care; emphasis on understanding the geographical characteristics of rural communities and their affect on health care delivery. **Prerequisites:** Junior or senior classification; School of Public Health major. **Cross Listing:** HLTH 405/PHLT 405.

## PHLT 410 Public Health Communication

**Credits 3. 3 Lecture Hours.** Exploration of different communication approaches for addressing public health challenges; basic concepts of public health-specific communication, including risk communication, the use of mass media and evaluation of public health communication programs. **Prerequisites:** PHLT 310; public health major.

## PHLT 411 Project Management in Public Health

**Credits 3. 3 Lecture Hours.** Exploration of successful project management and administration in public health settings; includes project development, budgeting and implementation. **Prerequisites:** Public health major; junior or senior classification; or approval of instructor.

## PHLT 412 Health Advocacy and Policy

**Credits 3. 3 Lecture Hours.** Concepts of legal, ethical, economic and regulatory dimensions of public health policy; the roles, influences and responsibilities of the different agencies and branches of government; advocacy for the public's health at all levels of society. **Prerequisites:** Grade of C or better in PHLT 313; public health major; junior or senior classification.

## PHLT 413 Public Health Informatics

**Credits 3. 3 Lecture Hours.** Broad range of knowledge and skills encompassed by PHI; bridging public health data/information needs, information technology and stakeholders; creating user requirements to guide system design; evidence-based public health; electronic health records. **Prerequisites:** Grade of C or better in PHLT 302.

## PHLT 414 Applications of Epidemiology in Public Health

**Credits 3. 3 Lecture Hours.** Application of the concept of distribution, determinants and measurement of health and disease outcomes in populations in real life situations through lectures, case studies and presentations. **Prerequisites:** Grade of C or better in PHLT 305; public health major.

## PHLT 415 Emergency Management in Public Health

**Credits 3. 3 Lecture Hours.** Principles and practices of emergency management at the local, state, national and international levels; explores stages of emergency management such as preparedness, response and recovery; includes population health and the basic processes, approaches and interventions; emergency management systems in the United States; actors in emergency management. **Prerequisites:** Public health major; junior or senior classification; or approval of instructor.

## PHLT 416 Public Health Leadership and Ethics

**Credits 3. 3 Lecture Hours.** Overview of major leadership and ethical theories, current leadership and ethical issues and their impact on public health practice. **Prerequisite:** Public health major; junior or senior classification; or approval of instructor.

## PHLT 420/HLTH 415 Health Education Methodology

**Credits 3. 3 Lecture Hours.** Theory and practice in the development and use of creative and traditional health education strategies in secondary schools and community settings; emphasis is given to cognitive, affective and behavioral teaching strategies. **Prerequisite:** Grade of C or better in HLTH 231, BIOL 320, and COMM 203; grade of C or better in HLTH 222, HLTH 240, HLTH 332, or HLTH 331; grade of C or better in ENGL 103 or ENGL 104. **Cross Listing:** HLTH 415/PHLT 420.

## PHLT 425/HLTH 425 Health Program Evaluation

**Credits 3. 3 Lecture Hours.** Theory and practice in evaluation of health programs in school and community; analysis of test results; evaluation of standardized health tests. **Prerequisite:** Grade of C or better in HLTH 222, HLTH 231, HLTH 240, HLTH 331, BIOL 320, and COMM 203; grade of C or better in ENGL 103 or ENGL 104. **Cross Listing:** HLTH 425/PHLT 425.

## PHLT 426/MKTG 443 The Business of Healthcare

**Credits 3. 3 Lecture Hours.** Preparation for contributing to the healthcare system by gaining an understanding of selected business of healthcare topics such as the role of healthcare in the economy, the cost of healthcare, the patient experience, technology and ethics. **Prerequisites:** Business and Public Health majors; junior or senior classification; approval of instructor. **Cross Listing:** MKTG 443/PHLT 426.

## PHLT 432 Human Factors and Ergonomic Health and Safety

**Credits 3. 3 Lecture Hours.** Principles of ergonomics including principles of anatomy, physiology, instrument design, and work environments; emphasis on ergonomic design, implementing ergonomic programs. **Prerequisites:** Public health major or minor; junior or senior classification.

## PHLT 433 Industrial Inspections and Audit Techniques

**Credits 3. 3 Lecture Hours.** Principles of conducting industrial audits for fire, safety and security; emphasis on the role of the health and safety professional, assessing safety programs and meeting regulatory requirements. **Prerequisites:** Public health major; junior or senior classification; or approval of instructor.

## PHLT 434 Project Cost Benefit and Economics

**Credits 3. 3 Lecture Hours.** Estimation and management of project costs; emphasis on improving accuracy of cost projection, making better modifications to cost on work in-progress. **Prerequisites:** Public health major; junior or senior classification; or approval of instructor.

## PHLT 436 Infectious Disease in the Developing World: Risks, Challenges, and Solutions

**Credits 3. 3 Lecture Hours.** Study of the challenges of infectious disease control in the developing world; topics include common infectious diseases, how they spread, social and economic consequences and the factors that influence prevalence. **Prerequisites:** Public Health Studies major; junior or senior classification, or approval of instructor.

## PHLT 440/HLTH 440 Contemporary Issues for Community Health Interns

**Credits 3. 3 Lecture Hours.** Preparatory course for advanced students in the community health internship program. **Prerequisites:** Grade of C or better in HLTH 222, HLTH 231, HLTH 240, HLTH 331, BIOL 320, and COMM 203; grade of C or better in ENGL 103 or ENGL 104; admission into internship program. **Cross Listing:** HLTH 440/PHLT 440.

## PHLT 441 Strategies for Population Health Improvement

**Credits 3. 3 Lecture Hours.** The three core functions of public health and strategies for improving population health; case studies exploring multiple types of interventions; engagement in class discussion, break-out groups and group assignments. **Prerequisites:** Grade of C or better in PHLT 411; public health major; junior or senior classification.

## PHLT 445 Applications of Public Health

**Credits 3. 3 Lecture Hours.** Combines knowledge and skills related to public health experience and coursework to address public health issues; process of developing, implementing and evaluating public health interventions; role assignment and responsibilities in group assignments and presentations. **Prerequisites:** Grade of C or better in PHLT 441; public health major; junior or senior classification.

## PHLT 470 Global Public Health Systems and Practice Experiences

**Credits 1 to 3. 1 to 3 Lecture Hours.** Study abroad experiences led by School of Public Health faculty in select countries; lectures prior to departing and lectures and classes in country; engage in public health practice and research activities in country; visit public health agencies and programs in country. May be taken for credit up to six hours. **Prerequisite:** Junior or senior classification; approval of instructor.

## PHLT 481 Seminar

**Credit 1. 1 Other Hour.** Discussions of the transition from the college environment to professional school and/or career environments, including professional development. Must be taken on a satisfactory/unsatisfactory basis. **Prerequisites:** Grade of C or better in PHLT 302; grade of C or better in ENGL 103 or ENGL 104; junior or senior classification.

## PHLT 484 Internship

**Credits 0 to 12. 0 to 12 Other Hours.** Internship at a selected community, public, or private health agency; on-the-job training in the areas of public health studies industry; development of evaluations, objectives and goals determined based on the requirements of the degree program. **Prerequisites:** Junior or senior classification; grade of C or better in public health coursework; instructor approval; Public Health major.

## PHLT 485 Directed Studies

**Credits 1 to 4. 1 to 4 Other Hours.** Directed study of selected problems in the area of public health studies. May be taken four times for credit. **Prerequisite:** Approval of instructor.

## PHLT 489 Special Topics In...

**Credits 1 to 4. 1 to 4 Lecture Hours. 0 to 4 Lab Hours.** Selected topics in an identified area of public health. May be repeated for credit. **Prerequisites:** PHLT major; junior or senior classification or approval of instructor.

## PHLT 491 Research

**Credits 0 to 4. 0 to 4 Other Hours.** Research conducted under the direction of faculty member in public health studies. May be taken two times for credit. **Prerequisite:** PHLT 485; junior or senior classification and approval of instructor; 3.0 TAMU GPA.