HPCH - HEALTH PROMO COMM HLTH

HPCH 603 Social and Behavioral Determinants of Health
Credits 3. 3 Lecture Hours.
An overview of theories and principles focusing on social and behavioral
determinants of health, the social-ecological approach to the examination
of health and health behaviors, social patterns of health behavior, and
an introduction to health promotion and public health interventions.
Intended for non-majors.

HPCH 604 Social Ecology and Global Health
Credits 3. 3 Lecture Hours.
Social, behavioral and ecological interventions in developing countries
addressing major and emerging communicable diseases, pandemics,
vaccine delivery, water and food chain safety, pollution and climate
issues, addressed through theory and critical review of interventions.

HPCH 605 Applied Research Methods
Credits 3. 3 Lecture Hours.
Overview of quantitative and qualitative methods used by public
health professionals, advantages and limitations of different methods,
mechanisms for gathering data in a community setting, techniques for
managing and analyzing data, and strategies for presenting information
to community members.

HPCH 606 Public Health Informatics
Credits 3. 3 Lecture Hours.
Overview of the field of public health informatics (PHI); informatics
competencies for public health practitioners; key informatics challenges
and current topics; evidence-based public health; data and vocabulary
standards; interoperability and health information exchange; electronic
health records for public health use; methods for evaluation of disease
registries and public health surveillance systems; searching public
health literature; sociotechnical components of public health information
systems; matching business process and workflow analysis with
user and functional requirements; database design; Structured Query
Language (SQL); information visualization; bioinformatics tools. May be
taken three times for credit.

HPCH 607 Biological Basis of Health and Common Diseases
Credits 3. 3 Lecture Hours.
Designed to provide public health students grounding in the biological
basis of health human functioning and the biology of diseases that they
are likely to encounter in public health practice; overview of molecular
biology, genetics, immunology, diabetes, obesity, cardiovascular disease,
hypertension, the metabolic syndrome, cancer, respiratory infections,
intestinal infections, and emerging infectious diseases; recommended
to address health emergencies involving refugee and displaced
populations who have been displaced by war or armed conflict, famine,
infecous diseases, political turmoil or other forms of disaster; focus on
population movement, diverse sociocultural and economic demographics, and a rapidly expanding
population influence infectious disease transmission and general
population health. Information about the history and cultures of the
South Texas region provide background information for understanding the confluence of factors shaping regional public health. Economic
forces that influence health include the maquiladora system of binational
factories that operate in a free-trade zone environment and the need for
hand labor in various economic sectors in different parts of the United
States. Environmental challenges in the region include water pollution
and scarcity, air pollution, food supply problems, and poor urban and rural
infrastructure. Policy and political factors also affect population health
and economics along the border (e.g., NAFTA, homeland security, and state regulation of health insurance plans).

HPCH 608 Introduction to Border Health
Credits 3. 3 Lecture Hours.
This course introduces the U.S.-Mexico border as a dynamic region where public health problems grow out of a combination of factors in the United
States and Mexico. A major focal point is community health, to which the
course relates the various public health disciplines as an introduction to
public health. Overarching factors such as population movement, diverse sociocultural and economic demographics, and a rapidly expanding
population influence infectious disease transmission and general
population health. Information about the history and cultures of the
South Texas region provide background information for understanding the confluence of factors shaping regional public health. Economic
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hand labor in various economic sectors in different parts of the United
States. Environmental challenges in the region include water pollution
and scarcity, air pollution, food supply problems, and poor urban and rural
infrastructure. Policy and political factors also affect population health
and economics along the border (e.g., NAFTA, homeland security, and state regulation of health insurance plans).

HPCH 611 Program Planning
Credits 3. 3 Lecture Hours.
Use of theory and evidence in planning public health interventions,
appropriate objective development, integration of levels of intervention,
consolidation of intervention strategies into coherent program design,
program implementation, diffusion and institutionalization.

HPCH 612/PHSB 612P
Credits 3. 3 Lecture Hours.
Public Health Interventions. Examination of the conceptualization and
theoretical foundation, design, implementation, and effectiveness of
specific public health interventions at the individual, interpersonal,
organizational, community, and policy levels for addressing particular
chronic or infectious diseases related to health conditions or problems;
specific focus may vary by semester.

Prerequisite: HPCH 603.
Cross Listing: PHSB 612P.

HPCH 613 Program Evaluation
Credits 3. 3 Lecture Hours.
Study of program evaluation techniques; focuses on issues relevant
to the assessment and evaluation of health promotion interventions
and examines the social context of program evaluation and a variety of
epistemological orientations.

Prerequisites: HPCH 603 and HPCH 605; HPCH 611 or concurrent
enrollment.

HPCH 620 Introduction to Border Health
Credits 3. 3 Lecture Hours.
This course introduces the U.S.-Mexico border as a dynamic region where public health problems grow out of a combination of factors in the United
States and Mexico. A major focal point is community health, to which the
course relates the various public health disciplines as an introduction to
public health. Overarching factors such as population movement, diverse sociocultural and economic demographics, and a rapidly expanding
population influence infectious disease transmission and general
population health. Information about the history and cultures of the
South Texas region provide background information for understanding the confluence of factors shaping regional public health. Economic
forces that influence health include the maquiladora system of binational
factories that operate in a free-trade zone environment and the need for
hand labor in various economic sectors in different parts of the United
States. Environmental challenges in the region include water pollution
and scarcity, air pollution, food supply problems, and poor urban and rural
infrastructure. Policy and political factors also affect population health
and economics along the border (e.g., NAFTA, homeland security, and state regulation of health insurance plans).

HPCH 625 Health of Refugees and Displaced Populations
Credits 3. 3 Lecture Hours.
Basic principles, terms and tools necessary to design health interventions
to address health emergencies involving refugee and displaced
populations who have been displaced by war or armed conflict, famine,
infecous diseases, political turmoil or other forms of disaster; focus on
international and cross-cultural settings.

HPCH 635 Community Health Development
Credits 3. 3 Lecture Hours.
The theory and practice of community development for health; a
comparative study of community development models in diverse
communities; analysis of how to create systematic and sustainable
community change related to health and healthy communities, with
attention to rural, minority and underserved communities.
HPCH 636 Study in China: Global Health Experience
Credits 3. 3 Lecture Hours.
Study abroad designed for those with interests in global health; two
weeks in Nanjing, Shanghai and Beijing of China; visit different public
health agencies, health care, delivery organizations and community
health centers; attend lectures delivered by public health and medicine
faculty members from host institutes and discuss with Chinese public
health students and professionals; includes pre-travel lectures and post-
travel presentations.
Prerequisites: Approval of instructor.

HPCH 637 Principles of Health Program Management
Credits 3. 3 Lecture Hours.
This course prepares the student with knowledge and skills to assume a
role in the management of health promotion programs. The course covers
management theory, leadership, organizational assessment, planning,
decision-making, organizational structure, budgeting, marketing and
human resource management.

HPCH 638 Seminar on Alcohol, Tobacco and Other Drugs
Credits 2 to 3. 2 to 3 Lecture Hours.
In-depth study of public health issues and concerns related to alcohol,
tobacco and other drug use; includes overview of contributing causative
and mediating factors of drug use and theory-based prevention and
intervention strategies and programs.

HPCH 639 HIV/AIDS: A Public Health Issue
Credits 0 to 3. 0 to 3 Lecture Hours.
Overview of HIV/AIDS, including history of the epidemic, trends
and geographic disparities, economic and social impact, high risk
populations, prevention interventions, treatment and care; both domestic
and international aspects of the HIV/AIDS epidemic; focus on prevention
and social and policy focus that divert attention away from practical
steps that need to be taken to prevent the spread of HIV.

HPCH 640 Diet and Lifestyle Interventions for Obesity, Diabetes and
Cardiovascular Disease
Credits 3. 3 Lecture Hours.
Diet and Lifestyle Interventions for Obesity, Diabetes, and Cardiovascular
Disease. Diet and Lifestyle Interventions for Obesity, Diabetes and
Cardiovascular Disease reviews social and behavioral research related to
the prevention and control of these diseases. The course reviews policy
guidelines, the social and behavioral activities that are associated with
beneficial clinical outcomes, and the methods used to increase these
activities.

HPCH 641 Coaching Health Behavior Change
Credits 3. 3 Lecture Hours.
Training in coaching lifestyle behavior change to prevent or manage
common chronic diseases, effectiveness of lifestyle coaching; theories
and practices in coaching for disease prevention; motivational and other
interviewing techniques; goal setting and legal concerns.

HPCH 665 Proposal Writing and Grants Management
Credits 3. 3 Lecture Hours.
Introduction to skills needed to successfully develop proposals for
funding in fields related to healthcare and social services; focuses on
best methods used by community-based organizations to develop public
and private funding applications, develop and maintain relationships with
the funding agency and assess organizational implications of applying
for and managing grants.
Prerequisite: Approval of instructor.

HPCH 667 Seminar in History and Context of Public Health
Credits 3. 3 Lecture Hours.
This doctoral seminar will introduce doctoral students to major themes in
public health with emphasis on the evolution of public health problems,
and the future of public health. This course sets public health within
context and discusses relationship to other related fields of study.
Prerequisite: Approval of instructor.

HPCH 670 Seminar in Public Health Theory
Credits 3. 3 Lecture Hours.
This doctoral seminar will review and reflect upon theories and
perspectives that relate to public health problems and proposed
solutions. Students will critique current social and behavioral theories,
discussing commonalities and differences across multiple theoretical
approaches for addressing public health problems.
Prerequisite: Approval of instructor.

HPCH 671 Seminar in Public Health Interventions
Credits 3. 3 Lecture Hours.
This doctoral seminar will focus on the examination of the theoretical
foundation, implementation and effectiveness of public health
interventions from a multi-level approach. The emphasis will be on the
translation from research to practice, understanding the elements of
evidence-based intervention strategies.
Prerequisite: Approval of instructor.

HPCH 672 Seminar in Public Health Evaluation
Credits 3. 3 Lecture Hours.
This doctoral seminar will review the conceptual and methodological
elements of public health evaluations, providing an opportunity for
reflection on the strengths and weaknesses of different public health
evaluations. Students will be asked to design an evaluation strategy for a
self-identified health problem/intervention approach.
Prerequisite: Approval of instructor.

HPCH 674 Seminar in Social and Behavioral Health
Credits 3. 3 Lecture Hours.
This doctoral seminar will cover topics of interest to faculty and students
within the purview of social and behavioral health. The topic will be
assigned the first day of class by mutual agreement of participating
students and faculty. Students will be expected to reflect critically on
the assigned literature and participate in classroom discussions. May be
taken four times.
Prerequisite: Approval of instructor.

HPCH 684 Practicum
Credits 1 to 3. 1 to 3 Other Hours.
Field placement experience where students work closely with a
departmental faculty member and appropriate field professional(s)
applying skills and techniques acquired through course work. Must be
taken on a satisfactory/unsatisfactory basis.
Prerequisite: Approval of student’s academic advisor.

HPCH 685 Directed Study
Credits 1 to 12. 1 to 12 Other Hours.
Student investigation of a topic not covered by other formal courses. May
be repeated for a maximum of 12 hours total credit.
Prerequisite: Approval of academic advisor.

HPCH 686 Directed Research
Credits 1 to 9. 1 to 9 Other Hours.
Student research initiative not within the scope of a thesis or
dissertation. May be repeated for a maximum of 9 credits.
Prerequisite: Approval of academic advisor.
HPCH 689 Special Topics - Social And Behavioral Health
Credits 1 to 4. 1 to 4 Other Hours.
Revolving topics seminar in an area of specialization within the department. May be repeated for credit.

HPCH 691 Research
Credits 1 to 6. 1 to 6 Other Hours.
Research for thesis or project. May be repeated for credit. Must be taken on a satisfactory/unsatisfactory basis.
Prerequisite: Approval of academic advisor and department head.

HPCH 791 Doctoral Capstone
Credits 1 to 9. 1 to 9 Other Hours.
Doctoral dissertation or equivalent project(s). Must be taken on a satisfactory/unsatisfactory basis. May be repeated for credit.
Prerequisite: Approval of instructor.