

## Public Health

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The Program in Public Health offers graduate studies leading to a Master's degree in Public Health with specializations in Environmental Health, Epidemiology, Health Promotion, Health Policy and Management, and Community Nutrition.

## Master of Public Health

The Master of Public Health (MPH) is accredited by the Council on Education for Public Health.

The MPH program is designed to provide fundamental skills in core areas of Public Health and to serve those seeking a broader base of knowledge to improve environmental and personal health services for the community. The MPH is also offered fully Online.

The mission of the Robert Stempel School of Public Health at Florida International University is to educate, train, and serve the interests of Public Health by:

- educating and training health professionals;
- promoting health maintenance and disease prevention;
- conducting research and disseminating useful information;
- serving the health needs of minorities, the underserved and the people of South Florida;
- emphasizing our geographical location to the Caribbean and Latin America.

The MPH Program is an affiliated program offered with the Department of Epidemiology and Public Health at the University of Miami's School of Medicine.

## Admission Requirements

Applicants must meet the University's general graduate admission requirements:

1. A Bachelor's degree or equivalent from an accredited college or university or, in the case of foreign students, an institution recognized in its own country as preparing students for further study at the graduate level.

2. A minimum 3.0 GPA (on the last 60 undergraduate hours), and a combined quantitative and verbal score of 1000 on the GRE taken within the last five years; or a score of 500 on the GMAT; or a graduate degree from an accredited institution. **However, all applicants,**

**regardless of previous GPA, are required to submit the appropriate aptitude test scores.**

In addition, applicants are required to 1) submit three letters of recommendation from persons in the field of public health and the academic major at the institution most recently attended; 2) submit a written personal statement as described in the application packet provided by the Department of Public Health; 3) provide a current curriculum vitae/resume.

3). International graduate student applicants whose native language is not English are required to submit a score for the Test of English as a Foreign Language (TOEFL) or for the International English Language Testing System (IELTS). A total score of 80 on the iBT TOEFL or 6.3 overall on the IELTS is required.

Students with diverse backgrounds are encouraged to apply.

## Computer Requirements

Entering students must demonstrate basic computer literacy, either through course work or by demonstration to the advisor. Students are expected to show that they can load and run software programs, and have reasonable proficiency in word processing. Two core courses, PHC 6715 Survey Research in Public Health and IHS 6508 Public Health Statistics, require use of SPSS. This requirement will assure that students are prepared for these and other courses which require additional computer skills needed in public health practice.

## Masters Culmination

All MPH students must complete either a field-training experience or a research option as a core requirement.

## Field Experience Option

This option is a requirement for all students with less than three years of experience in a community health-oriented program. Field experience gives the student the opportunity to gain practical experience under preceptor-guided supervision in public health. Students should consult the Field Experience Coordinator for further information.

## Research Options

These options are recommended for students entering the program with three or more years of experience in a public health-related program.

## Master's Research Project

The research project affords the opportunity to conduct research on a specific public health problem or topic in either a community or institutional setting. MPH students who select the research project must choose a faculty member to direct their research. The advisor and the student may identify other resource persons to serve in an advisory capacity for the research project.

## Master's Thesis

The thesis option provides students the opportunity to conduct original research on a public health problem or topic and to report this in a scholarly manuscript. Students who select this option must choose a major professor to act as the chair of their thesis committee and two additional members. Before beginning work on a thesis, student must present a proposal to their committee for

approval. The committee will direct and supervise the work carried out by the student.

### Degree Requirements

Students must complete at least 46 semester hours of approved course work with a minimum of a 'B' average. Core Public Health courses must be passed with a grade of 'B' or higher. All work applicable to the degree must be completed within six years of first enrollment in the master's program.

### Online Master of Public Health Option

Students may take the Master of Public Health totally or partially through distant learning courses. All admissions and graduation requirements are the same. Each Online Learning class is the equivalent of an on-campus section of the same course, in terms of objectives, content, rigor, and transferability. Students must meet stated prerequisites or assessment scores, where applicable. The main difference is the degree of flexibility that Online Learning classes provide the student.

### Specialization Areas

The School offers a general MPH degree as well as six specialization areas of study leading to the Master of Public Health.

**General MPH** courses provide students with the core competencies in public health, a culminating experience, and the opportunity to take public health electives that will round out the students' personal interests and competencies.

**Biostatistics** courses incorporate concepts such as hypothesis testing for univariate and sometimes multivariate data sets. Quantitative methods from fields such as: statistics, operations research, economics and mathematics are included in course material. The discipline is designed to yield information and is connected to fields in medical informatics, and bioinformatics.

**Environmental Health** courses prepare professionals to utilize technical data, decision-making theory, managerial methods, socio-legal issues, and risk assessment in the development and implementation of public policy, environmental standards, and environmental protection programs. See also Graduate Certificate in Environmental Health and Graduate Certificate in Conflict Resolution.

**Epidemiology** courses prepare students to investigate the distribution of diseases, disease outbreaks, epidemics, and health conditions in the population, the factors determining the distribution. (See also Graduate Certificate in Epidemiology).

**Health Promotion and Disease Prevention** courses prepare students to develop and implement health promotion/health education programs in various sites. This program of study is concerned with personal and public health lifestyles, identification of risk factors and behavioral change strategies that promote positive health behaviors of individuals, groups, and community. See also Graduate Certificate in Health Promotion.

**Health Policy and Management** courses prepare students with professional education for management careers in health services organization. This program of study is concerned with the understanding of the context, management and financial issues for health care organizations by addressing the theories and issues of managing complex organizations in the public sector. See

also Graduate Certificate in Health Policy and Management.

**Community Nutrition** courses prepare students to use scientific methods of study, interpret, and apply findings to improve community nutrition problems. This program of study is focused on the ability to develop, implement, manage, and assess nutrition programs for local, state and Federal public health agencies. See also Graduate Certificate in Nutrition.

### General Core Courses: (15 credits)

IHS 6508	Health Statistics	3
PHC 6000	Introduction to Public Health Epidemiology	3
PHC 6315	Public Health and Environmental Management	3
PHC 6410	Health Behavior and Public Health	3
PHC 6xxx	Public Health Policy and Management	3

### Specialization in Public Health Courses:

#### Health Promotion and Disease Prevention (15 credits)

PHC 6501	Health Promotion Communication Theory and Design	3
PHC 6503	Community Organization for Health Promotion	3
PHC 6504	Introduction to Health Education and Wellness	3
PHC 6750	Program Development and Evaluation in Health Promotion	3
IHS 6501	Research Methods	3

#### Environmental Health (15 credits)

PHC 6310	Toxicology of Environmental Hazards	3
PHC 6311	Environmental Health Risk Assessment	3
PHC 6355	Occupational Health and Safety	3
PHC 6xxx	Current Topics in Environmental and Occu Health Research	3
PHC 6xxx	Environmental and Occupational Health Seminar	3

#### Epidemiology (15 credits)

PHC xxxx	Data Management and Applied Epidemiologic Analysis	3
PHC 6015	Epidemiologic Methods	3
PHC xxxx	Biostatistics II	3
PHC xxxx	Epidemiology of Health Disparity	3
PHC xxxx	Scientific Writing in Epidemiology and Biostatistics	3

#### Biostatistics (15 credits)

PHC xxxx	Biostatistics II	3
PHC 6715	Survey Research Methods	3
PHC 6xxx	Introduction to Logistic Regression and Survival Analysis	3
PHC 6015	Epidemiologic Methods	3
PHC 6xxx	Research Synthesis and Meta Analysis in Public Health	3

#### Health Policy and Management (15 credits)

HSA 5125	Introduction to Health Services	3
HSA 6185	Management and Organizational Theory	3
HSA 6176	Financing and Reimbursement	3
HSA 6155	Health Policy and Economics	3
HSA 6426	Health Law and Legal Aspects of Management	3

**Community Nutrition (15 credits)**

HUN 6522	Public Health Nutrition	3
HUN 5611	Nutrition Education in the Community	3
IHS 6501	Research Methods	3
HUN 6295	Contemporary Issues in Food and Nutrition	3
One of the following: (3 credits)		
HUN 6255	Nutrition in Wellness	3
HUN 5123	Ethnic Influences on Nutrition and Food Habits	3
HUN 6435	Nutrition and Aging	3
HUN 5195	International Nutrition	3

**Elective Courses: (24 credits for general MPH and 9 credits for the specialization areas)**

PHC 5409	Public Health Behavior Change Theory and Practice	3
PHC 5415	Public Health in Minority and Urban Populations	3
PHC 5120	Public Health Aspects of Complementary and Alternative Medicine	3
PHC 5930	Public Health on the Internet	1
PHC 6xxx	Introduction to Public Health Policy and Management	3
PHC 6112	Health Risk Appraisal	3
PHC 6160	Public Health Budgeting and Financial Management	3
PHC 6501	Health Promotion Communication Theory and Design	3
PHC 6502	Health Promotion in the Workplace	3
PHC 6503	Community Organization for Health Promotion	3
PHC 6504	Introduction to Health Education and Wellness	3
PHC 6580	Contemporary Issues in Health Promotion	3
PHC 6585	Health Promotion in Clinical Settings	3
PHC 6589	Health Promotion in Institutional Settings	3
PHC 6750	Program Development and Evaluation in Health Promotion	3
PHC 5009	AIDS: Contemporary Issues	3
PHC 6012	Current Research in Epidemiology	3
PHC 6014	Behavioral Epidemiology	3
PHC 6015	Epidemiological Methods	3
PHC 6016	Social Epidemiology, Health Promotion and Policy	3
PHC 6539	Health Demography	3
PHC 6009	AIDS Epidemiology and Control	3
PHC 6001	Environmental and Occupational Epidemiology	3
PHC 6004	Injury Epidemiology and Prevention	3
PHC 6307	Environmental Health Monitoring	3
PHC 6311	Environmental Health Risk Assessment	3
PHC 6355	Occupational Health and Safety	3
PHC 6356	Fundamentals of Industrial Hygiene	3
PHC 6425	Legal and Regulatory Aspects of Environmental Health	3
PHC 6520	Public Health Aspects of Foodborne Disease	3
PHC 6111	Primary Health Care Strategies	3
PHC 6115	International Public Health	3
PHC 6150	Public Health Policy Analysis and Formulation	3

PHC 6530	Principles of Maternal and Child Health	3
PHC 6538	Genetic Issues in Public Health	3
PHC 6002	Infectious and Chronic Disease Epidemiology	3
PHC 6305	Disaster and Emergency Epidemiology	3
PHC 6907	Independent Study in Public Health	1-3
PHC 7702	Advanced Measurements in Public Health	3
HSA 6175	Financial Management of Health Services	3
HSA 6197	Health Information Systems	3
HSA 6186	Organizational Behavior and Leadership	3
HSA 6187	Managing Human Resources and Health Professionals	3
HSA 6149	Strategic Planning and Marketing	3
HSA 6756	Evaluation and Outcomes Research	3
HUN 6255	Nutrition in Wellness	3
HUN 5123	Ethnic Influences on Nutrition and Food Habits	3
HUN 6435	Nutrition and Aging	3
HUN 5195	International Nutrition	3
HUN 6307	Carbohydrates and Lipids	3
HUN 6327	Proteins	3
HUN 6335	Functions of Vitamins	3
HUN 6355	Minerals in Human Nutrition	3
IHS 6501	Research Methods	3
IHS 6508	Health Statistics	3

**Capstone Courses (6 credits)**

PHC 6945	Supervised Field Experience in Public Health	3
<b>or</b>		
PHC 6977	Masters Research Project in Public Health	3
PHC 6xxx	Capstone Course in Public Health	3
<b>or</b>		
PHC 6xxx	Master's Thesis	6

**Doctor of Philosophy in Public Health**

The Doctor of Philosophy (Ph.D.) in Public Health is designed to prepare graduates to engage in research for public health practice and policy and for leadership positions in national, state, and local public health and other health agencies. The degree will provide a foundation in current public health research and practice with opportunity for specialization in one of two areas: Health Promotion or Community Nutrition. The curriculum of the doctoral program is built around eight core competencies necessary to perform essential public health services. Students will be expected to demonstrate significant research capacity by completing 60 credits beyond the Master's degree and through the writing of an original dissertation.

**Doctoral Admissions**

A student seeking admission into the Ph.D. program must have a four year bachelor's degree or equivalent from a regionally accredited institution or, in the case of foreign students, from a well established institution of higher learning that is authorized to grant degrees by appropriate authorities in that country.

The applicant should have a minimum of a "B" average in upper-division undergraduate coursework, or a graduate degree from an accredited institution.

Appropriate nationally-normed examinations are required for the Ph.D. program. The University's goal is to

select Ph.D. students whose scores are at or above the 60th percentile (e.g., 1120 combined verbal and quantitative on the GRE). The exam must have been taken within the last five years.

Potential applicants are strongly encouraged to contact individual faculty to discuss common research interests since admission decisions require identification of a potential faculty mentor. Doctoral students then work with their mentors and develop individualized programs of study designed to meet the needs of the students.

### Doctoral Requirements

A student may enroll for dissertation credits after completing all coursework, passing the candidacy examination, and being advanced to candidacy. Dissertation credits cannot be taken before advancement to candidacy.

The candidacy examination will be prepared and graded by a committee consisting of a minimum of three faculty members. Admission to candidacy requires that a majority of the committee members agree that the student passed the examination. A candidacy examination may not be passed conditionally. A "Pass" on the examination cannot be made contingent upon other factors such as the completion of additional coursework or the preparation of extra research projects. Students will be allowed only two attempts to pass the candidacy examination.

After a doctoral student is admitted to candidacy, continuous registration for at least 3 dissertation credit hours each semester (including the summer term) is required until the dissertation requirement is fulfilled.

### Required Courses

The program requires a minimum of 75 credit hours beyond the baccalaureate or 60 hours beyond the master's degree (minimum of 36 hours of coursework and a minimum of 24 hours of dissertation credits).

Students enrolling in the Ph.D. program without a Master's in Public Health may be required to complete additional coursework.

**Research Methods Courses** (minimum 15 credits with 9 at the 7000 level)

PHC 7711	Methodological Issues in Scientific Inquiry of Public Health Research	3
IHS 6507	Qualitative Research in Health and Urban Affairs	3
IHS 6510	Quantitative Research Analysis in Health and Urban Affairs II	3
IHS 6511	Quantitative Research Analysis in Health and Urban Affairs III	3
IHS 7503	Research Concepts and Proposal Development	3
PHC 7716	Advanced Research Methods: Survey Research	3
PHC 6015	Epidemiological Methods	3
IHS 6502	Principles in Clinical Trials	3
PHC 7436	Advanced Issues in Economic Evaluation of Health Care Programs	3
PHC 7702	Advanced Measurement in Public Health	3

**Courses for Health Promotion Track** (minimum 12 credits with 9 at the 7000 level)

PHC 6501	Health Promotion Communication Theory and Design	3
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PHC 6503	Community Organization in Health Promotion	3
PHC 6580	Contemporary Issues in Health Promotion	3
PHC 6589	Health Promotion in Institutional Settings	3
IHS 6934	Specialized Short Courses in Health and Urban Affairs	1-3
PHC 7502	Health Promotion in the Workplace	3
PHC 7583	Policy and Practice in Health Promotion	3
HSC 7583	Theory Development in Health Promotion	3

**Courses for Community Nutrition Track** (minimum 12 credits with 9 at the 7000 level)

IHS 6934	Specialized Short Courses in Health and Urban Affairs	1-3
FOS 6236	Food Toxicology and Food Safety	3
HUN 6255	Nutrition in Wellness Programs	3
HUN 6266	Nutritional Assessment	3
HUN 7523	Community Nutrition	3
HUN 7408	Nutrition Across the Life Span	3
HUN 7524	Nutrition Science and Implications for Community Health	3

### Additional Concentration Outside of Track

(minimum 9)

Courses to be selected in consultation with advisor from University offerings in a focused area appropriate to public health.

### Dissertation

PHC 7980 or DIE 7980	Dissertation	24
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### Course Descriptions

#### Definition of Prefix

IHS - Interdisciplinary Health Sciences  
HSC - Health Sciences  
PHC - Public Health

#### HSC 7583 Theory Development in Health Promotion

**(3).** Discussion and critique of the structural components and research processes related to the origination and construction of health promotion theories. Prerequisites: PHC 6410 and PHC 5409.

#### IHS 6501 Research Methods in Health and Social Services

**(3).** Study of scientific research, inductive and deductive thinking, research methods and design as applied to healthcare, social services and government agencies. Prerequisite: Undergraduate Statistics.

#### IHS 6508 Health Statistics

**(3).** An introduction to the basic principles of inferential statistics as applied to public health. The course includes those components of biometry routinely used in public health. Prerequisite: Undergraduate course in statistics. Open only to graduate students in Public Health. (F,S)

#### PHC 5009 AIDS: Contemporary Issues

**(3).** This course introduces the contemporary social and public health issues associated with the AIDS epidemic and the policies and programs designed to prevent HIV transmission.

#### PHC 5113 Communities and Public Health

**(3).** This course addresses the socio-historical growth of Miami-Dade's populations and explores these developments in the context of public health; including contextual, psychological and physical issues.

**PHC 5120 Public Health Aspects of Complementary and Alternative Medicine (3).** Introduction of theory, practice and scientific evidence for complementary and alternative medicine. Emphasis on regulatory issues and quality assurance; politics of use and social, cultural and historical factors.

**PHC 5409 Public Health Behavior Change Theory and Practice (3).** A course for health promotion practitioners who lack formal training in behavior change foundations and strategies. The course emphasizes applications to practical development of health promotion interventions. (S)

**PHC 5415 Public Health in Minority/Urban Population (3).** Covers the scope of Public Health Issues related to minority and urban populations with an emphasis on health care status, utilization of the health care system and expenditures. (F)

**PHC 5930 Public Health on the Internet (1).** An extensive examination of public health topics on the internet, subject varies each semester. Theoretical, conceptual, and analytical tools for electronic searching. Prerequisite: Microsoft Windows Literacy.

**PHC 6000 Introduction to Public Health Epidemiology (3).** Introduction to the study of the distribution, determinants, and measurement of health and disease in populations, including study methods and their application to specific diseases and conditions. (F,S)

**PHC 6001 Environmental and Occupational Epidemiology (3).** This course covers outbreaks; cluster analysis; cross-sectional, case-control, cohort, ecological and time series designs; surveillance programs; environmental cancer; reproductive hazards, biological monitoring and biomarkers. Prerequisites: PHC 6315 and PHC 6000.

**PHC 6002 Infectious and Chronic Disease Epidemiology (3).** A review of selected epidemiologic research methodology as it applies to infectious and chronic diseases and its application towards understanding selected major infectious and chronic diseases from a population based perspective. Prerequisite: PHC 6000 Intro to Epidemiology.

**PHC 6003 Infectious Disease Epidemiology (3).** This course covers principles specific to infectious disease epidemiology, explores the application of epidemiologic methods to infectious disease problems, and examines surveillance, and outbreak investigation. Prerequisites: PHC 6000 and IHS 6508.

**PHC 6004 Injury Epidemiology and Prevention (3).** Analyzes the impact and extent of injuries as a public health problem. Issues of prevention, sources of data, environment, social and occupational aspects are included in an epidemiological approach. Prerequisite: PHC 6000. (SS)

**PHC 6009 AIDS Epidemiology and Control (3).** Reviews the epidemiology, virology, immunology, and clinical aspects of HIV, and also examines its impact upon risk groups and the responses of society to the epidemic. (S)

**PHC 6012 Current Research in Epidemiology (3).** This course will examine current areas of research in epidemiology and bring students into contact with

researchers in various fields. Prerequisites: PHC 6000, IHS 6508. (S)

**PHC 6014 Behavioral Epidemiology (3).** This course will examine human behaviors as determinants of health and disease, methods of exploring these relationships, and ways of altering risk behaviors. Prerequisite: PHC 6000.

**PHC 6015 Epidemiological Methods (3).** This course will examine epidemiological methods emphasizing the actual conduct of studies. Students will undertake a simulated research project. Prerequisites: PHC 6000, IHS 6508. (S)

**PHC 6016 Social Epidemiology, Health Promotion and Policy (3).** Explores the epidemiological aspects of health and medical care of the poor and disadvantaged population groups. Emphasis on the relationship of organization and delivery of health care, including health promotion, prevention, and related topics. Prerequisite: PHC 6000. (F)

**PHC 6111 Primary Health Care Strategies (3).** Examines the rationale, planning and implementation of community-oriented primary health care. Emphasizes primary care as an integral part of the health care system and an essential part of public health. Prerequisites: PHC 6500 or permission of the instructor. (SS)

**PHC 6112 Health Risk Appraisal (3).** Health promotion technique designed for identifying personal health risks and the use of these methodologies for inducing behavioral change. Evaluation of the effectiveness of various health appraisal instruments. Prerequisites: PHC 6000 and IHS 6508. (F)

**PHC 6115 International Public Health (3).** This course describes international differences in the distribution and determinants of disease and health, and examines interventions aimed at improving health status. (F)

**PHC 6150 Public Health Policy Analysis and Formulation (3).** Strategies for formulating public health policy; political processes; resource allocation, organization, and participation. Examination of current policy issues and efforts to effect change. (SS)

**PHC 6160 Public Health Budgeting and Financial Management (3).** This course is designed for public health practitioners. Emphasis will be placed on models necessary to develop operational budgets in the public sector of health care and to anticipate financial anomalies.

**PHC 6305 Disaster and Emergency Epidemiology (3).** Disaster and Emergency Epidemiology studies the public health response to natural disasters, environmental emergencies and perpetuated acts of terrorism.

**PHC 6307 Environmental Health Monitoring (3).** Surveys available mechanisms utilized by public health and environmental agencies to monitor levels of pollution, environmental quality, and change in environmental conditions which impact human health. Prerequisites: PHC 6000, IHS 6508, PHC 6315. (SS)

**PHC 6310 Environmental Occupational Toxicology (3).** Theory and practice of occupational and environmental toxicology; health effects of toxins in humans; principles of toxicology; toxicokinetics; and health effects of toxins on organ systems. Prerequisite: PHC 6315.

**PHC 6311 Environmental Health Risk Assessment (3).** This course explores environmental health care management problems associated with risk to the population from exposure to particular agents and conditions. Emphasizes practical problems in risk estimation through the case method approach. Prerequisite: PHC 6315. (S)

**PHC 6315 Public Health and Environmental Management (3).** An overview of public health philosophy and government organization in the provision of official agency, environmental, and preventive medicine services, with particular emphasis on the regulatory and surveillance responsibilities authorized in the public sector. (F,S)

**PHC 6355 Occupational Health and Safety (3).** The course covers recognition of occupational hazards, injuries and diseases and the principles of occupational safety including safety regulations and standards and models of accident causation. Prerequisite: PHC 6315.

**PHC 6356 Fundamentals of Industrial Hygiene (3).** The course covers recognition, evaluation, and control of chemical biological and physical agents in the workplace; application to exposure, control measures, and standard setting procedures. Prerequisite: PHC 6315.

**PHC 6410 Health Behavior and Public Health (3).** The overall goal of this course is to introduce the student to the learning and behavioral science theories that provide the framework for the practice of health promotion and public health. Prerequisites: Public Health major or permission of the instructor. (F,S)

**PHC 6425 Legal and Regulatory Aspects of Environmental Health (3).** The application of law as it relates to the environment and human health. Legal process and rule-making; cost-benefit analysis; judicial review; evidentiary problems; and other elements of environmental law are emphasized. Prerequisites: PHC 6000, IHS 6508 and PHC 6315. (S)

**PHC 6443 Ethical Issues in Public Health (3).** The role of Bioethics on Public Health Issues. (F,S)

**PHC 6500 Foundations of Public Health Practice (3).** Philosophy, nature, and scope of public health; organization and administration; principles of disease prevention and health promotion; current issues and trends; socioeconomic and political forces. Prerequisites: Public Health major or permission of the instructor. (F,S,SS)

**PHC 6501 Health Promotion Communication Theory and Design (3).** Theory, design, and implementation of health education communication utilized in reaching the public. Emphasis on the critical analysis of the communication processes; group techniques and media methods; and the consultation process. Prerequisites: Health Promotion Concentration or by permission of the instructor. (F)

**PHC 6502 Health Promotion in the Workplace (3).** Emphasis is on program design, management, and evaluation of health promotion in industry. Current issues on health assessment, fitness, and emotional stress in the workplace will be considered. Prerequisites: Health Promotion Concentration or permission of the instructor. (SS)

**PHC 6503 Community Organization for Health Promotion (3).** Emphasis is on the diagnosis of community health problems and various organizational strategies utilized for effective solution. Review and analysis of community organization process; resources; and the role of health promotion specialist. Prerequisites: Health Promotion Concentration or permission of the instructor. (F)

**PHC 6504 Introduction to Public Health Education and Wellness (3).** Primarily intended to introduce graduate students to concepts and principles underlying the use of Public Health and Behavioral Strategies to positively influence behavioral patterns. Prerequisites: Public Health major or permission of the instructor. (S)

**PHC 6520 Public Health Aspects of Foodborne Diseases (3).** Examines the scope of the foodborne disease problem; factors that contribute to outbreak of foodborne disease; strategies for the prevention and control of these diseases are explored. Prerequisites: PHC 6000, IHS 6508, and PHC 6315. (SS)

**PHC 6530 Principles of Maternal and Child Health (3).** Covers the scope of the field of maternal and child health with emphasis on the needs of infants, children, youth, women and families in the reproductive cycle and programs designed to meet these needs. Prerequisites: Public Health major or permission of the instructor. (S)

**PHC 6538 Genetic Issues in Public Health (3).** Genetic issues and topics that impact on Public Health will be covered such as HW gene frequencies and HUGO. A public health perspective with a field of study.

**PHC 6539 Health Demography (3).** The study of basic population structure, composition, trends and relationship to health status. Implications of demographic trends, policies for public health; population growth, immigration, infant mortality. Prerequisites: IHS 6508 or permission of the instructor. (SS)

**PHC 6580 Contemporary Issues in Health Promotion (3).** Current problems and findings in health promotion content areas such as smoking, alcohol, and drug misuse, family health, safety, physical fitness, communicable and chronic diseases will be discussed. Prerequisites: PHC 6000 and IHS 6508. (SS)

**PHC 6585 Health Promotion in Clinical Settings (3).** Analysis of the role, methods, and techniques of health promotion and patient education pertaining to hospitals, clinics and other ambulatory health services. Prerequisites: PHC 6000 and IHS 6508. (S)

**PHC 6589 Health Promotion in Institutional Settings (3).** This course will investigate the role, methods and techniques used to promote health in diverse settings such as clinic and community agencies, schools, universities and workplaces. (SS)

**PHC 6715 Survey Research in Public Health (3).** Health survey design, implementation and analysis, and interpretation of data. Emphasis on practical aspects of conducting health surveys. Study of existing health surveys. Prerequisites: PHC 6000 and IHS 6508. (F,S)

**PHC 6750 Program Development and Evaluation in Health Promotion (3).** Principles and procedures in health promotion program development and evaluation.

Emphasis on needs assessment, planning models, evaluation designs, data collection, analysis and reporting. Prerequisites: PHC 6000 and IHS 6508. (SS)

**PHC 6901 Readings in Public Health (1-3).** Individual advanced study in a comprehensive overview of Public Health or in-depth advanced study of a speciality. Prerequisites: Permission of instructor and Advanced standing in the graduate program.

**PHC 6907 Independent Study: Public Health (1-3).** Allows student investigations of special topics and issues utilizing literature searches, analysis, or active performance in public health settings under the direction of faculty supervision. Prerequisite: Permission of the faculty advisor.

**PHC 6931 Emerging Public Health Issues Seminar (1).** Investigation of emerging public health issues, such as public health informatics, genomics, global health, policy and law, and public health ethics, within the framework of ecological model.

**PHC 6945 Supervised Field Experience in Public Health (1-3).** Preceptor guided experience in a public health organization. Experience will include orientation; observation; and participation in the aspects of the agency's program. Prerequisite: Permission of the faculty advisor. (F,S,SS)

**PHC 6977 Master's Research Project (3).** This course provides the student with an opportunity to explore in depth a specific topic or issue of interest in public health.

**PHC 6XXX Master's Thesis (1-6).** Supervised research on an original public health problem or topic submitted in partial fulfillment of master's degree requirement. Prerequisite: Permission of major professor. (F,S,SS)

**PHC 6XXX Introduction to Public Health Policy and Management (3).** This course introduces students to the underlying principles of public health policy and management. Emphasis is on the philosophy, and extent of public health structure, organization and administration of public health law and regulations will be analyzed.

**PHC 7436 Advanced Issues in Economic Evaluation of Health Care Programs (3).** Economic evaluation issues including cost analysis, health outcomes, health state utilities, measurement of population health measures; cost-effectiveness, cost-benefit, and cost-utility analysis. Prerequisites: Biostatistics, Health Economics.

**PHC 7502 Health Promotion in the Workplace (3).** This course emphasizes program design, management, and evaluation of health promotion in corporations. Issues in health assessment, fitness, wellness, and stress will be covered. Prerequisites: PHC 6589, PHC 6410.

**PHC 7583 Policy and Practice in Health Promotion (3).** Intensive exploration of health promotion policies with critical analysis. Preparation to develop effective policies and to assess the appropriate practice of health promotion at different levels.

**PHC 7702 Advanced Measurement in Public Health (3).** Advanced course in measurement and evaluation in public health. Computer applications for public health practice emphasized. Prerequisites: IHS 6508, PHC 6715, PHC 6750.

**PHC 7711 Methodological Issues in Scientific Inquiry of Public Health Research (3).** Understanding and application of analytical methods in the philosophy of science in order to explore systematically the critical methodological issues underlying public health research. Prerequisite: Doctoral standing.

**PHC 7716 Advanced Research Methods: Survey Research (3).** Conceptualization of survey research including how to conduct a survey and present results for professional publication. Prerequisites: Research Methods, Statistics.

**PHC 7980 Dissertation (1-12).** Research for doctoral dissertation under the supervision of a major professor and a doctoral committee. Prerequisites: Permission of instructor and doctoral candidacy.