Mission
The mission of UTHealth School of Public Health is to improve the health of the people of Texas, the nation and the world by providing the highest quality graduate education, translational research, and service to the profession and community.

CHANGE TO:

Our mission: Changing the culture of health through excellence in graduate education, research and engagement.

The vision: Health without boundaries.

Values:
- Collaborate
- Lead
- Transform
- Diversify
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*new student enrollment in this program will be discontinued effective Spring 2020*
**Customized MPH Program**

The customized MPH program is available to many of our MPH students. Students eligible for the customized MPH program include:

- students admitted to any dual degree program
- students located at any SPH campus that does not offer the degree being pursued; and
- students in the Dietetic Internship.

Students eligible for the customized MPH have the option of electing an MPH major or of electing a customized MPH degree plan. Students eligible to elect the customized MPH program will be required to complete a career goal analysis process, which includes identifying career and educational goals followed by curriculum planning with their advisor. Students will work with their advisor to select a minimum of 5 competencies to be met in an advanced public health area. These competencies are in addition to the MPH core competencies.

**Degree Requirements**

- Satisfactory completion of a prescribed course of study of at least one (1) academic year, a minimum of 45 semester credit hours (only three (3) credit hours of practicum and three (3) credit hours of thesis or culminating experience count toward the minimum of 45 semester credit hours; therefore at least 39 credit hours of courses other than practicum, thesis or culminating experience must be successfully completed), and demonstration of a breadth of knowledge in the disciplines basic to public health;
- Satisfactory completion of a planned, supervised, and evaluated practice experience (practicum) that includes the application of public health science and theory;
- Satisfactory completion of the Capstone Course or culminating experience document, written in English, demonstrating a substantial knowledge of public health; and
- Satisfactory delivery of an oral presentation of the culminating experience project. All completed written culminating experience documents will be made available to the general public.

**Practicum**

The practicum, or applied practice experience, is an essential part of the MPH curriculum and is a requirement of the Council on Education for Public Health (CEPH, the accrediting body of all U.S. schools of public health) for completion of the MPH degree. The practicum consists of an organized internship at an extramural agency or organization engaged in work related to public health. Alternatively, the practicum may be done intramurally if the project interacts with practice agencies. Students are expected to spend of at least 12 hours per week
(approximately 180-200 hours total) working on the practicum project. Registration for the practicum seminar is required during the semester of the practicum.

CHANGE TO:

**Customized MPH Plan**

The MPH Customized plan is available to many of our MPH students. Students eligible for the customized MPH program include:

- students admitted to any dual degree program, and
- students located at any SPH campus that does not offer the degree being pursued (all degree programs and majors are available at the Houston campus).

Students in the MPH Customized will work with their advisor to select and complete a minimum of nine credit hours of advanced public health coursework that meet a minimum of five unique competencies. All MPH Customized students complete the MPH core courses that are designed to meet the MPH Foundational Competencies set forth by the Council on Education for Public Health (CEPH).

**Degree Requirements**

- Satisfactory completion of a defined course of study of a minimum of 45 semester credit hours (only three (3) credit hours of practicum and three (3) credit hours of integrative learning experience; therefore at least 39 credit hours of courses other than practicum and integrative learning experience must be successfully completed);  
- Satisfactory completion of **PH 101 Foundations in Public Health** (online, not-for-credit course that covers the Foundational Knowledge Competencies set forth by CEPH) within the first year of the student’s program;  
- Satisfactory completion of a planned, supervised, and evaluated applied practice experience (practicum); and  
- Satisfactory completion of the integrative learning experience (capstone course, independent ILE or traditional academic thesis), demonstrating a substantial knowledge of public health.

**Practicum**

The applied practice experience, or practicum, is an essential part of the MPH curriculum and is required by the Council on Education for Public Health (CEPH, the accrediting body of all U.S. schools of public health) for completion of the MPH degree. The practicum consists of an organized internship at an extramural agency or organization engaged in work related to public health. The practicum experience requires that students demonstrate attainment of at least five competencies, of which at least three must be MPH Foundational Competencies. Students are expected to spend at least 12 hours per week at their practicum site (approximately 180-200 hours total). Students must produce two final products from their practicum experience.

CURRENT: pages 17-18

1. **Minor requirement for MS in Biostatistics updated**  
2. **Breadth of knowledge requirement deleted**  
3. **Degree requirements updated**

Students are encouraged to draw upon the resources of the school, but may also work with faculty at other institutions of higher learning in Houston. The academic plan is guided by the faculty advisor, the student, and the advisory committee to advance the student’s specific educational goals. A student elects one field as a major and selects another public health discipline as a minor area of study. Most full-time MS students take at least two (2) years to complete all degree requirements. The full range of courses to support a minor or breadth area may not be available at all campuses.
Degree Requirements

- Satisfactory completion of a prescribed course of study, including one major and one minor, of at least one (1) academic year and at least 36 semester credit hours. If the student chooses a practicum, no more than three (3) credit hours of practicum and three (3) credit hours of thesis count toward the minimum of 36 credit hours. If the student does not choose a practicum, no more than six (6) semester credit hours of the 36-credit-hour minimum may be earned for thesis research. Therefore, at least 30 credit hours of courses other than practicum or thesis must be successfully completed;

- Satisfactory completion of the breadth of knowledge requirement: PHM 2612 Epidemiology I

- Satisfactory completion of a research thesis, written in English, deemed by the faculty to be of excellent quality and to demonstrate an appropriate depth of knowledge in the field of study. If approved by the student’s advisory committee, a student may elect to include an article of publishable quality consistent with the standards of a peer-reviewed journal. The article is a part of the final submission to the Office of Research and contains all supporting elements of an acceptable research thesis; and

- Satisfactory delivery of an oral presentation of their thesis defense. All completed theses will be made available to the general public.

All courses taken by students count toward their degree, but no more than six (6) semester credit hours of the 36-credit-hour minimum may be earned for thesis research.

MS Public Health Breadth of Knowledge Requirement

To ensure that MS students cover the public health breadth of knowledge and achieve related competencies in their degree program, which includes the ability to synthesize and apply their public health communication, professionalism, and leadership skills to a public health problem, MS students will be required to successfully complete the following course in the first year of their MS degree program: PHM 2612 Epidemiology I

CHANGE TO:

Students are encouraged to draw upon the resources of the school when completing their thesis, but may also work with faculty at other institutions of higher learning in Houston. The academic plan is guided by the student, the faculty advisor, and the student’s thesis advisory committee to advance the student’s specific educational and professional goals. A student elects one field as a major and selects another public health discipline as a minor area of study (optional for Biostatistics majors, effective Fall 2019). Most full-time MS students take at least two (2) years to complete all degree requirements. The full range of courses to support a minor may not be available at all campuses.

Degree Requirements

- Satisfactory completion of the defined course of study, including one major and one minor (optional for Biostatistics majors, effective Fall 2019), and a minimum of 36 semester credit hours. If the student chooses a practicum, no more than three (3) credit hours of practicum and three (3) credit hours of thesis count toward the minimum of 36 credit hours. If the student does not choose a practicum, no more than six (6) semester credit hours of the 36-credit-hour minimum may be earned for thesis research. Therefore, at least 30 credit hours of coursework other than practicum or thesis must be successfully completed;

- Satisfactory completion of PH 101 Foundations in Public Health (online, not-for-credit course that covers the Foundational Knowledge Competencies set forth by CEPH) within the first year of the student’s program;

- Satisfactory completion of a research thesis deemed by the faculty to be of excellent quality and to demonstrate an appropriate depth of knowledge in the field of study. If approved by the student’s advisory committee, a student may elect to include an article of publishable quality consistent with the standards of a peer-reviewed journal. The article is a part of the final submission to the Office of Research and contains all supporting elements of an acceptable research thesis; and


• Satisfactory oral presentation and defense of their thesis. Successful completion of the thesis includes a public presentation. This presentation may be based on either the proposal or on the completed project. The decision as to when to conduct the oral presentation is determined by the student the advisory committee. All completed theses will be made available to the general public.

CURRENT: pages 19-20
1. DrPH credit hour increased to 54 credit hours from 48 credit hours
2. Breadth requirement deleted
3. Degree requirements updated
4. Practicum requirements updated

The Doctor of Public Health (DrPH) degree signifies distinguished scholarly accomplishment. The DrPH degree is a minimum of 48 semester credit hours.

In order to complete a degree with appropriate public health breadth, DrPH students are required to complete either one minor area of study (nine (9) credit hours) in one of the five public health disciplines (separate from the major area) and one public health breadth (a 9-credit hour course of study around a topical or methodological theme), or complete two minors. The disciplinary minor is based on the student’s degree plan and the required minor courses from the department. The full range of courses to support a minor or breadth area may not be available at all campuses.

Degree Requirements
• Satisfactory completion of a prescribed course of study, comprising a minimum of at least 48 semester credit hours (only three (3) credit hours of practicum and six (6) credit hours of dissertation count toward the minimum of 48 credit hours; therefore, at least 39 credit hours of courses other than practicum, thesis, or dissertation must be successfully completed). A minor or breadth area is required;
• Satisfactory completion of an original research dissertation, written in English, that makes a substantial contribution to knowledge in the public health sciences. The dissertation requirement will be fulfilled when an oral defense of the dissertation research proposal and of the completed dissertation have been successfully completed, the document has been approved and signed by all members of the dissertation committee, and a copy has been filed in the Dean’s Office. All completed dissertations will be made available to the public.

Practicum
The DrPH practicum, or applied practice experience, is designed to:
• Relate to the student’s academic goals and professional interests, as well as specific learning objectives
• Provide opportunities for professional advancement of specific competencies that the student has not yet mastered in their coursework or prior professional experience
• Facilitate the application of public health leadership principles to address a need identified by the host organization through service learning
• Demonstrate the student’s application of public health concepts through observational and performance-based evaluation by the preceptor, faculty, and student
• Provide experiences in developing advocacy and/or leadership skills through collaboration with senior public health practitioners

Students are expected to spend a total of at least 180-200 hours total at the practicum site. Community preceptors, selected based on evidence of specific skills, provide extensive mentoring to students.

Dissertation Committee
The defense of the dissertation proposal is the second part of the student’s candidacy process. Upon successful completion of the preliminary examination, students will constitute a dissertation committee composed of a dissertation advisor from the student’s major department, who may or may not be the academic advisor, and two
other members knowledgeable in the breadth and, or minor areas of interest. The dissertation committee will help develop a curriculum that supports the student’s research and career goals. This committee can be changed as research interests become more focused. The dissertation committee will also be responsible for evaluating the oral defense of the dissertation research proposal and the oral defense of the completed dissertation. The committee membership must be approved by the Director for Academic Affairs and Student Services.

CHANGE TO:

The Doctor of Public Health (DrPH) degree signifies distinguished scholarly accomplishment. The DrPH degrees in Community Health Practice and Health Promotion/Health Education both require a minimum of 54 semester credit hours (effective Fall 2019).

In order to complete a degree with appropriate public health breadth, DrPH students are required to complete one minor area of study (nine (9) credit hours) in one of the available public health disciplines, separate from the major area (effective Fall 2018). Students should discuss their minor area of interest with their advisor to determine the required minor coursework. The full range of courses to support a minor may not be available at all campuses.

Degree Requirements

- Satisfactory completion of a defined course of study in the DrPH degrees in Community Health Practice and Health Promotion/Health Education, comprising a minimum of at least 54 semester credit hours (a maximum of three (3) credit hours of practicum and six (6) credit hours of dissertation count toward the minimum of 54 credit hours; therefore, at least 45 credit hours of coursework other than practicum and dissertation must be successfully completed). A minor is required;
- Satisfactory completion of PH 101 Foundations in Public Health (online, not-for-credit course that covers the Foundational Knowledge Competencies set forth by CEPH) within the first year of the student’s program;
- Satisfactory performance (i.e., demonstrated competency) on a preliminary examination as defined by the degree program. The preliminary examination may be taken after the courses defined by the degree program have been successfully completed;
- Satisfactory defense of the dissertation proposal; and
- Satisfactory completion of an original research dissertation, through which the student produces field-based products consistent with advanced practice and are designed to influence programs, policies, or systems addressing public health. The dissertation requirement will be fulfilled when an oral defense of the dissertation research proposal and of the completed dissertation have been successfully completed, the document has been approved and signed by all members of the dissertation committee, and a copy has been filed in the Dean’s Office. All completed dissertations will be made available to the public.

Practicum

The practicum, or applied practice experience, is an essential part of the DrPH curriculum and is required by the Council on Education for Public Health (CEPH, the accrediting body of all U.S. schools of public health) for completion of the DrPH degree. The DrPH practicum is designed to relate to the student’s academic goals and professional interests. Students work with their faculty advisor or other faculty mentor to identify an appropriate advanced-level practicum experience that is meaningful for an organization and that advances public health practice. The DrPH program ensures that students have significant advanced-level practical experiences collaborating with practitioners, allowing opportunities to develop leadership competencies and contribute to the field. Students must choose at least five competencies from DrPH Foundational Competencies or DrPH major-specific competencies, which are primarily taught and assessed in the required coursework for the given major, with at least one leadership competency. DrPH students must complete at least one (minimum) final product and a reflection paper. Students must complete at least 180 hours at one or more practicum sites, which must be in a non-academic setting, unless the setting is externally facing, engaged in the community, and prior approval is obtained.
Dissertation Committee

The defense of the dissertation proposal is the second part of the student's candidacy process. Upon successful completion of the preliminary examination, students will constitute a dissertation committee composed of a dissertation advisor from the student's major department, who may or may not be the academic advisor, and another member knowledgeable in the minor. The dissertation committee will help develop a curriculum that supports the student's research and career goals. This committee can be changed as research interests become more focused. The dissertation committee will also be responsible for evaluating the oral defense of the dissertation research proposal and the oral defense of the completed dissertation, as well as the final written product. The committee membership must be approved by the Office of Academic Affairs and Student Services.

CURRENT: pages 24-26

1. Degree requirements updated
2. Dissertation committee verbiage updated

Degree Requirements

- For students with a master’s degree, satisfactory completion of a prescribed course of study of at least one (1) academic year and a minimum of at least 48 semester credit hours (only three (3) credit hours of practicum, if taken), and six (6) credit hours of dissertation count toward the minimum of 48 credit hours; therefore, at least 39 credit hours of courses other than practicum, thesis, or dissertation); for students with a bachelor's degree, satisfactory completion of a prescribed course of study of at least one (1) academic year and a minimum of at least 72 semester credit hours. Two minors or a minor and a breadth area are required;
- Satisfactory completion of one epidemiology course, if one is not already covered in the major, minor, or breadth areas;
- Satisfactory performance (i.e., demonstrated competency) on a preliminary examination as described by the degree program. The preliminary examination may be taken after the courses prescribed by the degree program have been successfully completed;
- Satisfactory defense of the dissertation proposal; and
- Satisfactory completion of an original research dissertation, written in English, that makes a substantial contribution to knowledge in the public health sciences. The dissertation requirement will be fulfilled when an oral defense of the dissertation research proposal and of the completed dissertation have been successfully completed, the document has been approved and signed by all members of the dissertation committee, and a copy has been filed in the Dean’s Office. All completed dissertations will be made available to the general public.

Dissertation Committee

The defense of the dissertation proposal is the second part of the student’s candidacy process. Upon successful completion of the preliminary examination, students will constitute a dissertation committee composed of a dissertation advisor from the student’s major department, who may or may not be the academic advisor, and two other members knowledgeable in the breadth and minor areas of interest. The dissertation committee will help develop curriculum that supports the student’s research and career goals. This committee can be changed as research interests become more focused. The dissertation committee will also be responsible for evaluating the oral defense of the dissertation research proposal and the oral defense of the completed dissertation. Committee membership must be approved by the Director of Academic Affairs and Student Services.

CHANGE TO:

Degree Requirements
• For students with a master’s degree, satisfactory completion of a defined course of study of at least one (1) academic year and a minimum of at least 48 semester credit hours (only three (3) credit hours of practicum, if taken), and six (6) credit hours of dissertation count toward the minimum of 48 credit hours; therefore, at least 39 credit hours of courses other than practicum, thesis, or dissertation; for students with a bachelor’s degree, satisfactory completion of a defined course of study of at least one (1) academic year and a minimum of at least 72 semester credit hours. Two minors or a minor and a breadth area are required;

• Satisfactory completion of PH 101 Foundations in Public Health (online, not-for-credit course that covers the Foundational Knowledge Competencies set forth by CEPH) within the first year of the student’s program;

• Satisfactory completion of one epidemiology course, if one is not already covered in the major, minor, or breadth areas;

• Satisfactory performance (i.e., demonstrated competency) on a preliminary examination as defined by the degree program. The preliminary examination may be taken after the courses defined by the degree program have been successfully completed;

• Satisfactory defense of the dissertation proposal; and

• Satisfactory completion of an original research dissertation that makes a substantial contribution to knowledge in the public health sciences. The dissertation requirement will be fulfilled when an oral defense of the dissertation research proposal and of the completed dissertation have been successfully completed, the document has been approved and signed by all members of the dissertation committee, and a copy has been filed in the Dean’s Office. All completed dissertations will be made available to the general public.

Dissertation Committee
The defense of the dissertation proposal is the second part of the student’s candidacy process. Upon successful completion of the preliminary examination, students will constitute a dissertation committee comprised of a dissertation advisor from the student’s major department, who may or may not be the academic advisor, and two other members knowledgeable in the breadth and minor areas of interest. The dissertation committee will help develop curriculum that supports the student’s research and career goals. This committee can be changed as research interests become more focused. The dissertation committee will also be responsible for evaluating the oral defense of the dissertation research proposal and the oral defense of the completed dissertation, as well as the final written product. Committee membership must be approved by the Director of Academic Affairs and Student Services.

CURRENT: page 28
1. Advanced Data Science Certificate added for degree-seeking students; effective Fall 2019
2. Advanced Data Science Certificate added for non-degree seeking students; effective Spring 2020
3. Global Health Certificate added for non-degree seeking students; effective Spring 2020
4. Leadership Theory and Practice Certificate added for degree-seeking students; effective Fall 2019
5. Leadership Theory and Practice Certificate added for non-degree-seeking students; effective Spring 2020
6. Program Planning and Evaluation Certificate added for degree-seeking students; effective Fall 2019
7. Program Planning and Evaluation Certificate added for non-degree-seeking students; effective Spring 2020

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**Leadership Theory and Practice (12 semester credit hours)**

This certificate provides students with the theories behind leadership excellence as well as discussion on current leadership issues. Courses bring in public health leaders to discuss their leadership styles, past and current issues, and advice for students.

**Program Planning and Evaluation Certificate (15 semester credit hours)**

This certificate is designed to prepare those in the public health workforce to identify behavioral and environmental determinants of health that are modifiable, and to plan and evaluate effective health promotion programs and policies to promote healthy lifestyles and prevent disease in diverse populations and settings.

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**CURRENT: page 30**

1. Dietetic Internship section updated
2. Industrial Hygiene Description added
3. Residency Program in Occupational and Environmental Medicine updated

**Dietetic Internship**

The Dietetic Internship Program offers the opportunity to pursue a dietetic internship in conjunction with a graduate degree in public health. This is a two-year program with a program fee of $5,000 effective Fall 2018. To be eligible to apply for this program, individuals must have a background in nutrition and dietetics and a verification statement from a didactic program in dietetics. Separate applications are required for each program, and admission to one program does not guarantee admission to the other. Applications for fall admission to UTHealth School of Public Health must be received by December 1st of the year prior to anticipated admission; applications for the dietetic internship through DICAS must be received by February 15th. The Dietetic Internship Program is fully accredited by the Academy of Nutrition and Dietetics and participates in their national matching program. The program is also approved by The Accreditation Council for Education in Dietetic. The Dietetic Internship Program provides more than 1200 supervised practice hours in four major areas of dietetics: Public Health Nutrition, Food Service Systems Management, Medical Nutrition Therapy, and Specialty Practice. Students...
accepted into the program are placed in affiliated entities and institutions within the Texas Medical Center and throughout the city of Houston and Harris County. The Dietetic Internship Program is administered through the Michael & Susan Dell Center for Healthy Living (www.msdcenter.org). For further information on the Dietetic Internship Program, please see the website at https://sph.uth.edu/research/centers/dell/dietetic-internship-program/.

Residency Program in Occupational and Environmental Medicine
The Residency Program in Occupational and Environmental Medicine has been continuously accredited since 1977 by the Accreditation Council for Graduate Medical Education (ACGME) and offers occupational and environmental medicine residency training to qualified physicians in preparation for certification by the American Board of Preventive Medicine. The residency consists of a two-year plan of study (including a specialized MPH curriculum and progressive clinical training). Applicants must possess the MD or DO degree and must have completed a minimum of one (1) year of clinical training in an ACGME-accredited program. Residency application is via the Electronic Residency Application Service (ERAS) of the American Association of Medical Colleges. Candidates not already holding the MPH degree or its equivalent must apply for and achieve admission to the MPH degree program at UTHealth School of Public Health prior to joining the residency. More information on the Residency Program in Occupational and Environmental Medicine can be found on the UTHealth School of Public Health website.

CHANGE TO:

Dietetic Internship
The Dietetic Internship Program offers the opportunity to pursue a dietetic internship in conjunction with a graduate degree in public health. This is a two-year program with a program fee of $5,000 effective Fall 2018. To be eligible to apply for this program, individuals must have a background in nutrition and dietetics and a verification statement from a didactic program in dietetics. Separate applications are required for each program, and admission to one program does not guarantee admission to the other. Applications for fall admission to UTHealth School of Public Health must be received by December 1st of the year prior to anticipated admission; applications for the dietetic internship through DICAS must be received by February 15th. The Dietetic Internship Program is fully accredited by the Academy of Nutrition and Dietetics and participates in their national matching program. The program is also approved by The Accreditation Council for Education in Dietetic. The Dietetic Internship Program provides more than 1200 supervised practice hours in four major areas of dietetics: Public Health Nutrition, Food Service Systems Management, Medical Nutrition Therapy, and Specialty Practice. Students accepted into the program are placed in affiliated entities and institutions within the Texas Medical Center and throughout the city of Houston and Harris County. The Dietetic Internship Program is administered through the Michael & Susan Dell Center for Healthy Living (www.msdcenter.org). The MPH, Health Promotion/Health Education, Dietetic Internship course of study is outlined in the Health Promotion and Behavioral Sciences section of the catalog. For further information on the Dietetic Internship Program, please see the website at https://sph.uth.edu/research/centers/dell/dietetic-internship-program/.

Industrial Hygiene
Industrial hygiene is the science devoted to anticipating, recognizing, evaluating, and controlling environmental factors posing risk to workers and the community, which arise from the workplace. The industrial hygiene curriculum for the MPH is accredited by the Applied Science Accreditation Commission of ABET https://www.abet.org/. A high level of faculty/student interaction is emphasized and students typically gain practical experience through summer internships, which offer a wealth of opportunities for training in industrial settings, healthcare, petroleum and petrochemicals, agriculture, and public and private business and government sectors. Industrial hygiene is a discipline within occupational health and safety (OHS), which is a professionally exciting and rewarding field of public health that includes all other aspects of public health such as epidemiology, health promotion, management, global health and wellness, and other disciplines. Being an OHS practitioner helps to save lives of working people and promotes a grounded quality of life for their families and communities. The interdisciplinary curriculum is based on a public health model for practice. Graduates are prepared to
participate in a multi-disciplinary approach to planning, implementing, managing, and evaluating programs and services for worker health and safety. Students who elect to complete the optional Industrial Hygiene curriculum are required to complete the listed 14 credit hours in addition to their Public Health Core Courses, Environmental Health Required Courses, Practicum and Integrative Learning Experience. Students in the Industrial Hygiene program will complete the 14 credit hours of coursework; PH 1700 Intermediate Biostatistics, PH 2155 Environmental Sampling & Analysis, PH 2250 Occupational Health Controls, and PH 2260 Occupational Health Field Trips, in lieu of electives. Students who elect to complete the optional Industrial Hygiene curriculum select PH 2245 Fundamentals of Industrial Hygiene (4 credits) from the three options listed under the major courses selections in the MPH course of study. Students who elect to complete the optional Industrial Hygiene curriculum will complete a minimum of 51 credit hours per the degree planner.

Residency Program in Occupational and Environmental Medicine
The Residency Program in Occupational and Environmental Medicine has been continuously accredited since 1977 by the Accreditation Council for Graduate Medical Education (ACGME) and offers occupational and environmental medicine residency training to qualified physicians in preparation for certification by the American Board of Preventive Medicine. The residency consists of a two-year plan of study (including a specialized MPH curriculum and progressive clinical training). Applicants must possess the MD or DO degree and must have completed a minimum of one (1) year of clinical training in an ACGME-accredited program. Residency application is via the Electronic Residency Application Service (ERAS) of the American Association of Medical Colleges. Candidates not already holding the MPH degree or its equivalent must apply for and achieve admission to the MPH degree program at UTHealth School of Public Health prior to joining the residency. More information on the Residency Program in Occupational and Environmental Medicine can be found on the UTHealth School of Public Health website. Students who elect to complete the optional Occupational Medicine Residency curriculum are required to complete the listed 13 credit hours in addition to their Public Health Core Courses, Environmental Health Required Courses, Practicum in Occupational Medicine (PH 9997M) and Integrative Learning Experience. Occupational Medicine Residents will complete the 13 credit hours of coursework; PH 2255 Clinical Occupational Medicine, PH 2260 Occupational Health Field Trips, PH 2265 Occupational Medicine Practice (taken twice), PH 2270 Total Worker Health and Worker Well-being, in lieu of electives. Occupational Medicine Residents must select PH 2245 Fundamentals of Industrial Hygiene (4 credits) from the three options listed under the major courses selections in the MPH course of study. Occupational Medicine Residents will complete a minimum of 50 credit hours per the degree planner.

1. **UTHealth School of Public Health online course fees update.** *(SPH Web Course Delivered out of State was removed; SPH Web Course Delivered within Texas changed to $75/per SCH)*

   **Fees and Charges**
   Alternative Instruction Delivery Fee –
   - SPH Web Course Delivered within Texas $50/per semester credit hour
   - SPH Web Course Delivered out of state $750/per semester credit hour

**CHANGE TO:**

**Fees and Charges**
Alternative Instruction Delivery Fee –
- SPH Web Course Delivered within Texas $75/per semester credit hour

1. **Course requirements reduced for the Minor in Biostatistics**
2. **PH 1820 title corrected**

**Minor in Biostatistics**
The department offers a minor course of study (nine (9) semester credit hours) for MS, DrPH, and PhD students who are majoring in other public health disciplines. Courses required for the minor include:

- Masters students: PHM 1690 Introduction to Biostatistics in Public Health, PH 1700 Intermediate Biostatistics and at least two Biostatistics electives above PH 1700
- Doctoral students: PHM 1690 Introduction to Biostatistics in Public Health, PH 1700 Intermediate Biostatistics and at least three Biostatistics electives above PH 1700

PH 1820 Regression Techniques is strongly recommended as an elective for all students.

CHANGE TO:

Minor in Biostatistics
The department offers a minor course of study (at least nine (9) semester credit hours) for MS, DrPH, and PhD students who are majoring in other public health disciplines. Courses required for the minor include:

- Masters students: PHM 1690 Introduction to Biostatistics in Public Health, PH 1700 Intermediate Biostatistics and at least one Biostatistics elective above PH 1700
- Doctoral students: PHM 1690 Introduction to Biostatistics in Public Health, PH 1700 Intermediate Biostatistics and at least two Biostatistics electives above PH 1700 (Note: PHM 1690 Introduction to Biostatistics in Public Health is a prerequisite to PH 1700 but may be waived depending on the student’s background.)

PH 1820 Applied Linear Regression is strongly recommended as an elective for all students.

CURRENT: page 41
1. Public Health 101 requirement added
2. Major courses requirements updated
3. Elective requirements updated
4. ILE options updated

Master of Public Health (MPH) Degree Program
The MPH in Biostatistics is a minimum of 45 semester credit hours and designed to prepare students for positions that require a broad knowledge of public health as well as specialized knowledge of biostatistics. In particular, students will have the opportunity to learn applied biostatistical analysis, statistical theory, study design, data management, and ethics of research.

Course of Study
The following courses are required, except in the case of a waiver (waiver process varies by program), for an MPH student majoring in Biostatistics:

- Major courses: PH 1700 Intermediate Biostatistics, and PH 1820 Regression Techniques
- At least two courses from: PH 1821 Applied Multivariate Analysis for Biostatics, PH 1830 Categorical Data Analysis, or PH 1831 Survival Analysis
- Biostatistics Electives
- Applied Practice Experience: PH 9997 Practicum
- Integrative Learning Experience: PHM 1996 Capstone for BIOS Students or PHM 9998 Thesis Research

CHANGE TO:

Master of Public Health (MPH) Degree Program (new student enrollment in this program will be discontinued in Spring 2020)
The MPH in Biostatistics requires a minimum of 45 semester credit hours and is designed to prepare students for positions that require a broad knowledge of public health as well as specialized knowledge of biostatistics. In
particular, students will have the opportunity to learn applied biostatistical analysis, statistical theory, study design, data management, and ethics of research.

**Course of Study**
The following courses are required for a MPH student majoring in Biostatistics:

- **Other Required Course:** PH 101 *Foundations in Public Health* (online, not-for-credit course that covers the Foundational Knowledge Competencies set forth by CEPH)
- **MPH Core Courses:** PHM 1110, PHM 1690, PHWM 2110, PHM 2612, PHM 3715, & PH 5015
- **Major courses:** PHM 1700 *Intermediate Biostatistics* & PH 1820 *Applied Linear Regression* & PH 1821 *Applied Multivariate Analysis for Biostatistics* & PH 1830 *Categorical Data Analysis* & PH 1831 *Survival Analysis*
- **Six Credit Hours in Biostatistics Electives (1700-1999)**
- **Applied Practice Experience:** PH 9997 *Practicum*
- **Integrative Learning Experience:** PHM 1996 *Capstone for BIO Students* (when completing an independent ILE) OR PHM 9998 *Culminating Experience/Thesis Research* (when completing a traditional academic thesis)

**Course of Study**
The following courses are required, except in the case of a waiver (waiver process varies by program), for an MS student majoring in Biostatistics:

- **Leveling and Other Required Courses:** PH 101 *Foundations in Public Health* & PHM 1690 *Introduction to Biostatistics in Public Health* (academic credits from leveling courses do not count towards the total required number of credits for the degree program)
- **MS Core Courses:** PH 1820 *Applied Linear Regression*; PH 1821 *Applied Multivariate Analysis*
- **Major courses:** PH 1910 *Probability and Distribution Theory*; PH 1911 *Statistical Inference*; PH 1830 *Categorical Data Analysis*; PH 1831 *Survival Analysis*
- **Epidemiology Minor:** PH 2612 *Epidemiology I* & 6-credits of epidemiology electives
- **Biostatistics Electives**
- **PHM 9998 Thesis Research**

**CHANGE TO:**

**Course of Study**
The following courses are required for an MS student majoring in Biostatistics:

- **Leveling and Other Required Courses:** PH 101 *Foundations in Public Health* (online, not-for-credit course that covers the Foundational Knowledge Competencies set forth by CEPH) & PHM 1690 *Introduction to Biostatistics in Public Health* (academic credits from leveling courses do not count towards the total required number of credits for the degree program)
- **Major Courses:** PHM 1700 *Intermediate Biostatistics* & PH 1820 *Applied Linear Regression* & PH 1821 *Applied Multivariate Analysis* & PH 1830 *Categorical Data Analysis* & PH 1831 *Survival Analysis* & PH 1910 *Probability and Distribution Theory* & PH 1911 *Statistical Inference*
- **Twelve Credit Hours of Elective Coursework:**
  - Students are required to complete 12 credit hours of elective coursework. Students must complete a 3 credit hour epidemiology course of their choice (2600-2999). Students are encouraged to complete elective coursework in biostatistics (1700-1999; not already on the
degree planner). Students should consult with their advisor when selecting elective courses. Students may also elect to complete a minor outside of their department. Students who opt to complete a minor should consult with their advisor and the minor’s department for requirements.

- **PHM 9998 Culminating Experience/Thesis Research**

**CURRENT:** page 43

1. **Course of study for direct admission to the PhD program in biostatistics added**

**Direct Admission to the PhD Program**

Applicants with a BS or BA degree (or foreign equivalent) in one of these areas with appropriate grounding in mathematics and statistics and who show promise for advanced studies may be admitted directly into the PhD program. Applicants with graduate degrees that are not in one of these areas who have the requisite statistical training may be admitted to the PhD program. All admissions require approval of faculty. The course of study for direct admission to the PhD requires completion of 72 credit hours.

**CHANGE TO:**

**Direct Admission to the PhD Program in Biostatistics**

Applicants with a BS or BA degree (or foreign equivalent) in one of these areas with appropriate grounding in mathematics and statistics and who show promise for advanced studies may be admitted directly into the PhD program. Applicants with graduate degrees that are not in one of these areas who have the requisite statistical training may be admitted to the PhD program. All admissions require approval of faculty. The course of study for direct admission to the PhD requires completion of 72 credit hours.

**Course of Study**

The following courses are required for a direct admit PhD student in Biostatistics:

- **Other Required Course:** PH 101 *Foundations in Public Health* (online, not-for-credit course that covers the Foundational Knowledge Competencies set forth by CEPH) Masters Equivalent Coursework: PHM 1700 *Intermediate Biostatistics* & PH 1820 *Applied Linear Regression* & PH 1821 *Applied Multivariate Analysis for Biostatistics* & PH 1830 *Categorical Data Analysis* & PH 1910 *Probability and Distribution Theory*.


- **One breadth and one minor or two minors**
  - Students are required to elect a minor outside their department. Students should consult with their advisor and the minor’s department for requirements. Students may choose to complete a breadth or second minor. Students who do not elect an epidemiology minor must complete a three (3) credit hour epidemiology course as part of the breadth (2600-2999). Students who do complete an epidemiology minor must complete a three (3) credit hour course outside of both epidemiology and biostatistics for the breadth. Students who choose to complete a breadth should consult with their advisor to determine which courses are most appropriate for their academic and professional goals. Students who choose to complete a second minor should consult with their advisor and the minor’s department for requirements.

- **Biostatistics Electives**
  - Students are required to complete a minimum of 14 credit hours of electives from any biostatistics course above the 1700 level that is not already required on the degree planner.
Course of Study

The following courses are required, except in the case of a waiver (waiver process varies by program), for a PhD student in Biostatistics:

- **Leveling Courses:** PHM 1690 Introduction to Biostatistics in Public Health; PH 1700 Intermediate Biostatistics; PH 1820 Applied Linear Regression; PH 1910 Probability and Distribution Theory
  *Leveling courses are not counted in the credit-hour minimum for the degree.*
- **Core Courses:** PH 1821 Applied Multivariate Analysis for Biostatistics; PH 1830 Categorical Data Analysis; PH 1911 Statistical Inference; PHD 1915 Linear Models I; PH 1988 Biostatistics Seminar
- **Major Courses:** PH 1831 Survival Analysis; PHD 1950 Stochastic Processes for Biostatisticians I
- **One of the following courses to be completed in the first year:** PHM 2612 Epidemiology I; PHD 3620 Principles and Practice of Public Health
- One breadth and one minor OR two minors
- Biostatistics Electives
- PHD 9999 Dissertation Research

CHANGE TO:

Course of Study

The following courses are required for a PhD student in Biostatistics:

- **Leveling and Other Required Courses:** PH 101 Foundations in Public Health (online, not-for-credit course that covers the Foundational Knowledge Competencies set forth by CEPH) & PHM 1700 Intermediate Biostatistics & PH 1820 Applied Linear Regression* & PH 1821 Applied Multivariate Analysis for Biostatistics * & PH 1830 Categorical Data Analysis* & PH 1910 Probability and Distribution Theory* (academic credits from leveling courses do not count towards the total required number of credits for the degree program).
- One breadth and one minor OR two minors
  - Students are required to elect a minor outside their department. Students should consult with their advisor and the minor’s department for requirements. Students may choose to complete a breadth or second minor. Students who do not elect an epidemiology minor must complete a 3 credit hour epidemiology course as part of the breadth (2600-2999). Students who do complete an epidemiology minor must complete a three (3) credit hour course outside of both epidemiology and biostatistics for the breadth. Students who choose to complete a breadth should consult with their advisor to determine which courses are most appropriate for their
academic and professional goals. Students who choose to complete a second minor should consult with their advisor and the minor’s department for requirements.

- Biostatistics Electives
  - Students are required to complete a minimum of five (5) credit hours of electives from any biostatistics course above the 1700 level that is not already required on the degree planner (1700-1999). Students should consult with their advisor when selecting elective courses coursework appropriate for the student’s research and career goals.

- PHD 1995 Research Practice Experience for Biostatistics Students
- PHD 9999 Dissertation Research

*Students must successfully complete each course indicated with an asterisk (*) prior to sitting for the preliminary exam.

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CURRENT: page 44
1. **PH 1820 course title corrected**

   **PH 1820 Regression Techniques**
   3 credits

CHANGE TO:

   **PH 1820 Applied Linear Regression**
   3 credits

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CURRENT: page 45
1. **PH 1700 credit hours decreased to 3 credit hours from 4 credit hours**

   **PH 1700 Intermediate Biostatistics**
   4 credits

CHANGE TO:

   **PH 1700 Intermediate Biostatistics**
   3 credits

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CURRENT: page 46
1. **PHD 1912 course added**

CHANGE TO:

   **PHD 1912 Large Sample Theory**
   3 credits

Large sample theory constitutes a coherent body of concepts and results that are central to both theoretical and applied statistics, and underlies much of the work on fundamental biostatistical topics such as likelihood ratio tests and bootstrapping. The course will start from the introduction to real analysis including limits and order, and basic probabilistic tools. The fundamental large-sample theory most relevant to biostatistical applications will then be taught, including convergence and large sample tests.

Prerequisites: Calculus & Linear Algebra & PH 1910 & PH 1911

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CURRENT: page 49
1. PHD 1995 Research Practice Experience for Biostatistics Students course added
2. PHM 1996 Prerequisites update

PHM 1996 Capstone for BIOS Students
3 credits
This integrative learning experience is designed to demonstrate synthesis of major themes from the MPH core and major-specific courses. Students produce at least one high-quality written product.

CHANGE TO:

PHD 1995 Research Practice Experience for Biostatistics Students
3 credits
A research practice experience is a unique learning experience that PhD students in Biostatistics must acquire. This opportunity allows students to apply classroom education towards a real-world public health work setting.

PHM 1996 Capstone for BIOS Students
3 credits
This integrative learning experience is designed to demonstrate synthesis of major themes from the MPH core and major-specific courses. Students produce at least one high-quality written product.
Prerequisites: Student must be a MPH Biostatistics major; completed the MPH core courses; completed at least 30 semester credit hours the semester before enrolling in capstone; and completed or concurrent enrollment in Practicum, PH 9997.

CURRENT: page 52
1. Public Health 101 requirement to both course of studies added
2. Major course requirements in both course of studies updated
3. Elective requirements in both course of studies updated
4. ILE options updated

Course of Study
The following courses are required, except in the case of a waiver (waiver process varies by program), for an MPH student majoring in Epidemiology:

- MPH Core: PHM 1690, PHM 2612, PHM 3715, PHM 1110, PHWM 2110 & PHM 5015
- Major Courses: PH 2615 Epidemiology II, PH 2710 Epidemiology III & PH 1700 Intermediate Biostatistics
- Electives; at least two courses must be Epidemiology courses
- Integrative Learning Experience: PHM 2996 Capstone for EPID Students or PHM 9998 Thesis Research
- Applied Practice: PH 9997 Practicum

Master of Science (MS) Degree Program
The MS in Epidemiology is a minimum of 36 semester credit hours and is a research degree designed to provide an understanding of epidemiologic concepts, theories, and methodology. To a large extent, this degree program will be arranged by each student, in consultation with the advisory committee, in order to meet the student’s specific educational goals. Adequate understanding of human diseases, including their natural history, etiology, pathogenesis, and prevention or control, may require moderate or advanced preparation in related laboratory or environmental sciences. Students are encouraged to draw upon outside resources (academic, governmental, clinical, etc.) in order to acquire knowledge and skills requisite to their specific educational goals.

Course of Study
The following courses are required for an MS student majoring in Epidemiology:
- Major Courses: PHM 2612 Epidemiology I; PH 2615 Epidemiology II; PH 2710 Epidemiology III; PHM 2720 Epidemiology Proposal Development
Required Courses: PHM 1690 Introduction to Biostatistics in Public Health & PH 1700 Intermediate Biostatistics

Minor from another department

Electives; at least two courses must be Epidemiology courses

PHM 9998 Thesis Research

CHANGE TO:

Course of Study
The following courses are required for an MPH student majoring in Epidemiology:

- Other Required Course: PH 101 Foundations in Public Health (online, not-for-credit course that covers the Foundational Knowledge Competencies set forth by CEPH)
- MPH Core Courses: PHM 1110, PHM 1690, PHWM 2110, PHM 2612, PHM 3715, & PH 5015
- Major Courses: PHM 1700 Intermediate Biostatistics & PH 2615 Epidemiology II & PH 2710 Epidemiology III
- Emphasis Area: Six (6) credit hours of selected epidemiology coursework (2600-2999) in Public Health Practice or Public Health Research. Students should consult with their advisor when selecting which track to complete.
  - Public Health Practice: Students who elect to complete an emphasis area in public health practice should work with their advisor when selecting coursework appropriate for the academic and professional goals.
  - Public Health Research: Students who elect to complete an emphasis area in public health research should work with their advisor when selecting coursework appropriate for the academic and professional goals. Students are strongly encouraged to enroll in PH 2720 Epidemiologic Proposal Development and PH 2858 Quantitative Analysis for Public Health Research and Practice. Students who elect to complete public health research coursework are expected to complete a traditional academic thesis as their integrative learning experience.
- Electives: Six (6) credit hours of elective coursework
- Applied Practice Experience: PH 9997 Practicum
- Integrative Learning Experience: PHWM 2996 Capstone for EPID Students or PHM 9998 Culminating Experience/Thesis Research (for students completing an independent ILE or traditional academic thesis)

Master of Science (MS) Degree Program  [new student enrollment in this program will not be accepted effective Spring 2020]
The MS in Epidemiology is a minimum of 36 semester credit hours and is a research degree designed to provide an understanding of epidemiologic concepts, theories, and methodology. Adequate understanding of human diseases, including their natural history, etiology, pathogenesis, and prevention or control, may require moderate or advanced preparation in related laboratory or environmental sciences.

Course of Study
The following courses are required for an MS student majoring in Epidemiology:

- Other Required Course: PH 101 Foundations in Public Health (online, not-for-credit course that covers the Foundational Knowledge Competencies set forth by CEPH)
- Major Courses: PHM 2612 Epidemiology I & PH 2615 Epidemiology II & PH 2710 Epidemiology III & PHM 2720 Epidemiology Proposal Development
- Other Required Courses: PHM 1690 Introduction to Biostatistics in Public Health & PH 1700 Intermediate Biostatistics
- Minor from another department
- Electives: Students are required to complete a minimum of five (5) credit hours of epidemiology electives (2600-2999).
- PHM 9998 Thesis Research
1. Course of study for direct admission to the PhD program in epidemiology added

**Direct Admission to the PhD Program**

Direct Admission to a PhD Program Applicants with a BA or BS degree (or foreign equivalent) may be directly admitted into the PhD program. Applicants requesting direct admission into the PhD program should have a bachelor’s degree that emphasizes the development of strong scientific and analytical skills. Applicants should also provide evidence of solid academic achievement, including successful completion of advanced courses in a biological science and two semesters of college-level calculus courses, as well as demonstrated oral and written communication skills. The course of study for direct admission to the PhD requires completion of 72 credit hours. See “Application Procedures and Deadline Dates” section for a list of required application materials, and “Admissions Process” section for factors considered in the admission decision.

**CHANGE TO:**

**Direct Admission to the PhD Program in Epidemiology**

Direct Admission to a PhD Program Applicants with a BA or BS degree (or foreign equivalent) may be directly admitted into the PhD program. Applicants requesting direct admission into the PhD program should have a bachelor’s degree that emphasizes the development of strong scientific and analytical skills. Applicants should also provide evidence of solid academic achievement, including successful completion of advanced courses in a biological science and two semesters of college-level calculus courses, as well as demonstrated oral and written communication skills. The course of study for direct admission to the PhD requires completion of 72 credit hours. See “Application Procedures and Deadline Dates” section for a list of required application materials, and “Admissions Process” section for factors considered in the admission decision.

**Course of Study**

Students pursuing a PhD in Epidemiology are required to select one disciplinary minor area of study and one defined breadth area of study or two minor areas of study. While the breadth may be selected from among the areas of study offered by the Department of Epidemiology, Human Genetics and Environmental Sciences, the other must be chosen from a different department. For example, a student might minor in biostatistics and develop a breadth area of study in genetics.

The following courses are required for a direct admit PhD student majoring in Epidemiology:

- **Other Required Course:** PH 101 *Foundations in Public Health* (online, not-for-credit course that covers the Foundational Knowledge Competencies set forth by CEPH)
- **Masters Equivalent Coursework:** PHM 1690 *Introduction to Biostatistics in Public Health* & PH 1700 *Intermediate Biostatistics I* & PHM 2612 *Epidemiology I* & PH 2615 *Epidemiology II* & PH 2710 *Epidemiology III*
- **PhD Required Courses:** PHD 2711 *Epidemiology IV* & PHD 2712 *Experimental Methods in Epidemiology* & PHD 2990 *Epidemiology Seminar and Journal Club* & Six (6) credit hours from the selections below:
  - Three (3) credit hours of a selected required course: PHD 2770 *NIH Proposal Development* OR PHD 2720 *Epidemiology Proposal Development*
  - Three (3) credit hours of a selected required course*: PH 1830 *Categorical Data Analysis* AND/OR PH 1831 *Survival Analysis*
- **One breadth and one minor OR two minors**
- **Elective courses:** 19-22 credit hours. Students are required to complete a minimum of nine (9) credit hours of elective coursework within the epidemiology department (2600-2999). One epidemiology elective* (2600-2999) is required prior to sitting for the epidemiology preliminary exam.
PHD 9999 Dissertation Research

*Students must successfully complete each course indicated with an asterisk (*) prior to sitting for the preliminary exam.

CURRENT: page 53
1. Public Health 101 requirement added
2. Leveling and major courses requirements updated
3. Elective requirements updated

Course of Study
The following courses are required for a PhD student majoring in Epidemiology:

- Major courses: PHD 2711 Epidemiology IV; PHD 2712 Experimental Methods in Epidemiology; PHD 2770 NIH Proposal Development OR PHD 2720 Epidemiology Proposal Development; PHD 2990 Epidemiology Seminar; PH 1830 Categorical Data Analysis AND/OR PH 1831 Survival Analysis
- Required course: PHM 261 Epidemiology I
- One breadth and one minor or two minors
- Elective courses, at least one course must be an Epidemiology course
- PHD 9999 Dissertation Research

CHANGE TO:

Course of Study
The following courses are required for a PhD student majoring in Epidemiology:

- Leveling and Other Required Courses: PH 101 Foundations in Public Health (online, not-for-credit course that covers the Foundational Knowledge Competencies set forth by CEPH) & PHM 2612 Epidemiology I & PH 2615 Epidemiology II & PH 2710 Epidemiology III & PHM 1690 Introduction to Biostatistics in Public Health & PH 1700 Intermediate Biostatistics (academic credits from leveling courses do not count towards the total required number of credits for the degree program)
- Major Courses: PHD 2711 Epidemiology IV* & PHD 2712 Experimental Methods in Epidemiology* & PHD 2990 Epidemiology Seminar and Journal Club & Six (6) credit hours from the selections below:
  - Three (3) credit hours of a selected required course: PHD 2770 NIH Proposal Development OR PHD 2720 Epidemiology Proposal Development
  - Three (3) credit hours of a selected required course*: PH 1830 Categorical Data Analysis AND/OR PH 1831 Survival Analysis
- One breadth and one minor OR two minors
- Elective courses: 11-14 credit hours. Students are required to complete a minimum of six (6) credit hours of elective coursework within the epidemiology department (2600-2999). One epidemiology elective* (2600-2999) is required prior to sitting for the epidemiology preliminary exam.
- PHD 9999 Dissertation Research

*Students must successfully complete each course indicated with an asterisk (*) prior to sitting for the preliminary exam.

CURRENT: page 56
1. PH 2742 course added

PH 2742 Epidemiology of Mental Health
3 credits
This course reviews descriptive and analytic epidemiology for major mental health symptoms and conditions worldwide. Course topics include understanding: functional and societal burden of mental health conditions, psychiatric epidemiology research designs, causality in mental health, cross-societal comparisons, risk factors and protective factors, plus an overview of treatment, health systems, and prevention. Prerequisites: One of either PHM 2610, PHM 2612, PHD 1420, PHD 1421, PHW 3660 or permission of instructor.

**PH 2820** *Introduction to Human Molecular Genetics*
3 credits
This course provides a comprehensive overview of human genetics and the role of genes in human disease. The course is taught by instructors from UTHealth School of Public Health and The University of Texas MD Anderson Cancer Center, and consists of a series of lectures from instructors and guest lecturers. While a wide range of topics are covered, many lectures focus on cancer biology and genetics. [Cross-listed with GSBS GS110023]
Prerequisites: Consent of instructor. Undergraduate biochemistry, cell biology, and genetics

**PH 2858** *Quantitative Analysis for Public Health Research and Practice*
3 credits
This course bridges epidemiological and biostatistical skillsets. The overall objective is to provide students with the tools and hands-on experience of analyzing datasets guided by research questions. Students will learn how to conduct a research project from conceptualization to dissemination, including: development of research questions and analytic plans; cleaning and coding data; assessing the degree of missingness; evaluating and interpreting univariate, bivariate, and multivariate analyses and building models; analyzing and conceptualizing interaction; analyzing complex survey data; and appropriate research dissemination techniques.
Prerequisites: [PHM 2612 or PHM 2610] and [PHM 1690 or PH 1700]

**PHD 2990** *Epidemiology Seminar*
1 credit
The Epidemiology Seminar is open to all students, but is mandatory for epidemiology doctoral students who have not yet taken their preliminary examination. The seminar is intended to hone research and presentation skills, and to provide students an opportunity to present data, a research proposal, or an epidemiology-related topic to an audience of their peers and mentors. The seminar will provide students an opportunity to receive critical feedback on their research and develop professional interactions between faculty and other students.

**PHWM 2996 Capstone for EPID Students**
3 credits
This integrative learning experience is designed to demonstrate synthesis of major themes from the MPH core and major-specific courses. Students produce at least one high-quality written product.
CHANGE TO:

PHD 2990 Epidemiology Seminar and Journal Club
2 credits
The Epidemiology Seminar and Journal Club is open to all students, but is mandatory for epidemiology doctoral students who have not yet taken their preliminary examination. The seminar is intended to hone research and presentation skills, and to provide students an opportunity to present data, a research proposal, or an epidemiology-related topic to an audience of their peers and mentors. The seminar will provide students an opportunity to receive critical feedback on their research and develop professional interactions between faculty and other students.

PHWM 2996 Capstone for EPID Students
3 credits
This integrative learning experience is designed to demonstrate synthesis of major themes from the MPH core and major-specific courses. Students produce at least one high-quality written product. Prerequisites: Completed the MPH core courses; completed PH 2615 Epidemiology II; completed at least 30 semester credit hours the semester before enrolling in capstone; and completed or concurrent enrollment in PH 9997 Practicum.

CURRENT: page 63
1. Masters minor in EOHS requirements updated
2. PHWD 2108 course title updated

Minor in Environmental Sciences EOHS also offers a minor course of study (minimum nine (9) semester credit hours) for MS, doctoral students majoring in other public health disciplines. The prerequisite science background for these courses is required to take the minor course of study in EOHS.

- Masters students: PHWM 2100 Foundations of Environmental and Occupational Health Sciences & two EOHS electives (PHM 2130 & PH 2175 are recommended)
- Doctoral students: PHD 2135 Risk Analysis: Principles and Practice & PHWD 2106 Introduction to Doctoral Research Methods in Environmental and Occupational Health Sciences, OR PHWD 2108 Applied Epidemiological Analyses in Environmental and Occupational Health Sciences, OR PHWD 2760 Occupational Epidemiology; & an EOHS elective

CHANGE TO:

EOHS also offers a minor course of study in environmental sciences (minimum nine (9) semester credit hours) for MS and doctoral students majoring in other public health disciplines.

- Masters students: PHWM 2110 Public Health Ecology & the Human Environment & two EOHS electives (2100 – 2499) (PH 2175 is recommended.)
- Doctoral students: PHD 2135 Risk Analysis: Principles and Practice & PHWD 2106 Introduction to Doctoral Research Methods in Environmental and Occupational Health Sciences, OR PHWD 2108 Applied Epidemiological Analysis, OR PHWD 2760 Occupational Epidemiology; & an EOHS elective (2100 – 2499)

CURRENT: page 64
1. Public Health 101 requirement added
2. Major course requirements updated
3. ILE options updated

Course of Study
The following program courses are required, except in the case of a waiver (waiver process varies by program), for an MPH student majoring in Environmental Health:
Course of Study

The following program courses are required, except in the case of a waiver (waiver process varies by program), for a PhD student majoring in Epidemiology, Environmental Disease Prevention Track:

- **Leveling Courses:** PH 1700 Intermediate Biostatistics; PHM 2110 Public Health Ecology and the Human Environment; PH 2175 Toxicology I: Principles of Toxicology; PHM 2612 Epidemiology I
  
  *PHM leveling courses do not count toward the credit-hour minimum for the degree.

- **Major Courses:** PHD 2105 EOH$S$ Doctoral Seminar & PHWM 2106 Introduction to Doctoral Research Methods in EOH$S$ & PH 2245 Fundamentals of Industrial Hygiene

- **Track-Specific Courses:** PHD 2135 Risk Analysis - Principles and Practice & PHD 2177 Toxicology II: Toxic Agents and the Environment & PHD 2126 Fundamentals and Applications of GIS & PH 2155 Environmental Sampling and Analysis & PHD 2150 Air Environment OR PHD 2130 Water Environment

- **Minor:** Epidemiology Minor
- **Breadth:** Person-Centered Well-Being Breadth

- **PHD 9999 Dissertation Research**
Course of Study
The following program courses are required for a PhD student majoring in Environmental Science, Environmental Disease Prevention Track:

- Leveling and Other Required Courses: PH 101 *Foundations in Public Health* (online, not-for-credit course that covers the Foundational Knowledge Competencies set forth by CEPH), PHM 1700 *Intermediate Biostatistics*, PHWM 2110 *Public Health Ecology and the Human Environment*, PH 2175 *Toxicology I: Principles of Toxicology*, PHM 2612 *Epidemiology I* (academic credits from leveling courses do not count towards the total required number of credits for the degree program)
- Major Courses: PHD 2105 *EOHS Doctoral Seminar* (taken twice) & PHD 2106 *Introduction to Doctoral Research Methods in EOHS* & PH 2245 *Fundamentals of Industrial Hygiene*
- Track-Specific Courses: PHD 2135 *Risk Analysis - Principles and Practice* & PHD 2177 *Toxicology II: Toxic Agents and the Environment* & PHD 2126 *Fundamentals and Applications of GIS* & PHD 2155 *Environmental Sampling and Analysis* & One of the courses from the selections below:
  - PHW 2150 *Air Environment*
  - PHWD 2230 *Water Environment*
- Minor: Epidemiology Minor: PH 2615 *Epidemiology II* & PH 2710 *Epidemiology III* & One of the courses from the selections below:
  - PHWD 2108 *Applied Epidemiological Analysis*
  - PHWD 2760 *Occupational Epidemiology*
  - PHD 2762 *Environmental Epidemiology*
- Breadth: Person-Centered Well-Being Breadth: PHD 2845 *Nutritional Epidemiology* & One course from each of the groupings selections below (12 credit hours):
  - Selection 1: 3 credit hours of selected required course
    - PH 2735 *Physical Activity and Health: Epidemiology and Mechanisms*
    - PH 5400 *Physical Activity Assessment and Surveillance*
    - PH 5401 *Physical Activity and Public Health Practice*
  - Selection 2: 3 credit hours of selected required course
    - PHW 2780 *Applied Genetics Methods in Public Health*
    - PH 2815 *Genetics and Human Disease*
    - PHW 2970 *Foundations of Public Health Genetics*
  - Selection 3: 3 credit hours of selected required coursework
    - PH 1350 *Ethnicity, Race, Class & Gender: A Multicultural Public Health Perspective*
    - PHW 2775 *Epidemiologic Methods in Racial and Ethnic Disparities*
    - PHD 3922 *Economic and Social Determinants of Health*
- PHD 9999 *Dissertation Research*

CURRENT: page 65
1. Degree major name corrected
2. Public Health 101 requirement added
3. PHD 2105 – requirement updated
4. PHD 2106 corrected
5. Track-specific course requirements updated
6. Minor and breadth requirements listed
The following program courses are required, except in the case of a waiver (waiver process varies by program), for a PhD student majoring in Epidemiology, Total Worker Health Track:

- Leveling Courses: PH 1700 Intermediate Biostatistics; PHM 2110 Public Health Ecology and the Human Environment; PH 2175 Toxicology I: Principles of Toxicology; PHM 2612 Epidemiology I
  *PHM leveling courses do not count toward the credit-hour minimum for the degree.
- Major Courses: PHD 2105 EOHS Doctoral Seminar & PHWM 2106 Introduction to Doctoral Research Methods in EOHS & PH 2245 Fundamentals of Industrial Hygiene
- Minor: Health Promotion and Behavioral Sciences Minor
- Breadth: Worker-Centered Well-Being Breadth
- PHD 9999 Dissertation Research

CHANGE TO:

Course of Study
The following program courses are required for a PhD student majoring in Environmental Science, Total Worker Health Track:

- Leveling and Other Required Courses: PH 101 Foundations in Public Health (online, not-for-credit course that covers the Foundational Knowledge Competencies set forth by CEPH), PHM 1110 Health Promotion & Behavioral Sciences in Public Health; PHM 1700 Intermediate Biostatistics; PHM 2110 Public Health Ecology and the Human Environment; PH 2175 Toxicology I: Principles of Toxicology; PHM 2612 Epidemiology I (academic credits from leveling courses do not count towards the total required number of credits for the degree program)
- Major Courses: PHD 2105 EOHS Doctoral Seminar (taken twice) & PHD 2106 Introduction to Doctoral Research Methods in EOHS & PH 2245 Fundamentals of Industrial Hygiene
- Track-Specific Courses: PH 2205 Health and Safety Program Management and Leadership & PH 2241 Fundamentals of Occupational Safety & PH 2270 Total Worker Health and Worker Well-being & PH 2498 ST: Occupational Health Psychology & PH 2498 ST: Total Worker Health Field Experience & PHWD 2760 Occupational Epidemiology
- Minor: Health Promotion and Behavioral Sciences Minor: PHD 1113 Advanced Methods for Planning and Implementing Health Promotion Programs & PHD 1120 Program Evaluation & PHD 1122 Health Promotion Theory for Individuals and Groups
- Breadth: Worker-Centered Well-Being Breadth: Four courses (12 credit hours) from the selections below:
  - PH 1236 Issues in Aging
  - PH 1410 Addiction and Society
  - PH 1424 Ethnicity, Race, Class & Gender: A Multicultural Public Health Perspective
  - PH 2246 Principles of Occupational Ergonomics
  - PH 2835 Injury Epidemiology
  - PHD 2845 Nutritional Epidemiology
  - PHD 2762 Environmental Epidemiology
  - PHD 3810 Health Policy in the U.S.
  - PHM 3910 Health Economics
  - PH 3737 Cost-effectiveness for Public Health Interventions
  - PH 5220 Gender and Leadership
- Students may take one of the following courses as part of the breadth requirement:
  - PH 5400 Physical Activity Assessment and Surveillance
  - PHD 5402 Social & Behavioral Aspects of Physical Activity
  - PH 2735 Physical Activity & Health: Epidemiology & Mechanics
PHWM 2100 Foundations of Environmental and Occupational Health Sciences
4 credits
This one-semester course covers basic concepts in the field as groundwork up on which the remainder of the EOHS curriculum is built. This course is part of the common core courses required of all MPH majors in the EOHS program. In addition, doctoral students selecting a minor in EOHS will typically complete this course, together with PHM 2130 Recognition of Environmental and Occupational Hazards, in partial fulfillment of their coursework requirements.
Prerequisites: Must be a master’s student majoring in the EOHS program, or a doctoral student from other departments or programs with a minor in EOHS; or equivalent undergraduate preparation as that of an EOHS major. Exceptions with consent of instructor.

PHM 2101 Contemporary Issues in Environmental and Occupational Health
2 credits

PHD 2101 Contemporary Issues in Environmental and Occupational Health
3 credits
This course surveys significant current issues in the field of EOHS and policy, with the goal of preparing students to critically assess peer-reviewed literature and apply the literature to future professional work in the private sector, the public sector, or academia. Students will learn how to analyze, interpret, and critique articles published in the peer-reviewed literature through lecture, class group discussion, and presentations. This course provides an overview of many of the most important topics at the forefront of the field, including gene-environment interactions, environmental health disparities, sustainability, exposure assessment, translational research, innovative technology and science, occupational health, and clinical medicine. Doctoral students will engage in additional evaluation of their and their peers’ research sources and methods.

CHANGE TO:

PHWD 2108 Applied Epidemiological Analyses in Environmental and Occupational Health Sciences
3 credits

CHANGE TO:

PHWD 2108 Applied Epidemiological Analysis
3 credits

PHM 2130 Recognition of Environmental and Occupational Hazards
2 credits
This course provides an overview of industrial and community sources of major chemical hazards. Principal toxicological effects of and diseases affected by these chemicals are presented. The occurrence as
ambient air, water, soil, and indoor and workplace pollutants is described. Transport to other environmental media, and environmental and biological fate are discussed for some key pollutants. Prerequisites (or, concurrently): PHM 2100

**CHANGE TO:**

(PHM 2130 removed)

**PHM 2155** *Environmental Sampling and Analysis*  
4 credits  
**PHD 2155** *Environmental Sampling and Analysis*  
This course covers the theoretical bases and practical applications of sampling techniques and analytical methods used in the quantitative determination of chemical air and liquid contaminants and ionizing radiation in the workplace and community environments. Emphasis will be on spectroscopic, chromatographic, and other modern direct reading instrumental methods. Laboratory exercises will be included. Students will plan environmental sampling design, develop sampling strategies, analyze physical and chemical pollutants in the environments, interpret and communicate the results, and criticize the data related to environmental studies.  
Prerequisites: Undergraduate chemistry and mathematics, or consent of instructor

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**CURRENT: page 69**

1. Prerequisites updated

**PH 2250** *Occupational Health Controls*  
4 credits  
This course presents the principles and practice of controlling workplace and associated hazards, and details CPC, respiratory protection, dilution, and local exhaust ventilation engineering controls: basic design and evaluation of industrial ventilation systems, and noise control.  
Prerequisites: PH 2245; or consent of instructor: PHM 2100 or 2110 or 2120, and PHM 2130

**CHANGE TO:**

**PH 2250** *Occupational Health Controls*  
4 credits  
This course presents the principles and practice of controlling workplace and associated hazards, and details CPC, respiratory protection, dilution, and local exhaust ventilation engineering controls: basic design and evaluation of industrial ventilation systems, and noise control.  
Prerequisites: PHW 2110 and PH 2245; or consent of instructor

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**CURRENT: page 70**

1. **PH 2270 added**
2. **PHWM 2496 Prerequisites updated**

**PHM 2496** *Capstone for EOHS Students*  
3 credits  
This integrative learning experience is designed to demonstrate synthesis of major themes from the MPH core and major-specific courses. Students produce at least one high-quality written product.

**CHANGE TO:**

**PH 2270** *Total Worker Health and Worker Well-being*  
2 credits
Total Worker Health® (TWH) involves the policies, programs and practices integrating protection from work-related safety and health hazards with promotion of injury and illness prevention to enhance worker well-being. The terminology, concepts and conceptual frameworks surrounding the field of TWH and worker well-being are introduced along with resources for planning, implementing and evaluating interventions. Students evaluate the effectiveness of TWH interventions in all size businesses and explore potential modifiers of occupational factors influencing worker well-being.

PHWM 2496 Capstone for EOHS Students
3 credits
This integrative learning experience is designed to demonstrate synthesis of major themes from the MPH core and major-specific courses. Students produce at least one high-quality written product.
Prerequisites: Completed the MPH core courses; concurrent enrollment in or completed: PH 2175 & PHM 2135; completed at least 30 semester credit hours the semester before enrolling in capstone; and completed or concurrent enrollment in Practicum, PH 9997.

CURRENT: page 73
1. Public Health 101 requirement to both course of studies added
2. Major course requirements to both course of studies corrected
3. DI practicum options updated
4. ILE options to both course of studies updated

Course of Study
The following program courses are required, except in the case of a waiver (waiver process varies by program), for an MPH student majoring in Health Promotion/Health Education:

- MPH Core: PHM 1690, PHM 2612, PHM 3715, PHM 1110, PHWM 2110 & PHM 5015
- Major Courses: PHM 1111 Health Promotion Theory and Methods & PHM 1112 Community Assessment Methods in Public Health & PHM 1113 Advanced Methods for Planning and Implementing Health Promotion Programs (Intervention Mapping) OR PHM 1117 Advanced Methods for Planning and Implementing Health Promotion Programs - Short Course & PHM 1120 Program Evaluation & PHM 1433 Research Seminar in Health Promotion and Behavioral Sciences
- Electives
- Applied Practice Experience: PH 9997 Practicum
- Integrative Learning Experience: PHM 1496 Capstone for HPBS Students or PHM 9998 Thesis Research

Course of Study
The following program courses are required, except in the case of a waiver (waiver process varies by program), for an MPH student majoring in Health Promotion/Health Education, Dietetic Internship Track:

- MPH Core: PHM 1690, PHM 2612, PHM 3715, PHM 1110, PHWM 2110 & PHM 5015
- Major Courses: PHM 1111 Health Promotion Theory and Methods & PHM 1117 Advanced Methods for Planning and Implementing Health Promotion Programs - Short Course
- Dietetic Internship Track Courses: PHM 1232 Public Health Nutrition Practice & PH 2755 Nutrition Research Methods & PH 1231 Medical Nutrition Therapy & PH 5098 (section 800) Garden for Health (Course Fee: $75.00) & PH 5098 (section 850) Culinary Medicine (Course Fee: $75.00)
- Integrative Learning Experience: PH 1229 MNT Simulation & Capstone
- Applied Practice Experience: PH 9997 Practicum

CHANGE TO:

Course of Study
The following program courses are required for an MPH student majoring in Health Promotion/Health Education:
Other Required Course: **PH 101 Foundations in Public Health** (online, not-for-credit course that covers the Foundational Knowledge Competencies set forth by CEPH)

MPH Core Courses: **PHM 1110, PHM 1690, PHWM 2110, PHM 2612, PHM 3715, & PH 5015**

Major Courses: **PHM 1111 Health Promotion Theory and Methods & PHM 1112 Community Assessment Methods in Public Health & PHM 1113 Advanced Methods for Planning and Implementing Health Promotion Programs (Intervention Mapping) & PHM 1120 Program Evaluation & PH 1433 Research Seminar in Health Promotion and Behavioral Sciences**

Elective Courses

Applied Practice Experience: **PH 9997 Practicum**

Integrative Learning Experience: **PHM 1496 Capstone for HPBS Students or PHM 9998 Culminating Experience/Thesis Research (for students completing an independent ILE or traditional academic thesis)**

### Course of Study

The following program courses are required for an MPH student majoring in Health Promotion/Health Education, Dietetic Internship Track:

- Other Required Course: **PH 101 Foundations in Public Health** (online, not-for-credit course that covers the Foundational Knowledge Competencies set forth by CEPH)
- MPH Core Courses: **PHM 1110, PHM 1690, PHWM 2110, PHM 2612, PHM 3715, & PH 5015**
- Major Courses: **PHM 1111 Health Promotion Theory and Methods & PHM 1117 Advanced Methods for Planning and Implementing Health Promotion Programs (Intervention Mapping) & PHM 1229 Medical Nutrition Therapy Simulation Lab & PHM 1231 Advanced Medical Nutrition Therapy & PHM 1232 Public Health Nutrition Practice & PH 2755 Nutrition Research Methods & PH 5098 (section 801) Garden for Health (Course Fee: $75.00) & PH 5098 (section 850) Culinary Medicine (Course Fee: $75.00)
- Applied Practice Experience: **PH 9997 Practicum** (first year/spring section 800, summer section 870, & second year/spring section 850)
- Integrative Learning Experience: **PHM 1496 Capstone for HPBS Students: Seed-to-Plate Prevention Pt. 1** (summer, section 850) & **PHM 1496 Capstone for HPBS Students: Seed-to-Plate Prevention Pt. 2** (fall, section 800) or **PHM 9998 Thesis Research (for students completing an independent ILE or traditional academic thesis)**

**CURRENT:** pages 73-74

1. DrPH in Health Promotion/Health Education increased to 54 semester credit hours from 48 semester credit hours
2. Public Health 101 requirement to both course of studies added
3. Major course requirements to DrPH course of study updated
4. Epidemiology requirement to DrPH course of study added
5. Elective courses in both course of studies deleted
6. Breadth in DrPH course of study deleted
7. Minor in both course of studies updated
8. Breadth in PhD course of study updated

### Doctor of Public Health (DrPH) Degree Program

The DrPH in Health Promotion/Health Education is a minimum of semester credit hours and is designed to develop leaders in health promotion practice. Students are trained to conduct applied research in public health settings. It is primarily designed for those who plan to apply scientific discoveries and use strong analytical skills to assess public health problems. They are also trained to develop, implement, and evaluate theory-based public health interventions in practice settings. An important component of this degree program is the ability to communicate findings to the public and policymakers. Students are required to complete a minimum of 48 semester credit hours of coursework (a maximum of nine (9) combined credit hours of applied practice and dissertation count toward the minimum of 48 semester credit hours); a required DrPH core; and either a breadth or minor area of study outside Health Promotion/Health Education department.
Course of Study

The following program courses are required, except in the case of a waiver (waiver process varies by program), for a DrPH student majoring in Health Promotion & Health Education:


- Minor or Breadth
- Electives
- Applied Practice Experience: PH 9997 Practicum
- Dissertation: PHD 9999 Dissertation Research

CHANGE TO:

Doctor of Public Health (DrPH) Degree Program

The DrPH in Health Promotion/Health Education is a minimum of 54 semester credit hours and is designed to develop leaders in health promotion practice. Students are trained to conduct applied research in public health settings. It is primarily designed for those who plan to apply scientific discoveries and use strong analytical skills to assess public health problems. They are also trained to develop, implement, and evaluate theory-based public health interventions in practice settings. An important component of this degree program is the ability to communicate findings to the public and policymakers. Students are required to complete a minimum of 54 semester credit hours of coursework (a maximum of nine (9) combined credit hours of applied practice and dissertation count toward the minimum of 54 semester credit hours); a required DrPH core; and a minor area of study outside Health Promotion/Health Education department.

Course of Study

The following program courses are required for a DrPH student majoring in Health Promotion & Health Education:
Leveling and Other Required Courses:
- **PH 101 Foundations in Public Health** (online, not-for-credit course that covers the Foundational Knowledge Competencies set forth by CEPH), **PHM 1110 Health Promotion and Behavioral Sciences in Public Health**, **PHM 1690 Introduction to Biostatistics in Public Health**, **PHM 2612 Epidemiology I** (academic credits from leveling courses do not count towards the total required number of credits for the degree program)
- Epidemiology Requirement - All students are required to complete an Epidemiology course during their course of study. Please read carefully the following scenarios:
  - If a student took Epidemiology I at UTHealth School of Public Health as a master’s (MPH or MS) student, the required epidemiology course is NOT needed, and the student may apply these credits towards electives or dissertation hours. Note that only six (6) credit hours of dissertation research can be counted toward the total required credits of the degree program.
  - If a student HAS taken Epidemiology I, but it was taken at another institution, the student MUST take another epidemiology course at UTHealth School of Public Health to meet the School’s epidemiology requirement (2600-2999). The student may elect to complete the epidemiology requirement as part of an epidemiology minor.
  - If a student has NOT taken Epidemiology I at a prior institution, the student must take Epidemiology I as a leveling course. The required epidemiology course requirement will then be waived, and the student may apply these credits towards electives or dissertation hours. Note that only six (6) dissertation hours can be counted toward the degree planner.
- Minor – Students are required to complete a minor outside of their department. A minor in Epidemiology is strongly encouraged.
- Applied Practice Experience: **PH 9997 Practicum**
- Dissertation: **PHD 9999 Dissertation Research**

**Course of Study**
The following program courses are required for a PhD student majoring in Behavioral Sciences and Health Promotion:
- Other Required Course: **PH 101 Foundations in Public Health** (online, not-for-credit course that covers the Foundational Knowledge Competencies set forth by CEPH)
- Before Preliminary Exam: **PHD 1113 Advanced Methods for Planning and Implementing Health Promotion Programs (Intervention Mapping)** & **PHD 1122 Health Promotion Theories for Individuals and Groups: Part I**, **PHD 1227 Health Promotion Theories for Individuals and Groups: Part II**, **PHD 1420 Research Design for Behavioral Sciences**, **PHD 1421 Quantitative Analysis for Behavioral Sciences**, **PH 1433 Research Seminar in Health Promotion and Behavioral Sciences**, **PHM 2612 Epidemiology I**
- After Preliminary Exam: **PHD 1118 Qualitative Methods** & **PHD 1498 ST: Proposal Writing for Behavioral Sciences and Health Promotion** & **PHD 1435 HPBS Doctoral/Post-Doctoral Research Seminar**
- **Minor** – Students are required to complete a minor outside of their department.  
- Public Health Methods Breadth: **PHD 1130 Applied Measurement Theory** and six (6) credit hours of additional methods coursework from the selected list:  
  - PH 1119 Qualitative Analysis  
  - PHD 1121 Advanced Quantitative Analysis for Behavioral Sciences  
  - PHD 1132 Latent Variable Models and Factor Analysis  
  - PH 1321 Social Networks and Health  
  - PH 1324 Applied Discrete Data Analysis using STATA
- **Dissertation:** **PHD 9999 Dissertation Research**

**CURRENT: page 77**

1. **PHD 1121 course title updated and reduced to 3 semester credit hours from 4 semester credit hours**

   **PHD 1121 Advanced Methods in Program Evaluation**
   4 credits

**CHANGE TO:**

   **PHD 1121 Advanced Quantitative Analysis for Behavioral Sciences**
   3 credits

**CURRENT: page 79**

1. **PHM 1231 course title corrected**
2. **PH 1233 added**
3. **PHM 1234 course removed**

   **PHM 1231 Advances in Medical Nutrition Therapy**
   4 credits

   **PHM 1234 Advances in Specialty Nutrition Practice**
   2 credits

   This advanced course is required for Dietetic Internship students. It exposes students to selected areas of specialty dietetics practice, including lectures from practicing dietetic specialists and culinary medicine – community training. Information for professional dietetic practice will also be covered, including Review for the Registration Examination for Dietitians, Licensure Acts, and preparation of a Professional Development Portfolio. Prerequisites: Currently enrolled in Dietetic Internship Program and concurrently enrolled in Public Health Practicum: Dietetic Internship Supervised Practice Rotation.

**CHANGE TO:**

   **PHM 1231 Advanced Medical Nutrition Therapy**
   4 credits

   **PH 1233 Introduction to Public Health Nutrition**
   3 credits

   This course is an overview of the predominant food and nutrition issues that affect the public health of developed countries, specifically the United States. Topics include national nutrition guidelines, dietary assessment, specific dietary issues among populations, food safety and current topics in public health nutrition. Dietary issues will be
presented using a life cycle approach, in which the issues are introduced and developed within the framework of a specific age category.

PHM 1234 Advances in Specialty Nutrition Practice (removed)

CURRENT: page 80
1. PHM 1496 Capstone for HPBS Students prerequisites updated
2. PHM 1496 Seed to Plate course added

PHM 1496 Capstone for HPBS Students
3 credits
This integrative learning experience is designed to demonstrate synthesis of major themes from the MPH core and major-specific courses. Students produce at least one high-quality written product.

CHANGE TO:

PHM 1496 Capstone for HPBS Students
3 credits
This integrative learning experience is designed to demonstrate synthesis of major themes from the MPH core and major-specific courses. Students produce at least one high-quality written product.
Prerequisites: Completed the MPH core courses; completed: PHM 1111L & PHM 1112L & [PHM 1113L or PHM 1120L]; completed at least 30 semester credit hours the semester before enrolling in capstone; and completed or concurrent enrollment in Practicum, PH 9997.

PHM 1496 Capstone for HPBS Students ST: Seed-To-Plate Prevention, Pt 1 (section 850) or Pt 2 (section 800)
2, 1 credits
This integrative learning experience is designed to demonstrate synthesis of major themes from the MPH core and major-specific courses. Students produce at least one high-quality written product.
Prerequisites: Must be a dietetic intern; completed the MPH core courses; completed at least 30 semester credit hours the semester before enrolling in capstone; and completed or concurrent enrollment in Practicum, PH 9997.

CURRENT: page 86
1. Public Health 101 requirement added
2. Major courses requirements corrected
3. ILE options updated

Course of Study
The following program courses are required, except in the case of a waiver (waiver process varies by program), for an MPH student majoring in Community Health Practice:

- MPH Core: PHM 1690, PHM 2612, PHM 3715, PHM 1110, PHWM 2110 & PHM 5015
- Major Courses: PHM 3620 Principles and Practice of Public Health & PHM 3630 Health Program Planning, Implementation, and Evaluation & PH 3800 Working with Diverse Communities & PHM 3922 Economics and Social Determinants of Health & PH 3998 ST: Community Assessment Concepts, Methods and Techniques
- Electives
- Applied Practice Experience: PH 9997 Practicum
- Integrative Learning Experience: PHM 3996 Capstone for MPCH Students or PHM 9998 Thesis Research

CHANGE TO:

Course of Study
The following program courses are required for an MPH student majoring in Community Health Practice:

- **Other Required Course:** PH 101 *Foundations in Public Health* (online, not-for-credit course that covers the Foundational Knowledge Competencies set forth by CEPH)
- **MPH Core Courses:** PHM 1110, PHM 1690, PHWM 2110, PHM 2612, PHM 3715, & PH 5015
- **Major Courses:** PHM 1112 *Community Assessment Methods in Public Health* & PHM 3620 *Principles and Practice of Public Health* & PHM 3630 *Health Program Planning, Implementation, and Evaluation* & PHM 3800 *Working with Diverse Communities* & PHM 3922 *Economics and Social Determinants of Health*
- **Elective Courses**
- **Applied Practice Experience:** PH 9997 *Practicum*
- **Integrative Learning Experience:** PHM 3996 *Capstone for MPACH Students* or PHM 9998 *Culminating Experience/Thesis Research* (for students completing an independent ILE or traditional academic thesis)

**Course of Study**
The following program courses are required, except in the case of a waiver (waiver process varies by program), for an MPH student majoring in Health Services Organizations:

- **MPH Core:** PHM 1690, PHM 2612, PHM 3715, PHM 1110, PHWM 2110 & PHM 5015
- **Major Courses:** PHM 3910 *Health Economics* & PH 3915 *Methods for Economics Evaluation of Health Programs* & PH 3920 *Health Services Delivery and Performance* & PH 3940 *Healthcare Outcomes and Quality Research* OR PHM 3746 *Evaluation and Improvement of Healthcare Quality* OR PH 3998 ST: Quality, Cost and Value Evaluation in Healthcare & PH 3815 *Health Policy Analysis* OR PHD 3930 *Econometrics* & PHM 3810 *Health Policy in the United States* OR PH 3818 *Texas Health Policy*
- **Electives**
- **Applied Practice Experience:** PH 9997 *Practicum*
- **Integrative Learning Experience:** PHM 3996 *Capstone for MPCH Students* or PHM 9998 *Thesis Research*

**Course of Study**
The following program courses are required, except in the case of a waiver (waiver process varies by program), for an MPH student majoring in Healthcare Management:

- **MPH Core:** PHM 1690, PHM 2612, PHM 3715, PHM 1110, PHWM 2110 & PHM 5015
- **Electives**
- **Applied Practice Experience:** PH 9997 *Practicum*
- **Integrative Learning Experience:** PHM 3996 *Capstone for MPCH Students* or PHM 9998 *Thesis Research*

**CHANGE TO:**

**Course of Study**
The following program courses are required for an MPH student majoring in Health Services Organizations:

- **Other Required Course:** PH 101 *Foundations in Public Health* (online, not-for-credit course that covers the Foundational Knowledge Competencies set forth by CEPH)
MPH Core Courses: PHM 1110, PHM 1690, PHWM 2110, PHM 2612, PHM 3715, & PH 5015

Major Courses: PH 3920 Health Services Delivery and Performance & PHM 3910 Health Economics & PH 3915 Methods for Economics Evaluation of Health Programs & One course from each of the following groupings:

- Three (3) credit hours of a selected required course: PH 3845 Quality, Cost and Value Evaluation in Healthcare OR PHM 3746 Evaluation and Improvement of Healthcare Quality Outcomes and Quality Research OR PH 3940 Healthcare Outcomes and Quality Research
- Three (3) credit hours of a selected required course: PH 3815 Health Policy Analysis OR PHD 3930 Econometrics
- Three credit hours of a selected required course: PHM 3810 Health Policy in the United States OR PH 3818 Texas Health Policy
- Three (3) to four (4) credit hours of a selected required course: PHM 3718 Accounting for Healthcare Management AND PHM 3720 Healthcare Finance (these should be both taken if selected) OR PH 3815 Health Policy Analysis OR PHD 3930 Econometrics OR PHD 3931 Advanced Econometrics OR PH 3736 Healthcare Payment Systems & Policy OR PH 3738 Legal Issues in Healthcare

Applied Practice Experience: PH 9997 Practicum

Integrative Learning Experience: PHM 3996 Capstone for MPACH Students or PHM 9998 Culminating Experience/Thesis Research (for students completing an independent ILE or traditional academic thesis)

Course of Study

The following program courses are required for an MPH student majoring in Healthcare Management:

- Other Required Course: PH 101 Foundations in Public Health (online, not-for-credit course that covers the Foundational Knowledge Competencies set forth by CEPH)
- MPH Core Courses: PHM 1110, PHM 1690, PHWM 2110, PHM 2612, PHM 3715, & PH 5015
- Applied Practice Experience: PH 9997 Practicum
- Integrative Learning Experience: PHM 3996 Capstone for MPACH Students or PHM 9998 Culminating Experience/Thesis Research (for students completing an independent ILE or traditional academic thesis)

Doctor of Public Health (DrPH) Degree Program

The DrPH in Community Health Practice is a minimum of 48 semester credit hours and offers interdisciplinary training for students who want to practice at an advanced level or pursue academic careers in community health practice.

Course of Study

The following courses are required, except in the case of a waiver (the waiver process varies by program), for a DrPH student majoring in Community Health Practice:

- Before Preliminary Exam: PHD 1113 Advanced Methods for Planning and Implementing Health Promotion Programs (Intervention Mapping) & PHD 1120 Program Evaluation & PH 2615 Epidemiology II & PH 3998
Doctor of Public Health (DrPH) Degree Program
The DrPH in Community Health Practice is a minimum of 54 semester credit hours and offers interdisciplinary training for students who want to practice at an advanced level or pursue academic careers in community health practice.

Course of Study
The following courses are required for a DrPH student majoring in Community Health Practice:

- Leveling and Other Required Courses: PH 101 Foundations in Public Health (online, not-for-credit course that covers the Foundational Knowledge Competencies set forth by CEPH), PHM 1690 Introduction to Biostatistics in Public Health, PHM 1110 Health Promotion and Behavioral Sciences in Public Health, PHM 2612 Epidemiology I, PHM 3715 Management and Policy Concepts in Public Health (academic credits from leveling courses do not count towards the total required number of credits for the degree program)


- Minor – Students are required to complete a minor outside of their department.

- Applied Practice Experience: PH 9997 Practicum

- Dissertation: PHD 9999 Dissertation Research

Health Economics/Health Services Research

Course of Study
The following Departmental courses are required, except in the case of a waiver (the waiver process varies by program), for PhD students majoring in Health Economics/Health Services Research:


- Select a Track:
  - Health Economics Track: PHD 3935 Advanced Health Economics
Health Services Research Track: PHD 3945 Advanced Health Services Research Methods
- Additional Required Courses for Either Track: PHD 3935 Advanced Health Economics OR PHD 3931 Advanced Econometrics OR PHD 3957 Topics in Health Economics OR PHD 3812 Comparative Healthcare Systems & Policy OR PH 3998 ST: Claims Data in Health Services Research OR PHD 3922 Economic and Social Determinants of Health OR PHD 3970 Proposal Development MPCH
  - Required Course: PHM 2612 Epidemiology I OR PHD 3620 Principles and Practice of Public Health
  - One breadth and one minor or two minors
  - Dissertation: PHD 9999 Dissertation Research

Healthcare Management
Course of Study
The following departmental courses are required, except in the case of a waiver (waiver process varies by program), for PhD students majoring in Healthcare Management:
  - Leveling Course: PH 1700 Intermediate Biostatistics
  - Select an Emphasis:
  - Required Course: PHM 2612 Epidemiology I OR PHD 3620 Principles and Practice of Public Health
  - One breadth and one minor or two minors
  - Dissertation: PHD 9999 Dissertation Research

CHANGE TO:

Health Economics/Health Services Research
Course of Study
The following Departmental courses are required for PhD students majoring in Health Economics/Health Services Research:
  - Other Required Course: PH 101 Foundations in Public Health (online, not-for-credit course that covers the Foundational Knowledge Competencies set forth by CEPH)
  - Required Course: PHM 2612 Epidemiology I
  - Required Selected Track:
    - Health Economics Track: PHD 3935 Advanced Health Economics
    - Health Services Research Track: PHD 3945 Advanced Health Services Research Methods
    - Three credit hours of Selected Required Coursework for Either Track: PHD 3935 Advanced Health Economics OR PHD 3931 Advanced Econometrics OR PH 3957 Topics in Health Economics OR PH 3812 Comparative Healthcare Systems & Policy OR PHD 3922 Economic and Social Determinants
of Health OR PHD 3945 Advanced Health Services Research Methods OR PH 3941 Claims Data in Health Services Research

- One breadth and one minor OR two minors
  - Students who elect to complete two minors, must complete at least one minor outside of the department of MPACH.
  - Students who elect to complete one minor and one breadth:
    - Students who elect a primary minor within the MPACH department must complete at least two courses of the breadth outside of the department.
    - Students who elect a primary minor outside of the MPACH department may complete breadth coursework in any department.

- Dissertation: PHD 9999 Dissertation Research

Healthcare Management and Health Policy

Course of Study

The following departmental courses are required for PhD students majoring in Healthcare Management or Health Policy:

- Leveling and Other Required Courses: PH 101 Foundations in Public Health (online, not-for-credit course that covers the Foundational Knowledge Competencies set forth by CEPH) & PH 1700 Intermediate Biostatistics (academic credits from leveling courses do not count towards the total required number of credits for the degree program)
- Required Course: PHM 2612 Epidemiology I
- Select an Emphasis Area:

- One breadth and one minor OR two minors - Students are encouraged to select methodology courses appropriate for their dissertation topic.
  - Students who elect to complete two minors, must complete at least one minor outside of the department of MPACH.
  - Students who elect to complete one minor and one breadth:
    - Students who elect a primary minor within the MPACH department must complete at least two courses of the breadth outside of the department.
    - Students who elect a primary minor outside of the MPACH department may complete breadth coursework in any department.

- Dissertation: PHD 9999 Dissertation Research

1. PH 3747 reduced to 2 semester credit hours from 3 semester credit hours
CHANGE TO:

**PH 3747 Healthcare Operations Management**
3 credits

CURRENT: page 92
1. **PHD 3801 course added**

CHANGE TO:

**PHD 3801 Community-Based Grant Writing Workshop**
1 credit
The goal of this introductory-level doctoral course is to provide students with the knowledge and tools necessary to write a community-based grant proposal. This course covers the complete process of grant proposal development: legal and policy background of funding organizations; theory and culture of philanthropy; funder relations; research and identification of an achievable and fundable project; logistical concerns when preparing a proposal; proposal writing; budget development; preparation of a full proposal package for submission; and post award or rejection follow-up with funders. Students gain an understanding of community based organizations and become familiar with tools and resources available to assist them as they seek funds for their projects, institutions, or causes.

CURRENT: page 98
1. **PHM 3996 Prerequisites updated**

**PHM 3996 Capstone for MPCH Students**
3 credits
This integrative learning experience is designed to demonstrate synthesis of major themes from the MPH core and major-specific courses. Students produce at least one high-quality written product.

CHANGE TO:

**PHM 3996 Capstone for MPACH Students**
3 credits
This integrative learning experience is designed to demonstrate synthesis of major themes from the MPH core and major-specific courses. Students produce at least one high-quality written product.
Prerequisites: Student must be a MPH MPACH major or customized with advanced public health coursework meeting major-specific competency requirements, completed the MPH core courses; completed at least 30 semester credit hours the semester before enrolling in capstone; and completed or concurrent enrollment in Practicum, PH 9997.

CURRENT: page 100
1. **PH 101 course added**
2. **PH 5020 course removed**
3. **PHM 5096 prerequisites updated**
4. **PH 5098 courses updated**
PH 5020 **Innovative Thinking**  
2 credits  
This course is designed for both master’s and doctoral students who need to expand their thinking ability in terms of research questions and research solutions. The theory behind this class is that creativity and innovation can be taught. Topics include: cognitive biases and normal frames of reasoning; observation to inform thinking; thinking backwards; brainstorming; imagining the impossible as possible, and many other tools to your out-of-the box thinking toolkit. Senior scientists recognized for their creativity will share their wisdom.

PHM 5096 **Capstone for Customized Students**  
3 credits  
This integrative learning experience is designed to demonstrate synthesis of major themes from the MPH core and major-specific courses. Students produce at least one high-quality written product.

PH 5098 **Special Topics in Interdepartmental Courses: Culinary Medicine (section 850)**  
2 credits  
Through innovative nutrition curriculum and hands-on training in the culinary arts, the Culinary Medicine course will teach medical, nursing, and dietetic intern students about food: how to cook, what to eat, and how to help their patients improve their diet—and thereby, their health. Course Fee: $75.00

PH 5098 **Special Topics in Interdepartmental Courses: Garden for Health (section 800)**  
2 credits  
In the Holistic Garden of the School of Public Health, students will gain knowledge of how to use the garden as a tool to improve health and quality of life. Common fruits, vegetables and herbs that are produced during the warmer and cooler months of the year along with information that pertains to their successful cultivation and their unique roles in our diet and health will be discussed. Course Fee: $75.00

CHANGE TO:

*(PHM 5020 removed)*

PH 101 **Foundations in Public Health**  
Canvas course, not-for-credit  
This course is required for all students enrolled in a degree-seeking program. This course is an online, not-for-credit course that covers the Foundational Knowledge Competencies set forth by the Council on Education for Public Health (CEPH). Students will be added to the course in Canvas during their first semester. Students must complete the course within one year of matriculation.

PHM 5096 **Capstone for Customized Students**  
3 credits  
This integrative learning experience is designed to demonstrate synthesis of major themes from the MPH core and major-specific courses. Students produce at least one high-quality written product.  
Prerequisites: Completed the MPH core courses; completed at least 30 semester credit hours the semester before enrolling in capstone; and completed or concurrent enrollment in Practicum, PH 9997. Other prerequisites vary by campus and course offering.

PH 5098 **Special Topics in Interdepartmental Courses: Culinary Medicine (Fall section 850 and Spring section 851)**  
2 credits  
Through innovative nutrition curriculum and hands-on training in the culinary arts, the Culinary Medicine course will teach medical, nursing, and dietetic intern students about food: how to cook, what to eat, and how to help their patients improve their diet—and thereby, their health. Course Fee: $75.00
PH 5098 *Special Topics in Interdepartmental Courses: Garden for Health* (Fall section 800 and Spring section 801)
2 credits

A course on community gardening (organic) in the Holistic Garden at SPH. Students will gain knowledge of how to use the garden as a tool to improve health and quality of life for general and special needs populations. Nutritional and Medicinal values of fresh produce and how best to prepare the produce will be introduced. The course will offer specific information about the common fruits, vegetables and herbs that are produced during the year along with information that pertains to their successful cultivation and their unique roles in our diet and health. Course Fee: $75.00