

**Background and Justification for Proposals to Change  
Requirements for the MPH degree and Options**  
(February 9, 2018)

**Curricular Proposal to Change MPH major requirements**

Summary of proposal to change MPH major:

Drop 5 core courses from major's degree

Add H 513 to major

Justification:

In response to a national initiative led by the Association of Schools & Programs of Public Health (ASPPH) and the Council on Education for Public Health (CEPH) to transform public health degree programs to meet the needs of Public Health in the 21st century, faculty across multiple disciplines in our College have developed a new integrated core course, H 513: Integrated Approach to Public Health (12 credits), which will replace the five current MPH core courses as the core requirement for all MPH students. This revision to the MPH major is a strategic development. This proposal is being submitted after the College has evaluated information from our national organizations and from other Schools of Public Health who have visited our campus to share their knowledge and experience revising their own MPH curriculum as part of this national effort. This proposal to change the major is the culmination of work that the College faculty have completed in committees during the past three years. The new course comprises the common core of the MPH degree, as defined in the CEPH foundational MPH competencies (CEPH is our accrediting body). The H 513 learning objectives cover critical and interdisciplinary content in foundational areas of public health, and the course is designed to deliver that core knowledge in a way that demonstrates both the application and the integration of the different public health disciplines. H 513 was recently approved as a new course (proposal ID# 99963). With this proposal, we are seeking to change the MPH major requirements by replacing the current set of MPH courses (17 credits) with H 513 (12 credits). At the same time that this proposal is being submitted, proposals to change each option of the MPH are also being submitted; those proposals make changes to the required coursework for each option, in part in response to this change to the major's core requirements.

Current Requirements as Described in Catalog with Changes Indicated in Track Changes:

**Master of Public Health (MPH)**

The College of Public Health and Human Sciences offers six options within the MPH degree:

1. Biostatistics
2. Environmental and Occupational Health
3. Epidemiology
4. Global Health
5. Health Management and Policy
6. Health Promotion and Health Behavior

All MPH students take an integrated core course, H 513, Integrated Approach to Public Health (12 credits), which introduces students to the core knowledge and methods used in public health, including evidence based approaches to public health, public health and health care systems, planning and management to promote health, and policy in public health. a common MPH core of five courses in the following areas:

- ~~Biostatistics~~
- ~~Environmental health~~
- ~~Epidemiology~~
- ~~Health behavior~~
- ~~Health systems organization~~

Other d Degree requirements vary by option. See handbooks for option-specific degree requirements: <http://health.oregonstate.edu/degrees/graduate/public-health/graduate-handbooks>.

All MPH students must do a 6-credit internship upon completion of their core and option classes. Upon completion of all required course work and the internship, all MPH students must schedule a final oral examination. Students must receive approval to take the exam from their academic advisors

Summary of proposals to change each option of the MPH:  
See proposal for each option

Justification:

In response to a national initiative led by the Association of Schools & Programs of Public Health (ASPPH) and the Council on Education for Public Health (CEPH) to transform public health degree programs to meet the needs of Public Health in the 21st century, faculty across multiple disciplines in our College have developed a new integrated core course, H 513: Integrated Approach to Public Health (12 credits), which will replace the five current MPH core courses as the core requirement for all MPH students (see proposal ID# 100872). At the same time, we are proposing to change each option of the MPH, at least partially in response to the change to the major's core requirements. These option-specific proposals are designed to ensure (1) that any content from the former core courses that is not included in the new core course, H 513, but is critical to the specific option is now covered in the option's required coursework; (2) that students in the option achieve option-specific competencies; and (3) that the total number of credits required for the option falls within the range for all MPH options. Some curricular proposals will require additional follow-up Cat II proposals, which are in progress or forthcoming.

Current Requirements as Described in Catalog with Changes Indicated in Track Changes:

## **Biostatistics Graduate Option**

## Required

[H 524. Introduction to Biostatistics \(4\)](#)

[H 525. Epidemiological Methods I \(3\)](#)

H 526. Epidemiological [Methods II](#) (3)

H 580. Linear Regression and Analysis of Time to Event Data (4)

H 581. Generalized Linear Models and Categorical Data Analysis (4)

H 582. Analysis of Correlated Health Data (3)

~~H 584. Analysis of Intervention Studies and Clinical Trials (3)~~

ST 521. Introduction to Mathematical Statistics (4)

ST 522. Introduction to Mathematical Statistics (4)

Electives (~~12~~3 credits)

## Environmental and Occupational Health Graduate Option

### Required

~~GRAD 520. Responsible Conduct of Research (1)~~

[H 512. Introduction to Environmental & Occupational Health \(3\)](#)

[H 514. Environment, Safety and Health Seminar \(3\)](#)

[H 524. Introduction to Biostatistics \(4\)](#)

~~H 542. Environmental and Occupational Health Risk Assessment (3)~~

H 543. Exposure Science I (3)

~~H 544. Environmental and Occupational Epidemiology (3)~~

~~H 546. Exposure Science II: Sampling and Measurement (3)~~

H 548. Public Health Toxicology (3)

H 583. Environmental and Occupational Health and Safety Management (3)

[Select two of the following:](#)

[H 540. Water and Human Health \(3\)](#)

[H 541. Air Quality and Human Health \(3\)](#)

[H 546. Exposure Science II: Sampling and Measurement \(3\)](#)

~~[H 514. Environment, Safety and Health Seminar \(3\)](#)~~

Electives (18 credits)

## Epidemiology Graduate Option

### Required

[H 525. Epidemiological Methods I \(3\)](#)

H 526. Epidemiological [Methods II](#) (3)

[H 564. Computing Tools and Health Data Analysis \(3\)](#)

~~H 553. Applied Epidemiologic Methods (3)~~

H 580. Linear Regression and Analysis of Time to Event Data (4)

H 581. Generalized Linear Models and Categorical Data Analysis (4)

Electives (~~27~~15 credits)

***At least three of the following:***

~~H 550. Social Epidemiology (3)~~  
~~H 552. Disaster Epidemiology (3)~~  
~~H 554. Epidemiology of Aging (3)~~  
~~H 555. Cancer Epidemiology (3)~~  
~~H 560. Public Health Surveillance (3)~~  
~~H 562. Infectious Disease Epidemiology (3)~~  
~~H 599. Special Topics (Reproductive Epidemiology) (3)~~

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~~H 552. Disaster Epidemiology (3)~~  
~~H 554. Epidemiology of Aging (3)~~  
~~H 555. Cancer Epidemiology (3)~~  
~~H 560. Public Health Surveillance (3)~~  
~~H 562. Infectious Disease Epidemiology (3)~~  
~~H 599. Special Topics (Reproductive Epidemiology) (3)~~

## Global Health Graduate Option

### Required

[H 506. Projects \(1\)](#)  
H 511. Community, Culture and Global Health (3)  
H 516. Research Methods for Global Health (3)  
H 519. Displacement, Migration, and Global Health (3)  
[H 524. Introduction to Biostatistics \(4\)](#)  
~~H 527. Critical Assessment of International Health Programs (3)~~  
~~H 528. Global Health Issues (3)~~  
H 529. International Health (3)  
[H 535. Interpreting Epidemiologic Evidence \(3\)](#)  
[H 571. Principles of Health Behavior \(3\)](#)

Electives (~~23~~[19](#)~~18~~ credits)

## Health Management & Policy Option

### Required

[H 520. Health Disparities \(or equivalent approved by major advisor\) \(3\)](#)  
~~H 533 Health System Organization (3)~~  
~~H 518. Public Health Ethics and Issues (3)~~  
~~—or PHL 544. Biomedical Ethics (4)~~  
~~H 530. Health Policy Analysis (3)~~  
H 532. Economic Issues in Health and Medical Care (3)  
[H 533 Health Systems Organization \(3\)](#)  
[H 534. Health Care Law and Regulation \(3\)](#)

H 536. Healthcare Organization [Leadership](#) Theory and Behavior (3)  
H 556. Strategic Management of Health Services Organizations (3)  
[H 598. Health Policy Analysis Methods](#)  
~~H 534. Health Care Law and Regulation (3)~~  
[PHL 544. Biomedical Ethics \(4\)](#)  
~~H 520. Health Disparities (or equivalent approved by major advisor) (3)~~  
[Electives \(18 credits\)](#)

### **Option Electives**

#### ***Four of the following:***

~~H 515. Research Methods in Social and Behavioral Health Sciences (3)~~  
~~H 531. Health Care Marketing (3)~~  
~~H 534. Health Care Law and Regulation (3)~~  
~~H 557. Financial Management of Health Care Organizations (3)~~  
~~H 558. Reimbursement Mechanisms (3)~~  
~~H 559. Contracts and Negotiation (3)~~  
~~Other Electives (12 credits)~~

## **Health Promotion & Health Behavior Option**

### **Required**

H 515. Research Methods in Social and Behavioral Health Sciences (3)  
[H 524. Introduction to Biostatistics \(4\)](#)  
H 549. Mass Media and Health (3)  
[H 571. Principles of Health Behavior \(3\)](#)  
H 572. Community Organization for Health Promotion and Education (3)  
H 575. Evaluation of Health Promotion and Education Programs (3)  
H 576. Program Planning/Proposal Writing in Health/Human Services (4)  
~~H 571. Principles of Health Behavior (3)~~

Electives (~~18~~20 credits)