

MPH CURRICULUM:

Currently two main areas of subspecialty concentration are offered for the MPH degree, namely Public Health Practice and Occupational and Environmental Health, each with a minimum total of **42 credit hours**. The following represent the MPH core, the required (major) courses for these two areas of concentration and the current range of available elective courses:

MPH Core Courses taken by all MPH students (17 credits)

<i>FPH 7010</i>	<i>Introduction to Public Health (1 credit)</i>
<i>FPH 7240</i>	<i>Epidemiology (3 credits)</i>
<i>FPH 7015</i>	<i>Biostatistics I (4 credits)</i>
<i>FPH 7100</i>	<i>Health Care Organization and Administration (3 credits)</i>
<i>FPH 7320</i>	<i>Social Basis of Health Care (3 credits)</i>
<i>OEH 7420</i>	<i>Principles of Environmental Health (3 credits)</i>

Public Health Practice (MPH-PHP) Major Courses (10 credits):

<i>FPH 7210</i>	<i>Research Methods for Health Professionals (4 credits)*</i>
<i>FPH 7230</i>	<i>Health Program Evaluation (3 credits)</i>
<i>FPH 7250</i>	<i>Applied Epidemiology (3 credits)*</i>

* Prerequisites: *FPH 7015* and *FPH 7240*

Occupational and Environmental Health (MPH-OEH) Major Courses (10 credit hours)

<i>FPH 7210</i>	<i>Research Methods for Health Professionals (4 credits)*</i>
<i>FPH 7250</i>	<i>Applied Epidemiology (3 credits)</i>
<i>FPH 7860</i>	<i>Principles of Occupational Health (3 credits)(OEH 7860)</i>

* Prerequisites: *FPH 7015* and *FPH 7240*

Culminating Experiences taken by all MPH students (6 credit hours):

<i>FPH/OEH7440</i>	<i>Practicum in Public Health (3 credits)</i>
<i>FPH 8990</i>	<i>MPH project (3 credits)</i>

Examples of Elective Course Choices for MPH-PHP (minimum of 9 credit hours): that allows students to focus in a range of different areas of public health practice. For example those students interested in focusing on:

- a) Health Policy and Organizational Leadership** could consider including some of the following available elective courses:

<i>FPH 7200</i>	<i>Health Planning (3 credits)(New course offering)</i>
<i>FPH 7300</i>	<i>Health Care Policy (3 credits)</i>
<i>FPH 7415</i>	<i>Principles of Health Care Management (3 credits)</i>

And courses offered by the School of Business Administration, the Law School and the Department of Geography and Urban Planning are also available.

- b) Health Promotion and Education** could consider including some of the following available elective courses:

<i>FPH 7760</i>	<i>Community Health Education (3 credits)</i>
<i>FPH 7510</i>	<i>Community Health: Detroit Initiatives (3 credits)</i>
<i>FPH 7200</i>	<i>Health Planning (3 credits)(New course offering)</i>
<i>FPH 7370</i>	<i>Health, Disease, and Aging (3 credits)</i>

And courses offered by the College of Nursing, the School of Social Work and the Department of Anthropology are also available.

- c) Prevalence and Risk Factor Surveillance** in support of early detection, management and prevention of disease and injuries could consider including some of the following available elective courses:

<i>FPH 7020</i>	<i>Biostatistics II (3 credits)</i>
<i>FPH 7370</i>	<i>Health, Disease, and Aging (3 credits)</i>
<i>FPH 8090</i>	<i>Interdisciplinary Perspectives on Addictions (3 credits)</i>

And courses offered by the Department of Anthropology and in Applied Statistical Analysis offered by the College of Nursing are also available.

Examples of Elective Course Choices MPH-OEH (minimum of 9 credit hours): representing course clusters that demonstrate the potential to provide students with career opportunities associated with both traditional and emerging occupational and environmental health issues. Individual MPH programs can be further expanded by concomitant enrollment in one of the following graduate certificates in *Occupational Safety* or *Environmental Health & Hazardous Materials Handling* offered by the Occupational and Environmental Health Sciences Programs in the Eugene Applebaum College of Pharmacy and Health Sciences.

- a) Physicians and Other Health Care Professionals** with a background in both the biological and physical sciences should consider including the following courses in their MPH plan of work.

OEH 7010 Introduction to Industrial Hygiene and Toxicology (3 credits)

OEH 7300 Industrial Toxicology (3 credits) (Prereq. OEH 7010)

OEH 7720 Industrial Hygiene Controls (2 credits) (Coreq. OEH 7010)

They might consider also enrolling in the Graduate Certificate in Occupational Safety for a minimum of 7 additional credit hours:

Occupational Safety Graduate Certificate Required Courses:

OEH 6250 Introduction to Occupational Health & Safety Training (2 credits)

OEH 7280 Occupational Safety (2 credits)

OEH 7290 Principles of System & Process Safety Management (3 credits)

Recommended Additional Electives:

HE 6530 Principles & Practice of Health Education & Health Promotion (3 Cr.)

OEH 7110 Occupational Ergonomics (2 credits)

OEH 7820 Regulatory Affairs in Occupational & Environmental Health (2 credits)

OEH 7840 Occupational Health Management (2 credits) (Prereq. OEH 7010)

- b) Individuals Interested in the Public Health Aspects of Toxicology** with a background in both the biological and physical sciences should consider including the following courses in their MPH plan of work.

OEH 7010 Introduction to Industrial Hygiene and Toxicology (3 credits)

OEH 7300 Industrial Toxicology (3 credits) (Prereq. OEH 7010)

OEH 7310 Critical Issues in Toxicology (2 credits) (Prereq. OEH 7300)

OEH 7330 Selected Topics in Toxicology - (2 credits) (Prereq. OEH 7300)

They might consider also enrolling in the Graduate Certificate in Environmental Health and Hazardous Materials Control for an additional 7 credit hours:

Environmental Health & Hazardous Material Handling Grad. Cert. Required Courses:

OEH 7420 Principles of Environmental Health (3 credits) (MPH core course)

OEH 7820 Regulatory Affairs in Occupational & Environmental Health (2 credits)

OEH 7160 Current Topics in Occupational & Environmental Health (1 credit) or

OEH 7090 Frontiers in Industrial Hygiene (1 credit)

Recommended Additional Electives:

HE 6530 Principles & Practice of Hlth. Education & Hlth. Promotion (3 Cr.)

OEH 7840 Occupational Health Management (2 credits) (Prereq. OEH 7010)

CHE 6570 Safety in the Chemical Process Industry (2 credits)

CHE 6610 Risk Assessment

CHE 7220 Industrial Waste Treatment

- c) Individuals Interested in Employee and Organizational Health** with a background in the psychosocial and behavioural sciences should consider including the following courses in their MPH plan of work.

FPH 7870 Occupational Health Psychology (3 credits)*

FPH 7880 Organizational Determinants of Employee Health & Productivity (3 cr.)*

* New course offerings under development for Academic Year 2010

They might consider also enrolling in the Graduate Certificate in Occupational Safety for a minimum of 7 additional credit hours:

Occupational Safety Graduate Certificate Required Courses:

- OEH 6250 Introduction to Occupational Health & Safety Training (2 credits)
OEH 7280 Occupational Safety (2 credits)
OEH 7290 Principles of System & Process Safety Management (3 credits)

Recommended Additional Electives:

- HE 6530 Principles & Practice of Health Education & Health Promotion (3 Cr.)
PS 7320 Organization Theory and Behavior (3 credits)
PSY 7500 Research Methods in Industrial/Organizational Psychology (3 credits)
PSY 7590 Industrial and Organizational Psychology (3 credits)
PSY 7620 Social Psychology: Research and Theory (3 credits)
PSY 8350 Community Psychology (3 credits)
PSY 8310 Health Psychology II (3 credits)

List of Available Elective Courses (minor)

- FPH 7020 Biostatistics II (3 credits)
FPH 7200 Health Planning (3 credits)(New course offering)
FPH 7300 Health Care Policy (3 credits)
FPH 7370 Health, Disease, and Aging (3 credits)
FPH 7380 Gerontological Health Care (3 credits)
FPH 7415 Principles of Health Care Management (3 credits)
FPH 7760 Community Health Education (3 credits)
FPH 7510 Community Health: Detroit Initiatives (3 credits)
FPH 8090 Interdisciplinary Perspectives on Addictions (3 credits)
FPH 7990 Directed Study in Public Health Practice (1-6 credits)
FPH 7860 Principles of Occupational Health (3 credits)
OEH 6250 Introduction to Occupational Health & Safety Training (2 credits).
OEH 7080 Industrial Hygiene Practice (2credits) (Prereq. OEH 7010)
OEH 7110 Occupational Ergonomics (2 credits)
OEH 7120 Principles of Industrial Noise Ctrl. (3 credits) (Coreq. OEH 7010)
OEH 7270 Radiation Safety: Principles and Practice (2 credits)
OEH 7280 Occupational Safety (2 credits)
OEH 7290 Principles of System & Process Safety Management (3 credits)
OEH 7310 Critical Issues in Toxicology (2 credits) (Prereq. OEH 7300)
OEH 7330 Selected Topics in Toxicology - (2 credits) (Prereq. OEH 7300)
OEH 7510 Air Sampling and Analysis (3 credits) (Coreq. OEH 7010)
OEH 7600 Principles of Industrial Ventilation (3 credits) (Coreq. OEH 7010)
OEH 7720 Industrial Hygiene Controls (2 credits) (Coreq. OEH 7010)
OEH 7820 Regulatory Affairs in OEH (2 credits)
OEH 7840 Occupational Health Management (2 credits) (Prereq. OEH 7010)
OEH 7870 Periodical Literature in Occupational Health (1 credit)
OEH 7990 Directed Study in Occupational & Environmental Hlth.(1-4 credits)

Note: Other graduate courses (6000 level and above) of relevance to a student's specific career needs can also be considered. These courses are offered in Business Administration, Education, Nursing, Political Science, Psychology, and Sociology, but require the MPH program director and advisor approval for inclusion in a MPH Plan of Work. These can include:

- ANT 6680 Studies in Cultural Anthropology (2-4)
ANT 6700 Topics in Medical Anthropology (3)
ANT 7260 Urban Poverty and Racial Segregation (3)
ANT 7680 Medical Anthropology I (3)
ANT 7690 Medical Anthropology II (3)
BA 7000 Accounting (3)
BA 7020 Finance for Health Care (3)
BA 7050 Human Resource Management (3)
BA 7050 Marketing (3)
BA 7070 Legal Environment of Health Care (3)

EER 7650	<i>Computer Use in Research (3)</i>
EER 7900	<i>Fundamentals of Qualitative Research (3)</i>
EER 8700	<i>Advanced Qualitative Evaluation: Theory and Practice (3)</i>
ECON 6550	<i>Advanced Economics of Health Care (4)</i>
HE 6420	<i>Introduction to Health Program Design (3)</i>
HE 6530	<i>Principles & Practice of Health Education & Health Promotion (3)</i>
IT 8150	<i>Needs Assessment and Program Validity (3)</i>
LEX 7410	<i>International Organizations and Public Health (3)</i>
NUR 7745	<i>Immigration and Health (3) (ANT 7745)</i>
NUR 8210	<i>Health Care Determinants: Focus on Urban Environments (3)</i>
NUR 8610	<i>Applied Statistical Analysis Hlth Cr Res. I (3)</i>
NUR 8612	<i>Applied Statistical Analysis Hlth Cr. Res. II (3)</i>
NFS 6160	<i>Food Law and Regulations (3)</i>
NFS 7000	<i>Nutrition, Metabolomics and Bioinformatics</i>
PS 7320	<i>Organization Theory and Behavior (3)</i>
PS 7430	<i>Health Care Policy in the United States (3)</i>
PSY 8300	<i>Health Psychology I (3)</i>
PSY 8310	<i>Health Psychology II (3)</i>
PSY 8350	<i>Community Psychology (3)</i>
SOC 6750	<i>Sociology of Urban Health (3)</i>
SOC 7010	<i>Special Topics in Medical Sociology (3)</i>
SOC 7100	<i>Women's Health (4)</i>
SW 6535	<i>Juvenile Delinquency: Social Functioning (2-4)</i>
SW 7010	<i>Intervention Strategies in Infant Mental Health (3)</i>

GRADUATE CERTIFICATE OF PUBLIC HEALTH PRACTICE CURRICULUM:

Candidates must complete a minimum of 15 to 16 credits of course work. Electives from the above list may be taken within or outside the department. A grade point average of 3.00 in certificate coursework must be maintained. All work must be completed within three years.

The program requires completion of the following core courses:

FPH 7010	<i>Introduction to Public Health (1 credit)</i>
FPH 7240	<i>Epidemiology I (3 credits)</i>
FPH 7015	<i>Biostatistics I (4 credits) (previously numbered FPH 6010)</i>
OEH 7420	<i>Principles of Environmental Health (3 credits)</i>