May 17, 2011

MEMORANDUM

TO: Robert S. Gold
    Dean, School of Public Health

FROM: Elizabeth Beise
      Associate Provost for Academic Planning and Programs

SUBJECT: Proposal to Modify the Curriculum of the M.P.H. in Environmental Health Sciences (PCC log no. 10062)

On May 6, 2011, the Senate Committee on Programs, Curricula, and Courses approved your proposal to modify the curriculum of the M.P.H. in Environmental Health Sciences. A copy of the approved proposal is attached.

The change is effective Fall 2011. The School should ensure that the change is fully described in the Graduate Catalog and in all relevant descriptive materials, and that all advisors are informed.

MDC/
Enclosure

cc: David Salness, Chair, Senate PCC Committee
    Sarah Bauder, Office of Student Financial Aid
    Reka Montfort, University Senate
    Erin Howard, Office of Information Technology
    Donna Williams, Institutional Research & Planning
    Anne Turkos, Archives
    Linda Yokoi, Office of the Registrar
    Thomas Castonguay, Graduate School
    Coke Farmer, School of Public Health
    Donald Milton, Maryland Institute for Applied Environmental Health
The University of Maryland, College Park
Program/Curriculum/Unit Proposal

- Please email the rest of the proposal as an MSWord attachment to pcc-submissions@umd.edu.
- Please submit the signed form to the Office of the Associate Provost for Academic Planning and Programs, 1119 Main Administration Building, Campus.

College/School: SPHL
Please also add College/School Unit Code-First 8 digits: 01203300
Unit Codes can be found at: https://hypprod.umd.edu/Html_Reports/units.htm

Department/Program: MARYLAND INSTITUTE FOR APPLIED ENVIRONMENTAL HEALTH
Please also add Department/Program Unit Code-Last 7 digits: 1331701

Type of Action (choose one):
- x Curriculum change (including informal specializations)
- Renaming of program or formal Area of Concentration
- Addition/deletion of formal Area of Concentration
- Suspend/delete program

New academic degree/award program
New Professional Studies award iteration
New Minor
Other

Italics indicate that the proposed program action must be presented to the full University Senate for consideration.

Summary of Proposed Action:
We propose two changes: 1) substitute MIEH688 for MIEH600 in the curriculum for Environmental Health Science MPH candidates and 2) make MIEH780 a required course for all EHS students.
These two changes require the following three actions: (1) Drop MIEH600 as a requirement for the MPH in EHS. (2) Add a requirement that all MPH candidates in EHS take MIEH688 for three semesters. (3) Change MIEH780 from an elective to a required course.

MIEH600 Foundations of Environmental Health, covers in broad strokes material covered in more detail in courses required of EHS students. Therefore it does not serve a good purpose for EHS students. MIEH688 ‘Seminar in MIAEH: Current Topics in Environmental Health’ taken for three semesters will be required for the MPH in EHS. MIEH600 will continue to be offered for non-EHS students.

MIEH780 has been modified to increase the emphasis on prevention and hygiene. It will give a guided experience where students begin to synthesize information from epidemiology, biostatistics, toxicology, exposure assessment, and risk assessment.

Approval Signatures - Please print name, sign, and date. Use additional lines for multi-unit programs.

1. Department Committee Chair
2. Department Chair
3. College/School PCC Chair
4. Dean
5. Dean of the Graduate School (if required)
6. Chair, Senate PCC
7. University Senate Chair (if required)
8. Senior Vice President for Academic Affairs & Provost
PCC Application to modify the Environmental Health Sciences MPH offered by the Maryland Institute for Applied Environmental Health
April, 2011

Overview and Rationale:

We propose two changes: 1) substitute MIEH688 for MIEH600 in the curriculum for Environmental Health Science MPH candidates and 2) make MIEH780 a required course for all EHS students. These two changes require the following three actions:

1. Drop MIEH600 as a requirement for the MPH in EHS.
2. Add a requirement that all MPH candidates in EHS take MIEH688 for three semesters.
3. Change MIEH780 from an elective to a required course.

We propose to change the environmental health course used to fulfill the core course requirement for students admitted to the MPH in Environmental Health Sciences. Currently, Environmental Health Science students are required to take MIEH600 Introduction to Environmental Health. We propose to substitute MIEH688 ‘Seminar in MIAEH: Current Topics in Environmental Health’ for EHS students. MIEH600 will continue to be offered and this change will not affect the availability of this course or its requirement of MPH students outside of the EHS concentration.

EHS students will be required to take three credits of MIEH688, one each semester for three semesters. All of the material taught in MIEH600 is covered in greater depth in their other MIEH courses. Thus, MIEH600 is redundant for EHS students. By substitution with MIEH688, which covers the broad range of EHS topics and requires more active participation of students, including journal critiques and presentations, we will be able to give MIAEH students a deeper EHS experience while maintaining the broad exposure characteristic of core courses. Furthermore, by requiring three semesters to achieve three credits, this course will serve to bring all MIAEH students together across entering cohorts thus fostering greater student-to-student learning experiences and serve as a means of building a strong EHS community within the study body. Finally, because we are currently recommending to all MIAEH students that they use one of their electives for MIEH688 (currently MIEH698c), this change will increase the number of electives available to EHS students.

MIEH780 has been modified (in separate proposal) to reduce emphasis on diseases and to increase the emphasis on prevention and hygiene. This course then gives the students a guided experience where they begin to synthesize information from epidemiology, biostatistics, toxicology, exposure assessment, and risk assessment. Thus, while we had begun to see the course as an elective, we now consider it an essential cognate area course.
Current (Old) Requirements:

Graduate Catalog:

The MPH with a concentration in Environmental Health Sciences is a 42-credit professional degree. All MPH students with concentration in Environmental Health Sciences will complete 5 public health core courses, 7 courses in the environmental health sciences cognate area, an internship, and a capstone project or thesis. Students completing a project take 2 elective courses (within the cognate area) and students completing a thesis take 1 elective course and apply 1 elective toward the thesis.

MIAEH Advising documents and webpage:

Curriculum as currently shown on webpage and in advising documents:

Table 2: Proposed MPH Program with Concentration in Environmental Health Sciences

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Core 15 credits</strong></td>
<td></td>
</tr>
<tr>
<td>EPIB 610  Foundations of Epidemiology</td>
<td>3</td>
</tr>
<tr>
<td>EPIB 650  Biostatistics 1</td>
<td>3</td>
</tr>
<tr>
<td>HLSA 601  Introduction to Health Systems</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 665  Health Behavior I</td>
<td>3</td>
</tr>
<tr>
<td>MIEH 600  Foundations of Environmental Health</td>
<td>3</td>
</tr>
<tr>
<td>MIEH 740  Risk Assessment</td>
<td>3</td>
</tr>
<tr>
<td>MIEH 720  Principles of Toxicology</td>
<td>3</td>
</tr>
<tr>
<td>MIEH 770  Law and Policy in Environmental Health</td>
<td>3</td>
</tr>
<tr>
<td>(Substituted by PUAF 740, PUAF 741 or other course by advisement)</td>
<td></td>
</tr>
<tr>
<td>MIEH 771  Exposure Assessment</td>
<td>3</td>
</tr>
<tr>
<td>MIEH 780  Environmental and Occupational Health</td>
<td>3</td>
</tr>
<tr>
<td>or MIEH 773  Biological Contaminants in the Environment</td>
<td></td>
</tr>
<tr>
<td>Electives with Advisement (3 credits of MIEH 698A is recommended)</td>
<td>6</td>
</tr>
<tr>
<td><strong>Cognate Area 21 credits</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Capstone 6 credits</strong></td>
<td></td>
</tr>
<tr>
<td>MIEH 785  Internship in Public Health</td>
<td>3</td>
</tr>
<tr>
<td>MIEH 786  Capstone Project in Public Health or MIEH 799 Thesis</td>
<td>3</td>
</tr>
<tr>
<td>(an elective course provides the additional 3 credits for thesis)</td>
<td></td>
</tr>
<tr>
<td>Total Credits for Proposed Environmental Health MPH Program</td>
<td>42</td>
</tr>
</tbody>
</table>
Proposed (New) Requirements:
Graduate Catalog:
No change

MIAEH Advising documents and webpage:

Revised table:

<table>
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<tr>
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<td>HLTH 665 Health Behavior I</td>
<td>3</td>
</tr>
<tr>
<td>MIEH 688 Seminar in MIAEH: Current Topics in Env Health</td>
<td>3</td>
</tr>
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<td>MIEH 740 Risk Assessment</td>
<td>3</td>
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<td>Electives</td>
<td></td>
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<td>MIEH 773 Biological Contaminants in the Environment</td>
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<td>Others</td>
<td></td>
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<td><strong>Cognate Area (21 credits)</strong></td>
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<td>Thesis (an elective course provides the additional 3</td>
<td></td>
</tr>
<tr>
<td>credits for thesis)</td>
<td></td>
</tr>
<tr>
<td><strong>Capstone (6 credits)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Total Credits for Proposed Environmental Health MPH</strong></td>
<td>42</td>
</tr>
</tbody>
</table>

Sample Program:

**Fall Year 1:**
EPIB610 (3)
EPIB650 (3)
MIEH720 (3)
MIEH688 (1)
Total Credits (10)

**Spring Year 1:**
MIEH771 (3)
MIEH770 (3)
HLTH665 (3)
MIEH688(1)
Total Credits (10)
Fall Year 2:
MIEH740 (3)
MIEH780 (3)
MIEH785 (3)
HLSA601(3)
Total Credits(12)

Spring Year 2:
MIEH 786 (3)
MIEH773 (3)
Elective (3)
MIEH688 (1)
Total Credits (10)

Prerequisite Structure
No change – no courses were predicated on having taken MIEH600.

New Courses:
None

Courses Deleted from Requirements
MIEH600 will be deleted from requirements for EHS MPH students, with no change in requirements for other MPH students.

Other Departments Affected
None

Previously Enrolled Students
There will be no change in the requirements for students entering the MPH in EHS in prior years.