**Program Request**

Epidemiology Minor

**Fiscal Unit/Academic Org**
College of Public Health - D2505

**Administering College/Academic Group**
Public Health

**Co-administering College/Academic Group**

**Semester Conversion Designation**
New Program/Plan

**Proposed Program/Plan Name**
Epidemiology Minor

**Type of Program/Plan**
Undergraduate minor

**Program/Plan Code Abbreviation**
EPI-MN

**Proposed Degree Title**

**Credit Hour Explanation**

<table>
<thead>
<tr>
<th>Program credit hour requirements</th>
<th>A) Number of credit hours in current program (Quarter credit hours)</th>
<th>B) Calculated result for 2/3 units of current (Semester credit hours)</th>
<th>C) Number of credit hours required for proposed program (Semester credit hours)</th>
<th>D) Change in credit hours</th>
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<tr>
<td>Total minimum credit hours required for completion of program</td>
<td>15</td>
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<td>Required credit hours offered by the unit</td>
<td>Minimum</td>
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<tr>
<td></td>
<td>Maximum</td>
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<tr>
<td>Required credit hours offered outside of the unit</td>
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<tr>
<td></td>
<td>Maximum</td>
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<tr>
<td>Required prerequisite credit hours not included above</td>
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<tr>
<td></td>
<td>Maximum</td>
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</table>

**Program Learning Goals**

Note: These are required for all undergraduate degree programs and majors now, and will be required for all graduate and professional degree programs in 2012. Nonetheless, all programs are encouraged to complete these now.

**Program Learning Goals**

1. Apply the fundamental principles of biostatistics and epidemiology to domestic and international population issues.
2. Develop quantitative awareness of the multiple-scale, and multiple interactions that characterize public health problems.
3. Summarize major factors that contribute to human disease and compromised quality of life.
4. Analyze and interpret fundamental statistical and epidemiological data.
5. Summarize intervention and disease prevention strategies to sustain and improve quality of life.

**Assessment**

Assessment plan includes student learning goals, how those goals are evaluated, and how the information collected is used to improve student learning. An assessment plan is required for undergraduate majors and degrees. Graduate and professional degree programs are encouraged to complete this now, but will not be required to do so until 2012.

Is this a degree program (undergraduate, graduate, or professional) or major proposal? No

**Program Specializations/Sub-Plans**

If you do not specify a program specialization/sub-plan it will be assumed you are submitting this program for all program specializations/sub-plans.
Pre-Major

Does this Program have a Pre-Major? No

Attachments

* LetterOAA_CPH MinorEpidemiology.pdf
  
  (Letter from the College to OAA. Owner: Ferketich, Amy Kathleen)

* CPH Minor in Epidemiology proposal.pdf
  
  (Program Proposal. Owner: Ferketich, Amy Kathleen)

* CPH Minor in Epidemiology advising sheet.pdf
  
  (Semester Advising Sheet(s). Owner: Ferketich, Amy Kathleen)

Comments

* Non-ASC minor to be advanced to OAA. (by Vankeerbergen, Bernadette Chantal on 01/21/2015 12:43 PM)

Workflow information

<table>
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<tr>
<th>Status</th>
<th>User(s)</th>
<th>Date/Time</th>
<th>Step</th>
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<tr>
<td>Submitted</td>
<td>Ferketich, Amy Kathleen</td>
<td>01/20/2015 07:12 PM</td>
<td>Submitted for Approval</td>
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<tr>
<td>Approved</td>
<td>Katz, Mira L.</td>
<td>01/21/2015 10:48 AM</td>
<td>Unit Approval</td>
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<tr>
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<td>Biseli, Michael Salvatore</td>
<td>01/21/2015 12:41 PM</td>
<td>College Approval</td>
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<td>Approved</td>
<td>Vankeerbergen, Bernadette Chantal</td>
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<td>ASCCAO Approval</td>
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<tr>
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<td>Fink, Steven Scott</td>
<td>01/21/2015 01:18 PM</td>
<td>ASC Approval</td>
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<td>Newhouse, Melissa Ann</td>
<td>01/21/2015 01:18 PM</td>
<td>CAA Approval</td>
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January 20, 2015

W. Randy Smith, Vice Provost for Academic Affairs
Office of Academic Affairs
203 Bricker Hall
190 N. Oval Mall
Columbus, OH 43210

RE: Proposed Undergraduate Minor in Epidemiology

Dear Dr. Smith:

Please find attached a proposal by the College of Public Health to offer a new Undergraduate Epidemiology Minor. The program was developed by the College’s Division of Epidemiology and meets the criteria for undergraduate minors at Ohio State. The proposed minor will offer students from numerous undergraduate majors from throughout the University to enhance their respective plan of study.

The proposal was reviewed and approved by the College’s Undergraduate Studies Committee on December 5, 2014. It was subsequently approved by the College faculty during the December 10, 2014 faculty meeting.

In addition to the proposal, you will find attached all of the required information about this program, including the rationale, the degree requirements and the advising sheet. We would greatly appreciate favorable review and approval.

Sincerely,

Michael S. Bisesi
Senior Associate Dean for Academic Affairs
Chair (Interim), Division of Environmental Health Sciences
Director, Center for Public Health Practice
January 20, 2015

W. Randy Smith, Vice Provost for Academic Affairs
Office of Academic Affairs
203 Bricker Hall
190 N. Oval Mall
Columbus, OH 43210

RE: Proposed Undergraduate Minor in Epidemiology

Dear Dr. Smith,

As Chair of the Undergraduate Studies Committee and a professor in the Division of Epidemiology, I am pleased to submit a proposal for an undergraduate Epidemiology Minor. The minor was developed with faculty in the Division of Epidemiology, and approved by the Undergraduate Studies Committee and College of Public Health faculty (as indicated in the College letter). While the minor will be housed in the College of Public Health, it is important to note that the majority of faculty in Epidemiology voted to approve this minor. Two current courses will need to be modified from 2 hours to 3 hours (PUBHEPI 5411 Outbreak Investigation and PUBHEPI 5412 Infectious Diseases in the Developing World), one course will need to be changed from a 6000-level course to a 5000-level course (PUBHEPI 5437 Cardiovascular Disease Epidemiology) and one new course will need to be developed (PUBHEPI 54XX Social Epidemiology). The changes will be submitted during Spring Semester, 2015 and the new course will be proposed by the end of Spring Semester, 2015.

Please find attached all of the required information about this program, including the rationale, the degree requirements and the advising sheet.

Sincerely,

Amy Ferketich, PhD
Professor
Chair, Undergraduate Studies Committee
Co-Director, Public Health Honors Program
The Ohio State University College of Public Health
Program Rationale Statement & Executive Summary

The College of Public Health would like to develop additional undergraduate minors. Currently, there is one minor in Global Public Health, but we could have more focused minor fields of study given that we have five divisions and numerous specializations of study at the master’s level. This issue is significant because additional minors could provide exposure to the field of public health among undergraduate students. Moreover, more focused minors may be attractive to students who are interested in specific areas within the field of public health.

The undergraduate Epidemiology Minor was developed by the Division of Epidemiology faculty and the Undergraduate Studies Committee in the College of Public Health. The curriculum is comprised of two methods courses (Introduction to Epidemiology and Biostatistics for Public Health Research), one course in infectious disease epidemiology (Outbreak Investigation or Infectious Diseases in the Developing World), one course in chronic disease epidemiology (Cardiovascular Disease Epidemiology or Social Epidemiology), and one elective. If a student wishes to learn more about infectious disease epidemiology, the elective can be the other infectious disease course; similarly, if a student is more focused on chronic disease epidemiology, the elective can be the other chronic disease option. Other upper division courses in the College would be appropriate as well. Given that our College’s undergraduate offerings are increasing, the list will be updated annually and presented online in our Student Handbook.

The following are the competencies that students will achieve upon completion of this minor:
- Apply the fundamental principles of biostatistics and epidemiology to domestic and international population issues.
- Develop quantitative awareness of the multiple-scale, and multiple interactions that characterize public health problems.
- Summarize major factors that contribute to human disease and compromised quality of life.
- Analyze and interpret fundamental statistical and epidemiological data.
- Summarize intervention and disease prevention strategies to sustain and improve quality of life.

This minor should be attractive to many students on campus. For example, students who are interested in pursuing medical school after they complete their undergraduate degree are often interested in population-level research. This minor will provide students with the basic coursework on epidemiologic methods and biostatistics. Other students who are majoring in a basic science program might find the infectious disease focus of this minor useful to their careers. The two infectious disease epidemiology courses teach students how to determine if an outbreak is present in a community, what to do with infectious disease outbreak information, and what are the important infectious diseases globally. Finally, students who are majoring in a social science or nursing may find the chronic disease epidemiology coursework useful to their careers studying the social determinants of health or providing care for individuals with chronic diseases.
List of Courses

1. PUBHEPI 2410 Intro to Epidemiology (online or classroom) – 3 hours
2. PUBHBIO 2210 or 2210H Biostatistics for Public Health Research – 3 hours

3. Choose one of the following infectious disease epidemiology courses:
   PUBHEPI 5411 Outbreak Investigation or
   PUBHEPI 5412 Infectious Diseases in the Developing World – 3 hours

4. Choose one of the following chronic disease epidemiology courses:
   PUBHEPI 5437 Cardiovascular Disease Epidemiology or
   PUBHEPI 54XX Social Epidemiology (54XX to be developed) – 3 hours

5. Elective: a minimum of 3 hours of upper division, approved elective hours. Students can choose from the infectious disease or chronic disease epidemiology courses listed above or take another approved elective course. Students who choose an alternative epidemiology course should consult with an undergraduate advisor in the College of Public Health to determine approved course.
### College of Public Health
Office of Academic Programs and Student Services
1841 Neil Avenue 100 Cunz Hall
Columbus, OH 43210; 614-292-8350
cph@cph.osu.edu

### Overview
The 15 credit hour undergraduate minor in Epidemiology focuses on epidemiologic methods and two important content areas of the field: chronic disease epidemiology and infectious disease epidemiology. The minor in Epidemiology will augment and enhance many different undergraduate bachelor degree programs and expands learners’ knowledge and comprehension of issues affecting humans domestically and internationally.

### Competencies
Upon successful completion of the undergraduate minor in Epidemiology, students will be better prepared to:
- Apply the fundamental principles of biostatistics and epidemiology to domestic and international population issues.
- Develop quantitative awareness of the multiple-scale, and multiple interactions that characterize public health problems.
- Summarize major factors that contribute to human disease and compromised quality of life.
- Analyze and interpret fundamental statistical and epidemiological data.
- Summarize intervention and disease prevention strategies to sustain and improve quality of life.

### Requirements
PUBHEPI 2410 Intro to Epidemiology (3)

PUBH BIO 2210 or 2210H Biostatistics for Public Health Research (3)

Choose one of the following infectious disease epidemiology courses:
- PUBHEPI 5411 Outbreak Investigation
- PUBHEPI 5412 Infectious Diseases in the Developing World (3)

Choose one of the following chronic disease epidemiology courses:
- PUBHEPI 5437 Cardiovascular Disease Epidemiology (3)
- PUBHEPI 54XX Social Epidemiology (3)

### Requirements (cont’d)
- Elective: An upper division course (3 credits)

- Epidemiology course. Students can choose from the infectious disease or chronic disease epidemiology courses listed. Students who choose to take an alternative epidemiology course should consult with an undergraduate advisor in the College of Public Health to determine approved course.

### Prerequisite
- One introductory course in statistics (STAT 1350 or 1450 or equivalent) must be taken before or concurrent with the required course in biostatistics.

### Epidemiology minor program guidelines
- **Required for graduation** No
- **Credit hours required** 15
- **Transfer credits allowed** No more than one half of the credit hours required on the minor.
- **Overlap with the GE** No more than 6 credit hours can overlap between the GE and a minor.
- **Overlap with the major and additional minor(s)** The minor must be in a different subject than the major. Each minor completed must contain a minimum of 12 credit hours distinct from the major and/or additional minors.

### Grades required
- Minimum of a C- for a course to be listed on the minor.
- Minimum 2.00 cumulative point-hour ratio (GPA) required for the minor.
- Course work taken Pass/Non-Pass cannot count on the minor.
- No more than 3 credit hours of courses graded S/U may count toward the minor.

### Approval required
- Course work must be approved by a College of Public Health undergraduate academic advisor.

### Declaring the minor
- The minor should be declared as soon as possible, however it must be declared by the time of applying for graduation. Call 614-292-8350 to schedule an appointment to complete the minor form.