CALIFORNIA STATE UNIVERSITY CHANNEL ISLANDS

COURSE MODIFICATION PROPOSAL

DATE: NOVEMBER 22, 2005
PROGRAM AREA BIOLOGY

1. Catalog Description of the Course. [Follow accepted catalog format.]
   (If Cross-listed please submit a form for each prefix being modified)

   OLD
   Prefix BIOL  Course# 432  Title PRINCIPLES OF EPIDEMIOLOGY AND ENVIRONMENTAL HEALTH
   Units (3) Three hours Lecture per week
   ☑️ Prerequisites CHEM 122; BIOL 201 with a grade of C or better.

   NEW
   Prefix BIOL  Course# 432  Title PRINCIPLES OF EPIDEMIOLOGY AND ENVIRONMENTAL HEALTH
   Units (3) Three hours Lecture per week
   ☑️ Prerequisites CHEM 122; BIOL 201 with a grade of C or better. For Nursing majors and Pre-Nursing students, CHEM 110 and BIOL 217 may substitute for CHEM 122 and BIOL 201.

☐ Corequisites
Description
Distribution and dynamics of human health problems and principles and procedures used to determine circumstances under which disease occurs or health prevails and to aid in managing and planning health and environmental systems. The broadened scope of epidemiology is examined through case studies and community and environmental health approach. GenEd: B2, D and Interdisciplinary

☑️ Gen Ed
Categories B2, D
☐ Lab Fee Required
☑️ A - F
Graded

☐ CR/NC
☐ Repeatable for up to units

☐ Optional-Student choose
When enrolling

2. Mode of instruction

   EXISTING
   Lecture 3 1 24
   Seminar
   Laboratory
   Activity

   PROPOSED
   Lecture 3 1 24
   Seminar
   Laboratory
   Activity

3. Course Content in Outline Form if Being Changed. [Be as brief as possible, but use as much space as necessary]

   OLD

   NEW

4. Justification and Learning Objectives for the Course. (Indicate whether required or elective, and whether it meets University Writing, and/or Language requirements) [Use as much space as necessary]

   OLD

   NEW

5. References. [Provide 3-5 references on which this course is based and/or support it.]

   OLD

   NEW
6. Indicate Changes and Justification for Each.  [Check all that apply and follow with justification.  Be as brief as possible but, use as much space as necessary.]

- Course title
- Prefix/suffix
- Course number
- Units
- Staffing formula and enrollment limits
- Prerequisites/corequisites
- Catalog description
- Course content
- References
- GE
- Other

**Justification** Due to its critical importance in public health, BIOL 432 will be a required course for the BS in Nursing Program. Since Nursing majors are not required to take BIOL 201 and CHEM 122, they cannot use these two courses as prerequisites. Instead, they are required to take BIOL 217 and CHEM 110. BIOL 217 covers the general principles of cell and molecular biology and CHEM 110 covers the general principles of chemistry. Both courses are suitable substitute courses for the content of BIOL 201 and CHEM 122. Therefore they are selected as substitute prerequisites for BIOL 432 only for the Nursing majors and Pre-Nursing students.

7. If this modification results in a GE-related change indicate GE category affected and Attach a GE Criteria Form:

<table>
<thead>
<tr>
<th>GE Category</th>
<th>Yes</th>
<th>No</th>
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<tbody>
<tr>
<td>A (English Language, Communication, Critical Thinking)</td>
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<tr>
<td>A-1 Oral Communication</td>
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<td>A-2 English Writing</td>
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<td>A-3 Critical Thinking</td>
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<td>B (Mathematics, Sciences &amp; Technology)</td>
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<td>B-1 Physical Sciences</td>
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<td>B-2 Life Sciences – Biology</td>
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<td>B-3 Mathematics – Mathematics and Applications</td>
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<td>B-4 Computers and Information Technology</td>
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<td>C (Fine Arts, Literature, Languages &amp; Cultures)</td>
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<td>C-1 Art</td>
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<td>C-2 Literature Courses</td>
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<td>C-3a Language</td>
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<td>C-3b Multicultural</td>
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<td>D (Social Perspectives)</td>
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<td>E (Human Psychological and Physiological Perspectives)</td>
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<td>UD Interdisciplinary</td>
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8. New Resources Required.  YES ☐ NO ☒

If YES, list the resources needed and obtain signatures from the appropriate programs/units on the consultation sheet below.

a. Computer (data processing), audio visual, broadcasting needs, other equipment

b. Library needs

c. Facility/space needs

9. Will this course modification alter any degree, credential, certificate, or minor in your program?  YES ☐ NO ☒

If, YES attach a program modification form for all programs affected.

Ching-Hua Wang 10/24/05
Proposer of Course Modification Date
### Approvals

<table>
<thead>
<tr>
<th>Position</th>
<th>Date</th>
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<tr>
<td>Program Chair</td>
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<td>General Education Committee Chair</td>
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<td>Curriculum Committee Chair</td>
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