

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.

☐ 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

Graded

☐ CR/NC

☐ Repeatable for up to

☒ A - F

units

☐ Optional-Student choose When enrolling

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

Graded

☐ CR/NC

☐ Repeatable for up to

☒ A - F

units

☐ Optional-Student chooses when enrolling

2. Mode of instruction

Existing

	Units	Hour Per Unit	Benchmark Enrollment	CS# Units (filled out by Dean)
Lecture	<u>3</u>	<u>1</u>	<u>24</u>	_____
Seminar	_____	_____	_____	_____
Laboratory	_____	_____	_____	_____
Activity	_____	_____	_____	_____

Proposed

	Units	Hour Per Unit	Benchmark Enrollment	CS# Units (filled out by Dean)
Lecture	<u>3</u>	<u>1</u>	<u>24</u>	_____
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:

A (English Language, Communication, Critical Thinking)

- A-1 Oral Communication ☐
- A-2 English Writing ☐
- A-3 Critical Thinking ☐

B (Mathematics, Sciences & Technology)

- B-1 Physical Sciences ☐
- B-2 Life Sciences – Biology ☒
- B-3 Mathematics – Mathematics and Applications ☐
- B-4 Computers and Information Technology ☐

C (Fine Arts, Literature, Languages & Cultures)

- C-1 Art ☐
- C-2 Literature Courses ☐
- C-3a Language ☐
- C-3b Multicultural ☐

D (Social Perspectives)

- E (Human Psychological and Physiological Perspectives)** ☒
- UD Interdisciplinary** ☐

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

Proposer of Course Modification

10/24/05

Date

Approvals

Program Chair	Date
---------------	------

General Education Committee Chair	Date
-----------------------------------	------

Curriculum Committee Chair	Date
----------------------------	------

Dean	Date
------	------