CALIFORNIA STATE UNIVERSITY CHANNEL ISLANDS

COURSE MODIFICATION PROPOSAL

DATE: 12.16.06 REV 9.28.07 (TO CORRECT HRS PER WEEK)

PROGRAM AREA ESRM

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

OLD
Prefix ESRM  Course#  463  Title Water Resource Mgmt Units (3)
3 hours        per week
☑ Prerequisites BIOL 433; ECON 362; ESRM 329
☐ Corequisites

Description Water management principles focusing on irrigation and drainage, soil and water conservation, and watershed development. Topics to be covered include the hydrologic cycle; runoff; erosion control; soil-water-plant relationships; surface and subsurface drainage; surface sprinkler and micro irrigation; vegetated waterways and open channel flow; impoundments; wetlands; water quality and supply; water rights

☐ Gen Ed Categories
☐ CR/NC
☐ Repeatable for up to units
☐ Lab Fee Required
☑ Optional (Student’s choice)

NEW
Prefix ESRM  Course#  463  Title Water Resource Mgmt Units (4)
3 hours lecture and 2 hours activity per week
☒ Prerequisites ESRM 200; BIOL 433; ESRM 329
☐ Corequisites

Description Water management principles focusing on surface and ground water hydrology; water conservation, watershed development; water quality measurement and monitoring; water and wildlife/fisheries; and water conflicts.

☐ Gen Ed Categories
☐ CR/NC
☒ Repeatable for up to units
☐ Lab Fee Required
☐ Optional (Student’s choice)

2. Mode of instruction

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

OLD
While much of the lecture content for the course will remain the same additional increased activity hours will allow additional field exercises and lab exercises involving local water issues and additional water quality measurement and monitoring activities involving local watersheds (i.e. Calleguas Creek, Santa Clara River watershed ad the Ventura River watershed will be included. Much of this work has been done in previous semesters by students in this course outside normal class hours.

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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

11.7.05 km2
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** Additional activity unit reflects the field aspect of the course. Students are required to complete field projects involving water quality measurement and monitoring on the Revolon Slough, Calleguas Creek, and the Ventura River. New prerequisite allows for familiarity with resource management techniques and tools such as global positioning system technology. Description change.

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

Ultimately, a wet lab would be desirable for this course.

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.

Don Rodriguez  12/16/06
Proposer of Course Modification  Date
Approvals
Program/Course: ESRM 463

Program Chair(s)                                                                 Date

General Education Chair(s)                                                   Date

Curriculum Committee Chair(s)                                                   Date

Dean of Faculty                                                                 Date