

**CALIFORNIA STATE UNIVERSITY CHANNEL ISLANDS
COURSE MODIFICATION PROPOSAL**

Courses must be submitted by October 15, 2010, and finalized by the end of the fall semester to make the next catalog (2011-12) production

DATE (CHANGE DATE EACH TIME REVISED): 10.12.10 REV 11.22.10

PROGRAM AREA(S): BUS/BIOL

Directions: All of sections of this form must be completed for course modifications. Use **YELLOWED areas to enter data. All documents are stand alone sources of course information.**

1. Course Information.

[Follow accepted catalog format.] (Add additional prefixes if cross-listed)

OLD

Prefix BUS/BIOL Course# 610 Title CAPSTONE
PROJECT FOR MS/MBA DUAL DEGREE Units (6)
6 hours seminar per week
[] hours blank per week

X Prerequisites: Biology or Business and Economics
Program Approval

[] Consent of Instructor Required for Enrollment

Corequisites: []

Catalog Description (Do not use any symbols):

Capstone Project for MS/MBA Dual Degree (6)
Culminating experience in the MS/MBA dual degree
program. Students participate in lectures, discussions, case
analysis and independent research. Includes a major project
involving research, analysis, synthesis and presentation of a
topic related to the global biotechnology industry.

NEW

Prefix BUS/BIOL Course# 610 Title CAPSTONE
PROJECT FOR MS/MBA DUAL DEGREE Units (6)
6 hours seminar per week
[] hours blank per week

X Prerequisites: Biology or Business and Economics
Program Approval

[] Consent of Instructor Required for Enrollment

Corequisites: []

Catalog Description (Do not use any symbols):

Capstone Project for MS/MBA Dual Degree (6)
Culminating experience in the MS/MBA dual degree
program. Students participate in lectures, discussions, case
analysis and independent research. Includes a major project
involving research, analysis, synthesis and presentation of a
topic related to the global biotechnology industry.

General Education
Categories []
[] Lab Fee Requested

Graded
[]
CR/NC
X A - F

[] Repeatable
for up to [] units
Total
Completions []

Course Level:
[] Undergraduate
[] Post-bac/Credential
X Graduate

[] Multiple
Enrollment in
same semester

General Education
Categories []
[] Lab Fee Requested

Graded
[]
CR/NC
X A - F

[] Repeatable for
up to [] units
Total
Completions []

Course Level:
[] Undergraduate
[] Post-bac/Credential
X Graduate

[] Multiple
Enrollment in same
semester

2. Mode of Instruction (Hours per Unit are defaulted)

Hegis Code(s) _____
(Provided by the Dean)

Existing

Proposed

	Units	Hours Per Unit	Benchm ark Enrollme nt	Grad ed		Units	Hour s Per Unit	Benchm ark Enrollme nt	Grade d	CS No. (filled out by Dean)
Lecture	[]	<u>1</u>	[]	[]	Lecture	[]	<u>1</u>	[]	[]	[]
Seminar	<u>6</u>	<u>1</u>	<u>15</u>	X	Seminar	<u>6</u>	<u>1</u>	<u>15</u>	X	[]
Lab	[]	<u>3</u>	[]	[]	Lab	[]	<u>3</u>	[]	[]	[]
Activity	[]	<u>2</u>	[]	[]	Activity	[]	<u>2</u>	[]	[]	[]
Field Studies	[]	[]	[]	[]	Field Studies	[]	[]	[]	[]	[]
Indep Study	[]	[]	[]	[]	Indep Study	[]	[]	[]	[]	[]
Other blank	[]	[]	[]	[]	Other blank	[]	[]	[]	[]	[]

3. Course Attributes:

General Education Categories: All courses with GE category notations (including deletions) must be submitted to the GE website: <http://summit.csuci.edu/geapproval>. Upon completion, the GE Committee will forward your documents to the Curriculum Committee for further processing.

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)

UDIGE/INTD Interdisciplinary

Meets University Writing Requirement

Meets University Language Requirement

American Institutions, Title V Section 40404: Government US Constitution US History
Refer to website, Exec Order 405, for more information: <http://senate.csuci.edu/comm/curriculum/resources.htm>

Service Learning Course (Approval from the Center for Community Engagement must be received before you can request this course attribute).

4. Justification and Requirements for the Course. *[Make a brief statement to justify the need for the course]*

OLD

BIOL/BUS 610 is a required course for students in the MS/MBA dual degree program.

X Requirement for the Major/Minor

Elective for the Major/Minor

Free Elective

NEW

BIOL/BUS 610 is a required course for students in the MS/MBA dual degree program.

X Requirement for the Major/Minor

Elective for the Major/Minor

Free Elective

Submit Program Modification if this course changes your program.

5. Student Learning Outcomes. (List in numerical order. You may wish to visit resource information at the following website: <http://senate.csuci.edu/comm/curriculum/resources.htm>)

Upon completion of the course, the student will be able to:

OLD

1. Work in cross-disciplinary teams to solve problems of interest to the global biotechnology industry
2. Identify topic-appropriate research materials
3. Read and describe orally and in writing the business and scientific issues of complex cases
4. Synthesize information from a variety of sources
5. Report on chosen topics in written and oral form

Upon completion of the course, the student will be able to:*

NEW

1. Work in cross-disciplinary teams to solve problems of interest to the global biotechnology industry (1,3,5,6)
2. Identify topic-appropriate research materials (1,5)
3. Read and describe, orally and in writing, the business and scientific issues of complex cases (1,5)
4. Synthesize information from a variety of sources (1,2,5)
5. Report on chosen topics in written and oral form (1)
*Program Learning Goals: 1) Demonstrate high proficiency in critical thinking, oral and written communication, personal ethical conduct and

collaboration skills. 2) Demonstrate orally and in writing analytical and integrative skills in making business decisions. 3) Demonstrate an understanding of the global operating environment of business. 4) Produce written innovative and integrative business plans, including plans that adapt to uncertain and unpredictable environments. 5) Demonstrate an understanding of relevant disciplines. 6) Demonstrate leadership skills in a variety of situations and settings

6. Course Content in Outline Form. (Be as brief as possible, but use as much space as necessary)

OLD

- Operating environment for the global biotechnology industry
- Relationship of science and business disciplines
- Development of a research project related to biotechnology operations within a global environment
- Analysis of cases
- Presentations of research results

NEW

- Operating environment for the global biotechnology industry
- Relationship of science and business disciplines
- Development of a research project related to biotechnology operations within a global environment
- Analysis of cases
- Presentations of research results

Does this course content overlap with a course offered in your academic program? Yes ☐ No X

If YES, what course(s) and provide a justification of the overlap.

Does this course content overlap a course offered in another academic area? Yes ☐ No X

If YES, what course(s) and provide a justification of the overlap.

Overlapping courses require Chairs' signatures.

7. Cross-listed Courses (Please note each prefix in item No. 1)

- A. List cross-listed courses (Signature of Academic Chair(s) of the other academic area(s) is required).
- B. List each cross-listed prefix for the course: BIOL BUS 610
- C. Program responsible for staffing: Biology and Business and Economics

8. References. [Provide 3-5 references]

OLD

References will be selected by students in consultation with faculty members and will vary from semester to semester.

NEW

References will be selected by students in consultation with faculty members and will vary from semester to semester.

9. Tenure Track Faculty qualified to teach this course.

Biology Faculty
Smith School faculty

10. Requested Effective Date or First Semester offered:

11. New Resource Requested: Yes ☐ No ☐

If YES, list the resources needed.

A. Computer Needs (data processing, audio visual, broadcasting, other equipment, etc.)

B. Library Needs (streaming media, video hosting, databases, exhibit space, etc.)

C. Facility/Space/Transportation Needs:

D. Lab Fee Requested: Yes ☐ No ☐ (Refer to the Dean's Office for additional processing)

E. Other. ☐

12. 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.]*

<input type="checkbox"/> Course title	<input type="checkbox"/> Course Content
<input type="checkbox"/> Prefix/suffix	X Course Learning Outcomes
<input type="checkbox"/> Course number	<input type="checkbox"/> References
<input type="checkbox"/> Units	<input type="checkbox"/> GE
<input type="checkbox"/> Staffing formula and enrollment limits	X Other COURSE CONTENT
<input type="checkbox"/> Prerequisites/Corequisites	<input type="checkbox"/> Reactivate Course
<input type="checkbox"/> Catalog description	
<input type="checkbox"/> Mode of Instruction	

Justification: Updated Student Learning Objectives (SLO) and aligns SLO with Program Learning Goals (PLG)

13. Will this course modification alter any degree, credential, certificate, or minor in your program? Yes ☐ No X

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

Priority deadline for New Minors and Programs: **October 4, 2010** of preceding year.

Priority deadline for Course Proposals and Modifications: **October 15, 2010.**

Last day to submit forms to be considered during the current academic year: **April 15th.**

William Cordeiro

☐

Proposer(s) of Course Modification

Date

Type in name. Signatures will be collected after Curriculum approval.

Approval Sheet

Course: [REDACTED]

If your course has a General Education Component or involves Center affiliation, the Center will also sign off during the approval process.

Multiple Chair fields are available for cross-listed courses.

Program Chair		
	Signature	Date
Program Chair		
	Signature	Date
Program Chair		
	Signature	Date
General Education Chair		
	Signature	Date
Center for Intl Affairs Director		
	Signature	Date
Center for Integrative Studies Director		
	Signature	Date
Center for Multicultural Engagement Director		
	Signature	Date
Center for Civic Engagement and Service Learning Director		
	Signature	Date
Curriculum Chair		
	Signature	Date
Dean of Faculty		
	Signature	Date