

CALIFORNIA STATE UNIVERSITY CHANNEL ISLANDS

COURSE MODIFICATION PROPOSAL

Courses must be submitted by October 15, 2011, and finalized by the end of the fall semester to make the next catalog (2012-13) production

DATE (CHANGE DATE EACH TIME REVISED): 11 OCTOBER 2011; REV 10.21.11

PROGRAM AREA(S): BIOLOGY

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

☐ Course title	☒ X Course Content
☐ Prefix/suffix	☐ Course Learning Outcomes
☐ Course number	☐ References
☐ Units	☐ GE
☒ X Staffing formula and enrollment limits	☐ Other ☐
☐ Prerequisites/Corequisites	☐ Reactivate Course
☒ X Catalog description	
☐ Mode of Instruction	

Justification: The proposed adjustments to the course description, content, is intended to update and clarify these aspects of the course to reflect enhanced disciplinary expertise and align the catalog description more closely with what is currently being taught.

2. Course Information.

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

OLD

Prefix BIOL Course# 200
 Title Principles of Organismal and Population Biology Units
 (4)
 3 hours lecture per week
 3 hours laboratory per week

☐ Prerequisites: ☐
☐ Consent of Instructor Required for Enrollment
☐ Corequisites: ☐

Catalog Description (Do not use any symbols):

An introduction to organismal biology including the diversity, comparative structure, organ system function, development, phylogeny, taxonomy and systematics of prokaryotes, protists, fungi, plants and animals. Discussion of the principles of evolution including speciation and natural selection, the environmental impact and ecosystem interaction of plants and animals, the behavior of animals, population genetics and population biology. A lab fee is required.

General Education Categories: B2
 Grading Scheme (Select one below):

☒ X A – F

☐ Credit/No Credit
☐ Optional (Student's Choice)

Repeatable for up to ☐ units

Total Completions ☐

Multiple Enrollment in Same Semester Y/N ☐

Course Level:

☒ X Undergraduate

☐ Post-Baccalaureate

NEW

Prefix BIOL Course# 200
 Title Principles of Organismal and Population Biology Units
 (4)
 3 hours lecture per week
 3 hours laboratory per week

☐ Prerequisites: ☐
☐ Consent of Instructor Required for Enrollment
☐ Corequisites: ☐

Catalog Description (Do not use any symbols):

An introduction to the biology of organisms including ecology, evolution, diversity and human impacts. The ecology unit includes discussion of population, community, and ecosystem ecology. Evolution covers natural selection and the Darwinian revolution, origin of species, and other evolutionary processes. Diversity covers systematics and taxonomy, and a tour of life on Earth including viruses, prokaryotes, protists, fungi, plants and animals. Human impacts on biological systems will be discussed. A lab fee is required.

General Education Categories: B2
 Grading Scheme (Select one below):

☒ X A – F

☐ Credit/No Credit
☐ Optional (Student's Choice)

Repeatable for up to ☐ units

Total Completions ☐

Multiple Enrollment in Same Semester Y/N ☐

Course Level:

☒ X Undergraduate

☐ Post-Baccalaureate

3. Mode of Instruction (Hours per Unit are defaulted)Hegis Code(s) _____
(Provided by the Dean)**Existing****Proposed**

	Units	Hours Per Unit	Benchmark Enrollment	Graded		Units	Hours Per Unit	Benchmark Enrollment	Graded	CS No. (filled out by Dean)
Lecture	<u>3</u>	<u>1</u>	<u>48</u>	X	Lecture	<u>3</u>	<u>1</u>	<u>96</u>	X	
Seminar	<u>1</u>	<u>1</u>			Seminar	<u>1</u>	<u>1</u>			
Lab	<u>1</u>	<u>3</u>	<u>24</u>	X	Lab	<u>1</u>	<u>3</u>	<u>24</u>	X	
Activity	<u>2</u>	<u>2</u>			Activity	<u>2</u>	<u>2</u>			
Field Studies					Field Studies					
Indep Study					Indep Study					
Other blank					Other blank					
Online					Online					

4. 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
- X 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).

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

OLD

BIOL 200 is one part of a two semester sequence in General Biology which is required for all Biology majors. Students will gain a basic understanding of foundational biological concepts and processes. They will be exposed to the broad spectrum of life on the planet and gain a better understanding and appreciation of how abiotic and biotic factors impact on the behavior of organisms. And how living systems are impacted by human activities.

X Requirement for the Major/Minor
☐ Elective for the Major/Minor
☐ Free Elective

NEW

BIOL 200 is one part of a two-semester sequence in general biology which is required for all Biology and ESRM majors. Students will gain a basic understanding of fundamental biological concepts and processes as well as a survey of organismal diversity.

X Requirement for the Major/Minor
☐ Elective for the Major/Minor
☐ Free Elective

Submit Program Modification if this course changes your program.

6. **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

- define basic biological concepts and processes
 - describe levels of organization and related functions in plants and animals
 - identify the characteristics and basic needs of living organisms
 - explain the processes of growth and development in individuals and populations
 - describe the relationships between organisms and their environment
 - identify impacts on ecosystems

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

NEW

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 - describe levels of organization and related functions in plants and animals
 - identify the characteristics and basic needs of living organisms
 - explain the processes of growth and development in individuals and populations
 - describe the relationships between organisms and their environment
 - identify impacts on ecosystems

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

OLD

1. Introduction to scientific method
2. Basic ecological principles
3. Ecosystems
4. Evolutionary principles
5. Population growth
6. Prokaryotes and viruses
7. Eukaryotes: fungi, protists, plants, invertebrates and vertebrates
8. Animal behavior
9. Environmental impact on ecosystems

NEW

1. Introduction to the scientific method
2. Levels of biological organization
3. Evolution, speciation, and extinction
4. Systematics and classification
5. Prokaryotic Diversity
6. Eukaryotic Diversity: fungi, protists, plants, invertebrates and vertebrates
7. Ecological principles
8. Population dynamics
9. Ecosystems

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.

8. **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:
- C. Program responsible for staffing:

9. References. [Provide 3-5 references]

OLD

Campbell, Neil & Reece, Jane. 2002. *Biology*. Benjamin Cummings
 Johnson, George B. 2003. *The Living World*. McGraw Hill.
 Moore, Randy & Vodopich, Darrell 1995. *General Biology Laboratory Manual*. McGraw Hill.
 Shimeld, Lisa 2003. *Student Study Guide to accompany The Living World*. McGraw Hill

NEW

Campbell, Neil & Reece, Jane. 2002. *Biology*. Benjamin Cummings
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 Shimeld, Lisa 2003. *Student Study Guide to accompany The Living World*. McGraw Hill

10. Tenure Track Faculty qualified to teach this course.
 Biology Faculty

11. Requested Effective Date or First Semester offered: Fall 2012

12. New Resource Requested: Yes No ☒ X
 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.

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 1, 2011** of preceding year.
 Priority deadline for Course Proposals and Modifications: **October 15, 2011**.
 Last day to submit forms to be considered during the current academic year: **April 15th**.

Amy Denton and Steven Norris

11 October
 2011

Proposer(s) of Course Modification

Date

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

Approval Sheet

Course: BIOL 200

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.

The CI program review process includes a report from the respective department/program on its progress toward accessibility requirement compliance. By signing below, I acknowledge the importance of incorporating accessibility in course design.

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
AVP		

Signature

Date