Course Outline

COURSE: BIO 2  DIVISION: 10  ALSO LISTED AS:

TERM EFFECTIVE: Fall 2019  CURRICULUM APPROVAL DATE: 10/8/2019

SHORT TITLE: ORGANISMAL BIOLOGY

LONG TITLE: Organismal Biology

<table>
<thead>
<tr>
<th>Units</th>
<th>Number of Weeks</th>
<th>Type</th>
<th>Contact Hours/Week</th>
<th>Total Contact Hours</th>
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<tr>
<td>5</td>
<td>18</td>
<td>Lecture:</td>
<td>3</td>
<td>54</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lab:</td>
<td>6</td>
<td>108</td>
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<tr>
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<td></td>
<td>Other:</td>
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<td></td>
<td></td>
<td>Total:</td>
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<td>162</td>
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COURSE DESCRIPTION:

This course is the second in a two-semester sequence exploring the basic biology and diversity of unicellular and multicellular organisms. Topics include general biological principles, classification, structure, function and evolutionary adaptations of organisms (including plants, fungi, animals, and unicellular organisms) to their environments. (C-ID: BIOL 140) PREREQUISITE: Bio 1 with a grade of 'C' or better. ADVISORY: Eligible for English 1A.

PREREQUISITES:

Completion of BIO 1, as UG, with a grade of C or better.

COREQUISITES:

CREDIT STATUS: C - Credit - Degree Non Applicable

GRADING MODES

L - Standard Letter Grade

REPEATABILITY: N - Course may not be repeated

SCHEDULE TYPES:

02 - Lecture and/or discussion
03 - Lecture/Laboratory
04 - Laboratory/Studio/Activity
04B - Laboratory - LEH 0.75
STUDENT LEARNING OUTCOMES:
1. Identify and describe key structures, functions, and characteristics of major animal and botanical taxa (protists, fungi, and green plants) and their phylogenetic relationships.
   Measure of assessment: Assignments, quizzes, exams, discussion

2. Compare and contrast the differences in development and life cycles across the animal and botanical (protists, fungi, and green plants) phyla.
   Measure of assessment: Assignments, quizzes, exams, discussion, report

3. Evaluate the evolutionary relationships of animal and botanical organisms to each other and their environments.

4. Apply scientific methodology and reasoning through active experimentation and experiences.
   Measure of assessment: Assignments, quizzes, exams, discussion, report

CONTENT, STUDENT PERFORMANCE OBJECTIVES, OUT-OF-CLASS ASSIGNMENTS
Curriculum Approval Date: 10/8/2019
Lecture Hours: 54.00 Lab Hours 108.00

METHODS OF INSTRUCTION:
Lecture and laboratory, with use of computer animations, video, PowerPoint presentations, and the Internet.

OUT OF CLASS ASSIGNMENTS:
Required Outside Hours: 40
Assignment Description: Homework, genetics problems, lab reports

METHODS OF EVALUATION:
Objective examinations
Percent of total grade: 60.00 %
Percentage range 60-80%; Multiple Choice, True/False, Fill-In, Free Response
Problem-solving assignments
Percent of total grade: 15.00 %
Percentage range 15-20%; Lab Reports, Quizzes
Writing assignments
Percent of total grade: 15.00 %
Percent range 15-20%; Lab Reports, Papers
Skill demonstrations
Percent of total grade: 2.00 %

REPRESENTATIVE TEXTBOOKS:
Campbell Biology is the standard bearer for introductory college-level biology for majors. This is also the required text for the first course in this sequence.
ISBN: 9780134093443
Reading Level of Text, Grade: 17 Verified by: D. Young

RECOMMENDED TEXTBOOKS
ARTICULATION and CERTIFICATE INFORMATION

Associate Degree:
CSU GE:
    CSU B2, effective 201970
    CSU B3, effective 201970
IGETC:
    IGETC 5B, effective 201970
    IGETC 5C, effective 201970
CSU TRANSFER:
    Not Transferable
UC TRANSFER:
    Not Transferable

SUPPLEMENTAL DATA:

Basic Skills: N
Classification: Y
Noncredit Category: Y
Cooperative Education: N
Program Status: 1 Program Applicable
Special Class Status: N
CAN:
    CAN Sequence:
    CSU Crosswalk Course Department: BIO
    CSU Crosswalk Course Number: 31
    Prior to College Level: Y
    Non Credit Enhanced Funding: N
    Funding Agency Code: Y
    In-Service: N
    Occupational Course: E
    Maximum Hours:
    Minimum Hours:
Course Control Number: CCC000603154
Sports/Physical Education Course: N
Taxonomy of Program: 040100