CBM003 ADD/CHANGE FORM

Undergraduate Council □ New Course □ Course Change
Core Category: □ Lecture □ Laboratory □ Two Ways □ Other
Effective Fall 2010

Graduate/Professional Studies Council □ New Course □ Course Change
Effective Fall __

1. Department: Biology and Biochemistry College: NSM
2. Faculty Contact Person: L. Rapp Telephone: 3-8398 Email: Lrapp@uh.edu
3. Course Information on New/Revised course:
   - Instructional Area / Course Number / Long Course Title: BIOL / 1320 / General Biology
   - Instructional Area / Course Number / Short Course Title (30 characters max.) BIOL / 1320 / GENERAL BIOLOGY
   - SCH: 3.00 Level: FR CIP Code: 26.0101.00 02 Lect Hrs: 3 Lab Hrs: 0
4. Justification for adding/changing course: To reflect change in prerequisite course.
5. Was the proposed/revised course previously offered as a special topics course? □ Yes □ No
   If Yes, please complete:
   - Instructional Area / Course Number / Long Course Title:
     ___ / ___ / ___
   - Course ID: ___ Effective Date (currently active row): ___
6. Authorized Degree Program(s): B.S. Biology
   - Does this course affect major/minor requirements in the College/Department? □ Yes □ No
   - Does this course affect major/minor requirements in other Colleges/Departments? □ Yes □ No
   - Can the course be repeated for credit? □ Yes □ No (if yes, include in course description)
7. Grade Option: Letter (A, B, C,...) Instruction Type: lecture ONLY (Note: Lect/Lab info. must match item 3, above.)
8. If this form involves a change to an existing course, please obtain the following information from
   the course inventory: Instructional Area / Course Number / Long Course Title BIOL / 1320 / General Biology
   - Course ID: 13332 Effective Date (currently active row): 1999
9. Proposed Catalog Description: (If there are no prerequisites, type in "none").
   Cr: 3. (3-0) Prerequisites: MATH 1310 or MATH 1311. Credit may not be received for both BIOL
   1361:1362 and 1310:1320 Description (30 words max.): Designed for non-science majors; does not
   satisfy requirements for biology majors and preprofessional students. Introduction to general principles of
   biology with special orientation toward man and the natural world.
10. Dean's Signature: ___________________________ Date: 13 Oct '89
    Print/Type Name: ____________________________

- Created on 9/17/09 2:44 PM -
UNIVERSITY of HOUSTON

CORE CURRICULUM COURSE REQUEST

Originating Department/College: Dept. of Biology and Biochemistry/NSM

Person making request: L. Rapp
Telephone: 3-8398

E-mail: Lrapp@uh.edu

Dean's signature: Date: 2/11/10

I. General Information:

Course number and title: BIOL 1320- General Biology

Catalog description must be included on completed CBM 003 form and attached to this document.

Category of Core for which course is being proposed (mark only one):

[ ] Communication
[ ] Mathematics
[ ] Mathematics/Reasoning (IDO)
[ ] American History
[ ] Government
[ ] Humanities
[ ] Visual/Performing Arts Critical
[ ] Visual/Performing Arts Experiential
[ ] X Natural Sciences
[ ] Social/Behavioral Sciences
[ ] Writing in the Disciplines (IDO)

II. Objectives and Evaluation (respond on one or more separate sheets):

Call ext. 3-0919 for a copy of "Guidelines for Requesting and Evaluating Core Courses" or visit the website at www.uh.edu/academics/corecurriculum

A. How does the proposed course meet the appropriate Exemplary Educational Objectives (see Guidelines). Attach a syllabus and supporting materials for the objectives the syllabus does not make clear.

Syllabus and CBM003 form are attached. The only change is the following:

The catalog description for BIOL 1310 and 1320 currently includes the statement "Credit may not be received for both BIOL 1161,1361:1162,1362 and 1310:1320." In this statement BIOL 1161 and 1162 are superfluous because they are one credit-hour lab courses that have no relationship (or possible replacement value) with BIOL 1310 and 1320. They are eliminated in the wording of new catalog description that reads: "Credit may not be received for both BIOL 1361:1362 and 1310:1320."
### BIOLOGY 1320 COURSE OUTLINE

Dr. L. R. Williams, 124D Science Building (#502)  
(713) 743-2637, lrwilliams@uh.edu  
**OFFICE HOURS:** Tues 2:30-3:30 pm and Mon 1:30-2:30 pm or BY APPOINTMENT

<table>
<thead>
<tr>
<th>Week of</th>
<th>SUBJECTS</th>
<th>CHAPTERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>19 Jan</td>
<td>Introduction; Animal organization and tissues</td>
<td>chs 1, 20, handout</td>
</tr>
<tr>
<td>26 Jan</td>
<td>Integumentary, Skeletal, and Muscular systems</td>
<td>30</td>
</tr>
<tr>
<td>2 Feb</td>
<td>Muscular and Nervous system</td>
<td>30, 28</td>
</tr>
<tr>
<td>9 Feb</td>
<td>Nervous and Endocrine systems, EXAM ONE</td>
<td>28, 26</td>
</tr>
<tr>
<td>16 Feb</td>
<td>Circulation, Excretion, and Immunity</td>
<td>23, 25, 24</td>
</tr>
<tr>
<td>23 Feb</td>
<td>Immunity, AIDS, Gas Exchange</td>
<td>24, 22</td>
</tr>
<tr>
<td>2 Mar</td>
<td>Gas Exchange and Digestion</td>
<td>22, 21</td>
</tr>
<tr>
<td>9 Mar</td>
<td>Reproduction and Development. EXAM TWO (Tuesday)</td>
<td>27</td>
</tr>
<tr>
<td>16 Mar</td>
<td>SPRING BREAK, NO CLASSES</td>
<td>none required, but....</td>
</tr>
<tr>
<td>23 Mar</td>
<td>Plant Biology</td>
<td>pp. 340-354</td>
</tr>
<tr>
<td>30 Mar</td>
<td>Earth, Introduction to Ecology, Biomes</td>
<td>34</td>
</tr>
<tr>
<td>6 Apr</td>
<td>Biomes, Animal Behavior</td>
<td>34, 35</td>
</tr>
<tr>
<td>13 Apr</td>
<td>Animal Behavior, Population Ecology; EXAM THREE</td>
<td>35, 36</td>
</tr>
<tr>
<td>20 Apr</td>
<td>Community ecology, Ecosystems</td>
<td>37</td>
</tr>
<tr>
<td>27 Apr</td>
<td>Human ecology, Conservation Biology</td>
<td>38</td>
</tr>
</tbody>
</table>

**FINAL EXAM IS TUESDAY, 12 MAY 2008, 2 PM**

This outline is subject to change without notice.

**Exams** will be taken as scheduled on Thursdays except exam 2 and the final exam. **THERE WILL BE NO MAKE-UP EXAMS.** **All FOUR Exams** will be 50 questions (points) each. **Your grade** will be determined from a possible total of 200 EXAM points plus an undetermined point total from in-class quizzes using your PRS ("clicker"). **THERE IS ABSOLUTELY NO EXTRA CREDIT.**

**Monday, 2 Feb 09:** last day to drop without a grade or without counting toward your enrollment cap.

**Tuesday 7 Apr 09:** last day to drop the course with a “W.” My signature is required.
TEXT: Biology, concepts and connections, 6th edition, by Campbell et al. No other books are required. You also must purchase the Interwrite™ PRS, model R1 personal response system, aka “clickers,” (available in the UH bookstore). You do not need to register this clicker. The system used is self-contained in the classroom. For information on its use go to:
Clicker Overview (for Students or Faculty)
http://www.interwritelearning.com/support/tutorials/rfoverview.html

Clicker Overview for Students - from Boston College (Hilarious four minute animated video)
http://www.bc.edu/offices/instruction/clicker/

Additional use of the Clickers will include 1) survey questions to assess options and 2) questions imbedded in lectures to assess comprehension.

ANY VIOLATIONS OF ACADEMIC HONESTY WILL BE HANDLED IN A SERIOUS MANNER.

GOALS (what you should take away from this class):

1. Better understand organism structure and function.

2. Develop an appreciation of ecology and the role of humans in the world.

3. Listen to and look at information more critically and ask questions rather than simply reject or accept what you hear and see.

4. Acquire an appreciation for living things, their beauty and function.

SUGGESTIONS TO HELP YOU WITH THIS COURSE:

1. Come to class. You selected this class at this time and it is costing money for you to be here. Get your money's worth. Always remember that apathy is your worst enemy.

2. Take good notes and use them. I will try to keep the material organized using topic headings and some form of outline.

3. Read your textbook. Minimally, read what is covered in lecture. Better yet, read each chapter completely while focusing on lecture topics.

4. Pay close attention to graphs, figures, and pictures that illustrate concepts and ideas.

5. Keep up (or ahead?) Study. I do not expect that you will properly or fully understand what is covered in a lecture at the end of the lecture. You will need to review your notes, read the text, and think about things. Better yet, discuss what you are studying with someone (see # 7 below). Most importantly, do not expect to "learn " everything the weekend (or night!) before the exam.
6. If you need help, contact me. I have office hours. I will return your calls and emails (emails are preferred). If necessary, I will make an appointment with you. It is important to see me early in the semester when I can suggest ways to improve your methods. Do not wait until it is too late.

7. Study groups are a great way to learn. Try to organize one. In such groups you will find yourself teaching each other and when you teach, you also learn.

About your professor:

Dr. Williams received his Ph. D. from the University of Houston working on Attwater’s pocket gopher on the coastal prairie in south Texas. Prior to that he completed a B. S. in Biology at Central State University (currently University of Central Oklahoma) in Edmond, OK. After that and before coming to UH, he completed a M. S. in Biology at Fort Hays Kansas State University in Hays, KS. His primary area of interest is Ecology and Evolution (along with fishing the coastal waters of Texas). He has worked with several species of grassland mammals and the plants of their native habitat. More recently his work has been on imported red fire ants and some aquatic biology of ephemeral ponds. Besides classroom education, Dr. Williams was the Director of Undergraduate Affairs and Advising (18 years) for the Department of Biology and Biochemistry and is currently the Department’s Director of Undergraduate Research. Dr. Williams has served the UH community on committees, task forces, and councils at a variety of levels. He is currently Chair of Undergraduate Council, the faculty body that advises the Provost regarding all Undergraduate student academics and related matters. He has been at UH since 1977 and has been teaching BIOL 1310 and 1320 since spring 1986.