

UC 10643 09F

CBM003 ADD/CHANGE FORM

APPROVED FEB 24 2010

Undergraduate Council
 New Course Course Change
 Core Category: Nat Sci Effective Fall 2010

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or
 Graduate/Professional Studies Council
 New Course Course Change
 Effective Fall ____

RECEIVED OCT 16 2009 MB

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 nonscience 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 '09
 Print/Type Name: _____

ORIGINAL

U N I V E R S I T Y *of* H O U S T O N
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
- 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

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

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.