MATH 130 DEPARTMENT OF MATHEMATICS
UNIVERSITY OF MARYLAND, COLLEGE PARK
General Information for Tim Pilachowski's sections

TEXT: *Calculus for the Life Sciences* (1st edition) by Greenwell, Ritchey, Lial (Addison-Wesley, 2003, **ISBN:** 0201745825)
Additional material will be handed out as needed in class.
You will also need a non-graphing calculator for quizzes and exams. IPODs etc. are not permissible.
INSTRUCTOR: Tim Pilachowski TJP@math.umd.edu **BE SURE TO INCLUDE "Math 130" IN THE SUBJECT LINE.**
COURSE INFO & SCHEDULE: follow links from http://www.math.umd.edu/~tjp
OFFICE: Math building room 3316, 301-405-5150
OFFICE HOURS: see http://www.math.umd.edu/~tjp
TUTORING ROOM Math Building room 0301 see http://www.math.umd.edu/~tjp

Be sure to take advantage of FREE available tutoring in the Math building (room 0301) and in the Math Success program (Sun. thru Thurs., 6 to 9 pm). For schedules, click on the "Resources" link at http://www.math.umd.edu/undergraduate. Tests from prior semesters are also available through this link.

This is a first-semester course in calculus with applications in biology and life-sciences. Calculus includes some of the most important tools of mathematics and scientific reasoning. Our aim is to help you to understand the central ideas and power of the subject and to develop skill in the techniques required by applications. While the historical roots of calculus lie in the physical sciences and pure mathematics, ideas and techniques of the subject are now used effectively in the biological, social, and management sciences as well. Concrete calculations are emphasized and provide an opportunity to practice algebra and precalculus skills introduced in earlier courses. A schedule of topics is provided on the Course Schedule page. Lecture outlines will be posted on http://www.math.umd.edu/~tjp. Students should be aware that credit cannot be earned for both Math 140 and 130, though it may be appropriate for some students to take these combinations of courses. Some homework may require the use of a graphing calculator. Graphing calculators will ***NOT*** be allowed for use on tests and quizzes.

Expect to spend on an average at least 2 hours on homework per hour of class time (this includes reviewing, doing problems, checking and correcting them and reading the new material for the next class). The practice problems listed on the course schedule page represent the type of question you should be able to answer for each topic. Practice homework will be assigned but not collected.

Quizzes: There will be a quiz during each Math discussion lasting between five and ten minutes. Quizzes will be very similar to the Math homework.

Groupwork: The Life Science discussion each week will be small-group work on life-science related topics. These groupworks will be on handouts and will be related to the Life Sciences homework.

Three 75-minute exams will be given (see dates on the course schedule page). **Old exams are available on the web: follow the "Resources" link at http://www.math.umd.edu/undergraduate.** The Mathematics Tutorial Databank , a set of online tutorials, can also be accessed by following the same link.

The University has a nationally recognized Honor Code, administered by the Student Honor Council. The pledge, approved by the University Senate, reads: "I pledge on my honor that I have not given or received any unauthorized assistance on this assignment/examination." Unless specifically advised to the contrary, the Pledge should be handwritten and signed on all tests in this course. In conjunction with the University's Code of Academic Integrity, allegations of academic dishonesty will be reported to the Honor Council.

Excused absences will be given only with documentation and only for valid medical reasons, university business, or appearances in court. Absence for medical reasons on days when exams are scheduled requires documentation of the illness, signed by a health care professional. Excused discussion worksheets will not be used in computing the final grade. Make-up discussion worksheets will not be given. Any unexcused worksheets or tests will be counted as a "0", including the final exam. **Any student with a valid reason to be excused from any test must contact the instructor prior to the test and present documentation in the next class session attended**. Messages may be left via email, or by calling the Mathematics mailroom @ 301-405-5047.

To ensure success in this course students are expected to attend both lecture and discussion regularly, do homework as assigned, and seek help when necessary. Many resources are available: textbook, instructor, discussion TAs, friends, tutors, old tests available on the web, Learning Assistance Services in the Shoemaker Building, etc. Be thorough and complete when doing homework (checking, correcting, and making note of questions to ask).

The student's grade will be determined as follows:

Discussion Quizzes	100 points
Discussion Groupwork	100 points
Tests	300 points
Final Exam	200 points
Total	700 points

The grading scale is:

A: 90 - 100%
B: 80 - 89%
C: 70 - 79%
D: 60 - 69%

For dates of Exams, link to Course schedule, Tim Pilachowski's sections.