MATH 120 DEPARTMENT OF MATHEMATICS
UNIVERSITY OF MARYLAND, COLLEGE PARK
General Information for Tim Pilachowski's sections

TEXT: *Calculus and its Applications*, Books a la Carte with Custom MyMathLab, by Goldstein, D. Lay and D. Schneider. (14th Edition Bundle Set) (Prentice-Hall, 2017, **ISBN:** 9780134768687)

If you purchase a stand-alone MyMathLab access code either from the campus bookstore or directly from Pearson, you also get access to an e-book version of the text. If this is sufficient for you, you don't need to purchase a hard copy.

IMPORTANT: The 14th and 15th editions differ slightly. See the notes on the course schedule.

RECOMMENDED: *Study Guide with Selected Solutions* (14th edition) by Lay and Schneider (Prentice-Hall, 2017)

INSTRUCTOR: Tim Pilachowski TJP@math.umd.edu **BE SURE TO INCLUDE "Math 120" IN THE SUBJECT LINE.**
COURSE INFO & SCHEDULE: See ELMS, or follow links from http://www2.math.umd.edu/~tjp
OFFICE: Math building room 3316, 301-405-5150
OFFICE HOURS: see http://www2.math.umd.edu/~tjp
TUTORING ROOM Math Building room 0203 see http://www2.math.umd.edu/~tjp

Be sure to take advantage of FREE available tutoring in the Math building (room 0203) and in the Math Success program (Sun. thru Thurs., 6 to 9 pm). For schedules, click on the links at http://www-math.umd.edu/undergraduate/resources.html. Old tests are also available through this link.

The primary goal of this course is to help you develop confident understanding of the concepts and techniques comprising elementary calculus and the uses of those ideas and skills in quantitative problem solving. 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. Those newer applications will be central in this course. A schedule of topics is provided on ELMS and via a link on the Math 120 web page (link from http://www2.math.umd.edu/~tjp). Lecture outlines can be downloaded from ELMS or via a link from the Math 120 web page (link from http://www2.math.umd.edu/~tjp). Students should be aware that credit cannot be earned for both Math 140 and 120, though it may be appropriate for some students to take these combinations of courses. Some homework may require the use of a graphing calculator. **No calculators of any type will 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. Graded homework assignments will be done and submitted via the MyMathLab on-line homework system. Specific instructions are provided on ELMS and via a link on the Math 120 web page (link from http://www2.math.umd.edu/~tjp). You'll need to purchase an access code which will be valid for as long as you use the course textbook, including Math 121 and/or a repeat of Math 120. You will be able to save your work as you go, and will have three opportunities to submit each completed assignment. Due dates and times will be listed for each assignment. *Do the practice problems from the textbook first, to get a feel for the material, before working on the MyMathLab questions.*

A group worksheet will be given during each discussion and usually will be based on the material of the three sections covered in Lecture since the previous discussion.

When classes are on-campus, quizzes may be given during the Lecture class, using PointSolutions software. Specific instructions are provided on ELMS and via a link on the Math 120 web page (link from http://www2.math.umd.edu/~tjp).

Three 50-minute exams will be given (see dates on the course schedule page). **Exams from previous semesters are available on the web: click on the testbank link at http://www-math.umd.edu/undergraduate/resources.html.**

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." 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.

For University course-related policies see http://www.umd.edu/catalog/index.cfm/show/content.section/c/27/ss/1584/s/1540. "Excused absences do not alter the academic requirements for the course. Students are responsible for information and material missed on the day of absence." In lieu of make-ups for Lecture quizzes, discussion worksheets and MyMathLab, lowest scores will be dropped at the end of the semester. For medical absences when exams are scheduled "students must provide documentation from a physician or the University Health Center". Any unexcused Exams will be counted as a "0", including the Final Exam. **Any student with a valid reason to be excused from any Exam must contact the instructor by the day after the test, and present documentation at the time of the make-up**. The preferred method of contact is email (TJP@math.umd.edu).

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, Teaching and Learning Transformation Center in the Edward St John 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:

MyMathLab Homework	14.2%
Discussion worksheets & Lecture quizzes (when given-see above)	14.2%
50-Minute Tests	43.0%
Final Exam	28.6%
Total	100%

The grading scale is:

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

For dates of Exams, follow the "Course Schedule" link in ELMS or on the Math 120 web page (link from http://www2.math.umd.edu/~tjp).