MATH 121 DEPARTMENT OF MATHEMATICS
UNIVERSITY OF MARYLAND, COLLEGE PARK
General Information for all sections

TEXT: *Calculus and Its Applications* (14th edition) by Goldstein, Lay, and Schneider (**ISBN:** 0134437772)
For Math 121, the 11th or 12th or 13th editions may be used. There are only slight differences.

Course Coordinator: Tim Pilachowski TJP@math.umd.edu
BE SURE TO INCLUDE "Math 121" IN THE SUBJECT LINE.
COURSE INFO & SCHEDULE: 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 0301 see http://www2.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 links at http://www-math.umd.edu/undergraduate/resources.html. Old tests are also available through this link.

This course is the second semester of an introduction to calculus for students in the biological, social and management sciences, and architecture. 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 calculus skills introduced in earlier courses. A schedule of topics is provided via a link on the Math 121 web page (link from http://www2.math.umd.edu/~tjp). Lecture outlines can be downloaded via a link from the Math 121 web page (link from http://www2.math.umd.edu/~tjp). Students should be aware that credit cannot be earned for both Math 141 and 121, 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. Graded homework assignments will be done and submitted via the MyMathLab on-line homework system. Instructions can be found by following links 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. 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.*

Three 50-minute exams will be given (see dates on the course schedule page). **Old exams are available on the web:** Testbank archives of past exams.

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 lecture 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:

		The grading scale is:
MyMathLab Homework	100 points	A: 90 - 100%
50-Minute Tests	300 points	B: 80 - 89%
Final Exam	200 points	C: 70 - 79%
Total	600 points	D: 60 - 69%

For dates of Exams, follow the "Course Schedule" link on the Math 121 web page (link from http://www2.math.umd.edu/~tjp).

Math 121 Fall 2019 Sections 0101 and 0201   University of Maryland, College Park

The following course schedule is tentative, subject to change as necessary. [EOO = every other odd]

Date(s)	Section	Practice exercises
		Homework always includes reading the appropriate sections!
M, 26 Aug	1.1–6.5	Math 220 Final Exam from Spring 2008 (download from testbank: Link from http://www-math.umd.edu/undergraduate/resources.html.
W, 28 Aug	8.1	1-17 (odd). Review Sections 1.6, 3.1, 3.2.
F, 30 Aug	8.2	1-33 (odd). Review Section 6.1, up to Example 5.
(M, 2 Sep)	no class	
W, 4 Sep	8.3	1-29 (odd), 33-39 (odd), 43 (see pages 350-351 for average value).
F, 6 Sep	8.4	1-31 (odd). Review Exercises 7-28 in Section 6.1.
M, 9 Sep	9.1a	1-33 (odd).
W, 11 Sep	9.1b-9.2a	9.1: 35, 37, 38, 39, 40, 41, 42, 43, 45; 9,2: 1-13 (odd).
F, 13 Sep	9.2b	14, 15, 16, 17-37 (odd).
M, 16 Sep	9.3	1-11 (odd), 25.
W, 18 Sep	9.4	1-7 (odd), 13, 15, 19, 23, 25, 27.
F, 20 Sep	9.5	3, 7, 9, 12.
M, 23 Sep	Review	Old exams: http://www-math.umd.edu/undergraduate/resources.html
W, 25 Sep	**Exam 1**	
F, 27 Sep	9.6a	1-19 (odd).
M, 30 Sep	9.6b	21-37 (odd), 43, 48.
W, 2 Oct	10.1	1-15 (odd), 20, 21, 22, 25, 27, 29.
F, 4 Oct	10.2	1-9 (odd), 17-31 (odd), 34, 38, 39.
M, 7 Oct	10.3	1-37 (odd).
W, 9 Oct	10.4a	1-9 (odd).
F, 11 Oct	10.4b	15, 19, 21, 23, 25.
M, 14 Oct	10.5	1-37 (odd).
W, 16 Oct	10.6a	1, 7-19 (odd).
F, 18 Oct	10.6b-10.7	10.6: 21-25 (odd), 26; 10.7: 1-9 (odd).
M, 21 Oct	Review	Old exams: http://www-math.umd.edu/undergraduate/resources.html
W, 23 Oct	**Exam 2**	
F, 25 Oct	11.1a	1-23 (odd), 24, 25.
M, 28 Oct	11.1b,11.2	11.2: 5, 6, 7, 11, 19.
W, 30 Oct	11.3a	1-19 (odd).
F, 1 Nov	11.3b	23, 25, 29, 30, 31-39 (odd).
M, 4 Nov	11.4	1-17 (odd).
W, 6 Nov	11.5a	1-15 (odd), 19, 21.
F, 8 Nov	11.5b	23-27 (odd), 31, 33, 34, 35, 37.
M, 11 Nov	12.1	1, 3, 5, 7, 8, 9.
W, 13 Nov	Review	Old exams: http://www-math.umd.edu/undergraduate/resources.html
F, 15 Nov	**Exam 3**	
M, 18 Nov	12.2a	1, 5-19 (odd), 21, 23, 25, 33, 35, 37.
W, 20 Nov	12.2b	
F, 22 Nov	12.3	1-17 (odd).
M, 25 Nov	12.4a	1-9 (odd).
W, 27 Nov	no class	
F, 29 Nov	no class	
M, 2 Dec	12.4b	11-17 (odd), 21.
W, 4 Dec	12.5	1, 3, 7, 9, 11, 13, 15, 19, 25.
F, 6 Dec	review 8–9	Old exams: http://www-math.umd.edu/undergraduate/resources.html
M, 9 Dec	review 10–12	Old exams: http://www-math.umd.edu/undergraduate/resources.html
Tu, 10 Dec	Study day	
W, 11Dec	**Final Exam**	**1:30 – 3:30 pm – room to be announced**

Note that this is the uniform day & time for all Math 100- and 200- level courses.