

**MATH 141 DEPARTMENT OF MATHEMATICS
UNIVERSITY OF MARYLAND, COLLEGE PARK
General Information for Tim Pilachowski's sections**

TEXT: *Calculus*, 6th edition by Ellis & Gulick (Cengage). Any 6th edition, 2003 or later, hardcover or softcover, is fine. A paper copy of the text is available from the reserve desk in McKeldin Library. An electronic copy of the text (labelled 7th edition) is available within WebAssign, if you choose the Cengage Unlimited option.

INSTRUCTOR: Tim Pilachowski TJP@math.umd.edu **BE SURE TO INCLUDE "Math 141" 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 0203, see <http://www2.math.umd.edu/~tjp>

FOR SPRING 2022, THE CURRENT PLAN (AS OF 2 JAN 2022) IS THAT ALL CLASSES WILL BE HELD ON CAMPUS. IF THERE ARE ANY CHANGES, THIS FILE WILL BE UPDATED.

Current guidelines from the Provost's Office state, "*President Pines [provided clear expectations](#) to the University about the wearing of masks for students, faculty, and staff. Face coverings over the nose and mouth are required while you are indoors at all times. There are no exceptions when it comes to classrooms and laboratories. Students not wearing a mask will be given a warning and asked to wear one, or will be asked to leave the room immediately. Students who have additional issues with the mask expectation after a first warning will be referred to the Office of Student Conduct for failure to comply with a directive of University officials.*"

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.

Math 141 is a 4-credit Continuation of MATH 140, including techniques of integration, improper integrals, applications of integration (such as volumes, work, arc length, moments), inverse functions, exponential and logarithmic functions, sequences and series. A schedule of topics is provided via a link on the Math 141 web page (link from <http://www2.math.umd.edu/~tjp>). Lecture outlines can be downloaded via a link from the Math 141 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. Graphing calculators are an integral part of the course, but are not allowed on hour tests or final examination. The Texas Instruments TI-83, TI-84, TI-85, TI-86, and TI-89 are the preferred types.

Math 141 meets 5 times a week: MWF in large lecture, and TTh in 25-student sections for 80 minutes. You should plan to attend each day of both Lecture and discussion. Normally the first 10-15-minute portion of each TTh session is for questions about homework problems; the remainder of the session is devoted to a worksheet prepared especially for that session. You will work in a group of about 3-4 students; the group's task is not only to produce solutions to the worksheet problems but also to make certain that each group member participates and in the end understands how to solve the problems. Don't be discouraged when you find problems whose solutions do not pop out instantly. Remember that learning takes effort; calculus cannot effectively be learned by osmosis or just by listening to others.

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 [WebAssign](#) on-line homework system with deadlines at 7:30am Tuesdays and Thursdays. 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 one semester. *Do the practice problems from the textbook first, to get a feel for the material, before working on the WebAssign questions.*

Four hourly exams will be given (see dates on the course schedule). **Old exams are available on the web: follow the "Resources" link at <http://www.math.umd.edu/undergraduate>.** For resources on complex numbers and series (notes with exercises and a two-page summary in pdf format or dvi format), as well as instructions for P-series Summation, Simpson's and Trapezoidal Rule Programs to be entered onto a TI graphing calculator, click on the "Resources" tab in [WebAssign](#).

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 WebAssign, 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, Guided Study Sessions, Math Success, 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:

WebAssign & TuTh group work	70 points	A: 90 - 100%
MWF Quizzes	60 points	B: 80 - 89%
Top three 50-Minute Exam scores	300 points	C: 70 - 79%
Lowest 50-Minute Exam score	50 points	D: 60 - 69%
<u>Final Exam</u>	<u>200 points</u>	
Total	680 points	

For dates of Exams, follow the "Course Schedule" link on the Math 141 web page (link from <http://www2.math.umd.edu/~tjp>).