Math 121-01: Intermediate Calculus, Section 1   Spring 2018

Instructor:	Nathan Pflueger (pronounced "fleeger")	**office hours**:	Tuesday	2:00-3:30
email:	npflueger@amherst.edu	(tentative)	Wednesday	2:30-4:00
office:	SMUD 510		Friday	1:30-2:30
			(or by appointment)	

Course webpage: `http://npflueger.people.amherst.edu/121/`

Times and location:
	MWF	9:00-9:50	SMUD 207
	Tuesday	1:00-1:50	SMUD 207

We meet every day except Thursday. Note that we meet at a different time on Tuesdays.

Come to office hours! I am happy to answer your questions and also talk about the course in general. Even if you don't have specific questions, you can come to review material, listen to other students' questions, or just to chat.

email policy: The best way to reach me with course questions (besides office hours) is by email. I generally reply to email within 24 hours. However, **I often do not reply to email on weekends**. I will also reply less quickly on Thursdays, which is the day I devote primarily to research.

What to expect: Math 121 will require a significantly larger commitment than Math 111 or most high school versions of Calculus I or II. You should expect a higher workload and more conceptually difficult problems than you have seen in previous calculus courses. The first time you find yourself struggling to solve a problem or understand a concept from class, please seek help from me, the Q Center, or your peers.

Textbook: *Single Variable Calculus,* **7th Edition**, by James Stewart.

Topics: The three main topics of this course are integration techniques, infinite series, and parametric equations / polar coordinates. The **tentative** course schedule is as follows:

- 1/22-1/31: Inverse functions, including a review of exponentials and logarithms (Chapter 6)
- 2/2-2/21: Integration techniques (Chapter 7)
- 2/23-4/9: Sequences and series (Chapter 11)
- 4/10-4/13: Applications of integration (Chapter 5)
- 4/16-4/27: Parametric equations and polar coordinates (Chapter 10)
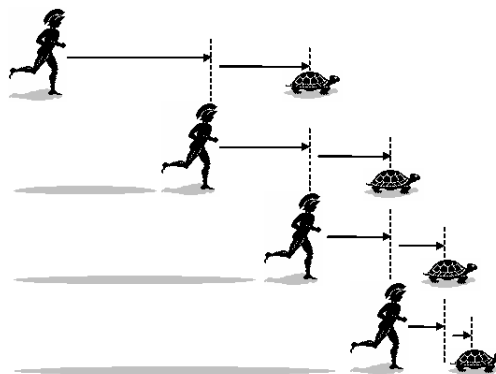
Structure of the course: There will be weekly homework assignments due Wednesday nights (submitted with an online system called Gradescope), three midterm exams, and a final exam. The midterm dates are as follows; be sure to mark them on your calendar now.

Midterm 1	Friday 2/16
Midterm 2	Friday 3/23
Midterm 3	Friday 4/20

Grades: Grades are computing with the following breakdown. There is no set curve or grading cutoffs, but most likely the median grade will be around a B.

Homework	10%
Your lowest midterm score	10%
Your other two midterms	20% each
Final exam	40%

Note that the lowest of your three midterms will be counted less in your final grade than the other two. This is to prevent a single bad exam from having an outsize impact on your grade.

Missed assignments: To compensate for illness and other emergencies, your lowest two homework scores will be dropped. If you cannot make a due date due to an emergency, you should simply skip the assignment, study and understand the problems to catch up when you have a chance, and focus on keeping up with the new material in the course. Therefore **late work will not be accepted for any reason.** I find that this is much better for students, as it prevents them from falling further behind.

Missed exams: if you are ill or an emergency arises near an exam, notify me as soon as possible. If you have a time conflict with an exam, notify me as soon as possible, and **at least one week in advance** (exam dates are listed above).

Accommodations: I strive to make this course welcoming to all students. If you would like to discuss your learning needs with me, please schedule a meeting so that we can work together to support your academic success. Anyone who may require an accommodation based on the impact of a disability should contact me to make arrangements. I rely on Accessibility Services for assistance in verifying the need for accommodations and developing accommodation strategies, so I encourage you to contact them at `accessibility@amherst.edu` or 413-542-2337.

Intellectual responsibility:

- **Homework:** Mathematics is a collaborative subject; open and generous communication is one of its core values. Therefore you are strongly encouraged to work with other students, ask many questions, and learn from as many people as possible. However, you must write up the solution yourself. **All your submitted work must be your work, written in your own words**. Copying solutions from other students, solutions manuals, or online databases is plagiarism; such copying will result in a 0 on the assignment and will be reported to Community Standards. You are also expected to **list each person your worked with** on the front of your homework assignment.

- **Exams:** You will be allowed **one page of notes (front and back)** for each exam. No calculators or other aids are permitted. Cell phones should be stowed out of sight during exams. Use of cell phones or other devices during the exams (except in emergencies) will be grounds to receive a 0 on the exam. You are bound by the college's honor code, and all work must be entirely your own on exams.