

# M235 (Calculus Lab) Spring 2015

INSTRUCTOR: Dr. Hundley

OFFICE: Olin 234

OFFICE HOURS: M, T, Th at 4PM.

Feel free to schedule an alternative time to meet if you can't make these hours. Otherwise, if my door is open, feel free to come in. You can also email me anytime.

OFFICE PHONE: 527-5151

EMAIL: [hundledr@whitman.edu](mailto:hundledr@whitman.edu)

COURSE WEBSITE:

<http://people.whitman.edu/~hundledr/courses/M235.html>

*All course handouts will be available on our website, so you might want to bookmark it.*

1. **Goals:** The main goals of this course are to (1) learn to use a computer algebra system (CAS) to solve mathematical problems, (2) learn how to write mathematics using LaTeX (which includes typesetting commands), and finally (3) be able to give a short oral presentation- More on this last item later.
2. **Software:** We will be using Maple for our mathematics work and LaTeX (pronounced "Lay-Tech", different than rubber) for the word processing. See our class website about getting a copy of LaTeX for your home computer (it's free!).
3. **Grading:** Your grade will be based on the written reports you turn in, and an assessment of your oral presentation. See the schedule below for more specific information. We will discuss the first assignment shortly.

Grading for the course will be done on a standard scale:

$A = 90 - 100$     $B = 80 - 89$     $C = 70 - 79$     $D = 60 - 69$     $F = 59$  or less

4. **Group Work:** Many of the assignments will be done collaboratively with a partner. Lab partners will be assigned randomly at the beginning of each lab, and you may not switch partners until that lab is completed. It is your responsibility to make sure that your partner contributes fairly to the project.

**Submitting your work:** Be sure your file has the name of both lab partners on it when turning it in, and each student will upload a copy of the lab (or assignment solutions) to their own CLEo mailbox.

5. **Plagiarism:** Your write ups should be completely your own- when you use other external sources, be sure and cite them (there are old calc books on the bookshelf you may use as needed)- You may use a footnote citation in abbreviated form<sup>1</sup>. In particular, you should NOT try to look up solutions to the exercises or lab write ups on the internet.

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<sup>1</sup>Calculus, James Stewart, 2001, pg. XX

6. **Late Work:** Late work will be accepted, but a penalty will be assigned: 5% for the first day late, 10% for the second day late, 15% for the third day late, and so on. Since most of the submissions are electronic, these count weekends and holidays.

7. **Other items:**

If you have a learning disability that will require special arrangements for you, please let me know as soon as possible.

I will not take attendance, but you are expected to come to class and work with your partner. If you need to miss class or an appointment with your partner, please do them (and me!) the courtesy of an email.

8. **Lab Schedule:** This may change a bit, but for now, this is our plan:

Week	Date	Topic	Percent of Course
1	Jan 21	Lab 1: Intro and Latex	6
2	Jan 28	Lab 2: Intro to Maple	6
3	Feb 04	Lab 3: Maple and Latex	8
4	Feb 11	Lab 4: Biorhythms	12 total
5	Feb 18	Lab 4, Continued	
6	Feb 25	Lab 5: Clairaut's Theorem	20
7	Mar 04	Lab 5, Continued.	
8	Mar 11	Lab 5, Finish up	
		Spring Break	
9	Apr 2	Lab 6, Surfaces and Curves	8
10	Apr 9	Lab 7, Ants on a Doughnut	20
11	Apr 16	Lab 7, cont.	
12	Apr 23	Lab 7, cont.	
13	Apr 30	Intro to Beamer	20
14	May 06	Work on Presentations	
	*	Presentations	
			100

9. **Oral Presentations:** Please save our usual final exam time for oral presentations. The 1PM section has Saturday, May 16, 9-11AM. The 2:30 section has Thursday, May 14, 2-4PM.