

# M235 (Calculus Lab) Spring 2013

INSTRUCTOR: Dr. Hundley

OFFICE: Olin 234

OFFICE HOURS: M at 9, T, Th at 2

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 problem, (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.

Your grade will be based on: Exercises, Lab reports, and the oral presentation. The first two assignments together constitute the first lab (Lab 0), then we have the remaining labs. Together, the labs will be 80% of the overall grade, and the oral presentation will be 20%. Grading 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:** You will do your assignments 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.

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 for the first few weeks:**

Week	Date (Wed/Thu)	Topic	Due
1	Jan 14-18	Introduction and LaTeX	Assign 1 due Jan 28
2	Jan 21-25	Introduction to Maple Continue with intro to LaTeX	Assign 2 due Feb 4
3	Jan 28-Feb 01	Continue with Maple	
4	Feb 04-Feb 08	Lab 1 (with new partners)	Due Feb 15
5	Feb 11-Feb 15	Lab 2	Due Feb 25
6	Feb 18-Feb 22	Lab 2, cont. Intro to Lab 3	
7	Feb 25-Mar 01	Lab 3, cont.	
8	Mar 04-Mar 08	Lab 3, cont.	Due before Break
		Spring Break	
9	Mar 28/29		
10	Apr 04/05		
11	Apr 11/12		
12	Apr 18/19		
13	Apr 25/26		
14	May 02/03		

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