

## M235 (Calculus Lab I) Fall 2009

INSTRUCTOR: Dr. Hundley

OFFICE: Olin 234

OFFICE HOURS: T, R, F at 11AM

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 two main goals of this course are to (1) learn mathematics software (Maple), especially in the context of solving specific problems, and (2) learn how to write mathematics using LaTeX (which includes typesetting commands). Additionally, we want to foster your ability to work in groups - More on that later.
2. **Software:** We will be using Maple for our mathematics work and LaTeX (pronounced "Lay-Tech", different than rubber) for the word processing. Everyone in class will need access to the Mathematics computer lab- our first day will involve logging on and looking at some computer basics (our lab uses the Linux operating system rather than Microsoft Windows).
3. **Grading:** Your grade will be based on the written reports you turn in, and an assessment of how you have been working in your groups.  
  
There will be no exams in this course. You will turn in 6 reports overall (for percentages and schedule, see the next page). After the initial labs, a rubric will be used to grade your papers- You should take note of the criteria used. The final grade will be a letter grade based on the standard scale (90-80-70-60).  
  
At the end of the semester, you will be asked to give a numerical assessment of each of your previous partners (on a four point scale). The overall average will count for ten points of your overall grade. (So the average will be out of 110 possible points)
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, and remember that you will be assessed by how well you are working together- For example, you should:

- Arrive on time.
- Ready to go when they do arrive.
- Ready to help, willing to do their fair share of the workload.
- Willing to schedule off-hour meetings.

**File Sharing:** Be sure that each partner in the group has access to files that we created in previous class sessions- An easy way to share is to use either Netfiles or email the final product(s) to each member of the group.

5. **Plagiarism:** Your write ups should be completely your own- the only external source you may use is your Calculus book, and when you use it, be sure and cite it (there are old calc books on the bookshelf you may use as needed).
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.

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 (Subject to Change)**

| Week | Date         | Topic         | % of Grade             |
|------|--------------|---------------|------------------------|
| 1    | Sep 2/3      | Introduction  |                        |
| 2    | Sep 9/10     | Lab 1, Part 1 | 10                     |
| 3    | Sep 16/17    | Lab 1, Part 2 | Due next starting time |
| 4    | Sep 23/24    | Lab 2         | 10                     |
| 5    | Sep 30/Oct 1 | Lab 2         | Due next starting time |
| 6    | Oct 7/8      | Lab 3         | 15                     |
| 7    | Oct 14/15    | Lab 3         | Due next starting time |
| 8    | Oct 21/22    | Lab 4         | 20                     |
| 9    | Oct 28/29    | Lab 4         | Due next starting time |
| 10   | Nov 4/5      | Lab 5         | 20                     |
| 11   | Nov 11/12    | Lab 5         | Due next starting time |
| 12   | Nov 18/19    | Lab 6         | 25                     |
|      |              | Break         |                        |
| 13   | Dec 2/3      | Lab 6         |                        |
| 14   | Dec 9/10     | Lab 6         | Due Monday, Dec 14     |