

Math 112: Calculus II

Professor: **Dr. Jason Parsley**

Office: 333 Manchester Hall

Office hours: M 1-2, Tu 4-5, W 11-12, Th 2:30-3:30, and also by appointment

Email: parslerj@wfu.edu

Course homepage: www.wfu.edu/~parslerj/math112

Course Time & Location: MTWF 2-3 (crn 83276) or MTWF 3-4 (crn 83277), 125 Manchester Hall

Text: Stewart, *Single Variable Calculus*, 5th ed. We will cover in varying levels of detail, chapters 5, 7, 8, and 9, and may cover parts of chapters 6 and 10.

Exams: There will be three midterm exams given in class and a final exam.

- 1st midterm: **Fri., Sept. 21**
- 2nd midterm: **Mon., Oct. 23**
- 3rd midterm: **Fri., Nov. 17**
- Final Exam: **Th., Dec. 7, 9am - 12 noon**, Room TBA

Homework: Homework for this class comes in two forms: (1) written homework, which will be collected twice weekly, and (2) online homework, completed through the WebWork system. Written assignments will be due on *Tuesdays* and *Fridays*; WebWork will be due on *Fridays*. **No late work will be accepted.** You must contact me in advance if there are circumstances which will not allow you to submit homework on time.

The written homework should be neatly written using proper English grammar. I anticipate using the following grading system: each assignment will be scored out of 10 points; three problems will be graded and each is worth 2 points; the remaining 4 points are based on 'completeness' – judging whether you have made an honest attempt at each problem.

WebWork is an online homework system for mathematics. You will login and be asked to work the required problems. WebWork offers immediate feedback, and you will have multiple attempts to solve each problem correctly. You will not lose any points so long as you are able to eventually solve each problem.

Academic integrity is something I take quite seriously. Here are my expectations: you may discuss course material freely with each other. The written assignments that you submit must be your original work, i.e., when writing your solutions, you should be working independently, not together. The online assignments through WebWork must be completed individually without any assistance from others.

Written Projects: Technical writing is one of the most useful skills for those in the academic, scientific or business professions, but it is one often neglected at the undergraduate level. Four written projects are required for this course. Some will be written individually; some will be completed in small groups (usually 2-3 students). Some of the projects will require using the software Maple; it may prove useful for all of them. All projects are due on Mondays:

	Assigned by	Due
Project 1	8/30	9/11
Project 2	9/25	10/09
Project 3	10/25	11/06
Project 4	11/20	12/01

Grade Calculation:

Homework	25%
Projects	12.5%
Midterm Exam 1	12.5%
Midterm Exam 2	12.5%
Midterm Exam 3	12.5%
Final Exam	25%

Bonus Opportunitites: To further your mathematics education, I will suggest various talks of mathematical interest throughout the semester. If you attend the talk, and write a 1-2 page reaction paper, you will be awarded (up to) 10 bonus homework points. The reaction paper should be typed and should not consist of a summary of the talk; instead, you should expound upon the thoughts, feelings, and ideas which you experienced because of the talk. I reserve the right to modify or limit the bonus points which students may earn.

I can already suggest a talk: Jean Taylor of Rutgers U. will speak on “Women & Mathematics” on Sept. 13, 4:00pm, Winston Hall, Room 126.

Where to get help? Start with office hours! Talk with your classmates; form study groups. The Learning Assistance Center on campus can provide you with a free tutor. Also, there will (probably) be evening study sessions for calculus led by math graduate students in Manchester.

If you have a disability which may require an accomodation for taking this course, please contact the Learning Assistance Center (758 5929), then contact me, within the first 2 weeks of the semester.