

# Math 112: Calculus II Syllabus, Fall 2009

Professor: **Dr. Jason Parsley**

Office: 334 Manchester Hall

Office hours: Tu 10-11am; TuTh 1:30-3; W 3-4; and by appointment

Online office hour: Tu. 9-10pm

Email: parslerj AT wfu.edu

**1. Course Time & Location:** TuTh 12-1:30 and W 12-1, Manchester 020

**2. Text:** Stewart, *Single Variable Calculus*, 6th ed. We will cover:

Integrals: § 5.1-5.5

Applications of Integration: § 6.1, 6.2, 6.3, 6.4, 6.5

Inverse Functions: § 7.1-7.4, 7.6, 7.7, 7.8

Integration Techniques: § 8.1, 8.4, 8.5, 8.7, 8.8

Sequences & Series: § 12.1-12.11

Sections in italics may not be covered fully (or at all).

**3. Exams:** There will be two midterm exams given in class and a final exam.

- 1st midterm: **W., Oct. 7**
- 2nd midterm: **W., Nov. 18**
- Final Exam: **Th., Dec. 10, 9am - 12 noon**, Room TBA

**3. Online Course Tools:** We will use Sakai, a course management system:

<http://sakai.wfu.edu> for posting assignments, announcements, chat room, etc.

We will use WebWork, an online homework system:

<http://webwork2.math.wfu.edu/webwork2/Math112>

**4. Homework:** Homework for this class comes in two forms: (1) written homework, which will be collected weekly, and (2) online homework.

Written assignments will be due on *Wednesdays* at the start of class. **No late work will be accepted.** (Wednesday at 12:10 is late.) 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 15 points; three or four problems will be graded and each is worth 3 points; the remaining points are based on 'completeness' – judging whether you have made an honest attempt at each problem. Your lowest homework grade may be replaced with the quiz score from Tu., Nov. 24th.

WebWork is an online homework system for mathematics. You will login and be asked to work the required problems. There will be many, short WebWork assignments (up to 4/week). 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.

**5. Quizzes:** There is one scheduled 10 minute quiz, worth 15 points, held on Tu., Nov. 24th. I reserve the right to hold more quizzes on Wednesdays. These will always be announced. There will be no makeup quizzes (except for university-approved absences).

**6. 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. Three 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.

	Assigned by	Due
Project 1	9/1	9/10
Project 2	10/1	10/15
Project 3	TBA	TBA

## 7. Grade Calculation:

Homework/Quiz	30%
Projects	21%
Midterm Exam 1	12%
Midterm Exam 2	12%
Final Exam	25%

**8. 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.

**9. Where to get help?** Start with office hours! Talk with your classmates; form study groups. There are evening study sessions for math 112 (hours TBA).

**The Math Center** offers free one-on-one appointments with tutors (1/day, up to 2/week reserved & unlimited walk-in). This is an incredible resource, located in Manchester 354.

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.