Math 117 Introductory Calculus

Course Information

Fall 2012

Instructor: Megan Heenehan **email Address:** mheenehan@wesleyan.edu
Office: 613 ESC **Website:** mheenehan.web.wesleyan.edu
Office Hours: Wed. 11am–12:30pm, Thur. 2:40-4:10pm, and by appointment

Class Meetings: Mon., Wed., Fri. 10–10:50am (618 ESC), Mon. 12–12:50pm (139 ESC)

Moodle: All assignments and course information will be posted to the Moodle page, https://moodle.wesleyan.edu/course/view.php?id=5693. You should check this page regularly.

Exams: Three midterm exams will be given during the semester, each will be worth 15% of your grade. Exams will be given **Monday evenings from 7:30-9:30pm** in room 058 in Exley Science Center.

Exam Dates:
September 24th 7:30-9:30pm
October 22nd 7:30-9:30pm
November 12th 7:30-9:30pm
In addition there will be a cumulative final exam scheduled by the Registrar.

Description: This course is designed to introduce basic ideas and techniques of differential calculus. Students should enter with sound precalculus skills but with very limited or no prior study of calculus. The course will cover Chapters 1–4 of the textbook *Calculus: single variable* (5th ed.), by Hughes-Hallett, Gleason, McCallum, et al.. Chapter 1 will be a review of precalculus. Chapter 2 will introduce the concept of the derivative. In Chapters 3 and 4 we will develop rules for differentiation and will focus on applications of the derivative. Integral calculus will be covered in Math 118 in the Spring semester.

Materials: You must bring both your textbook and graphing calculator to *every* class.

Textbook: *Calculus: single variable* (5th ed.), by Hughes-Hallett, Gleason, McCallum, et al.
Calculator: You are required to have a TI-83 graphing calculator.
Other graphing calculators may be acceptable; check with your instructor to be sure.

Grading: Your grade for the course will be computed as follows.

20% Homework & Participation[1]
10% Group Work[1]
10% Quizzes[1]
45% Exams (3 exams, dates listed above)
15% Final Exam
In addition, you must pass a Skills Test to pass this course.

[1]Your lowest homework, group work, and quiz grades will be dropped.

Homework: Weekly homework will collected at the beginning of class each Friday. **Late homework will not be accepted**, but your lowest homework grade will be dropped. You may seek help on the individual homework assignments from your instructor, from our TAs, from other students in the class, and from the Math Workshop (see below), but you must write your homework yourself. There will be regular TA sessions, which you are strongly encouraged to attend if you have difficulty working the week's assignment. Your homework will be graded by your TA.

Group Work: Group work will be conducted most Mondays at noon. Each group must turn in their work at the beginning of class on Wednesdays. **Late group work will not be accepted**. The lowest group work grade will be dropped. Your group may need to meet outside of class to complete the assignment and review the write-up. You may only confer with your group and the instructor.

Quizzes: Short quizzes will be given most Mondays at noon. Quizzes will be based on material covered the previous week during lecture. **Makeup quizzes will not be given**. The lowest quiz grade will be dropped.

Skills Test: To pass this course you must answer at least 8 of 10 questions on the Skills Test, which will cover calculating derivatives. You may take the Skills Test as many times as you need, but you must have passed it by 5 p.m. on the last day of classes, December 7^{th}. Each time you take the test, you will be given a different (but comparable) version of the test.

Attendance: Class participation is a factor in your grade, so attendance is important.

TA Help Sessions: Starting by the second week of classes there will be afternoon or evening help sessions for Math 117 staffed by undergraduate TAs, open to all sections. Their hours and locations will be given to you as soon as they are available.

Math Workshop: You are encouraged to make use of the Math Workshop, a free tutoring lab provided by the Math Department. Located in the Science Library, the Workshop will be open weekday afternoons and Sunday through Thursday nights. Its hours of operation will be given to you as soon as they are available.

Students with Disabilities: It is the policy of Wesleyan University to provide reasonable accommodations to students with documented disabilities. Students, however, are responsible for registering with Disabilities Services, in addition to making requests known to me in a timely manner. If you require accommodations in this class, please make an appointment with me as soon as possible [during the 2nd week of the semester], so that appropriate arrangements can be made. The procedures for registering with Disabilities Services can be found at http://www.wesleyan.edu/studentaffairs/disabilities /index.html.