

## Syllabus for Math 251: Calculus I Spring 2014

---

**Instructor:** Breeann Flesch

**Contact Information:** office: MNB 126 phone: (503) 838-9489\*  
email: fleschb@wou.edu\* webpage: www.wou.edu/~fleschb

**Materials:**

**Textbook:** Calculus: Concepts and Contexts - Fourth edition + WebAssign, James Stewart (ISBN: 9780538796859)

**WebAssign Access Code:** Books purchased from the WOU bookstore come with the WebAssign access code. Otherwise, you must purchase a code online. NOTE: You may purchase an access code online that comes with an electronic copy of the text, which you can use in place of the hardcopy text if you wish.

**Calculator:** A TI 83 or 84 (or equivalent) is required. A TI-89 or equivalent may not be used on exams and quizzes.

**Maple:** Maple 16 is used in this course. It is available free on the campus network. Information is available on special low pricing for a student version.

**Schedule:**

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:00					Math 213
9:00	Math 213	Math 213	Math 213		Math 213
10:00	Office Hour	Office Hour			Office Hour
11:00					
12:00		Meeting			
1:00	Office Hour		Office Hour		Math 251
2:00	Math 251	Math 251	Math 251		Math 251

You do not need to make an appointment to come to office hours. At times other than my listed office hours you are welcome and encouraged to call or email me with questions about the course. If you have scheduling conflicts with my office hours and would like further help, please let me know.

---

\*My preferred method of communication is email.

**Course Description:**

MTH 251 Calculus I (5)

Differential calculus of functions of a single variable, including transcendental functions. Prerequisite: MTH 112 with a grade of C- or better, or satisfactory score on WOU's math placement test. (Offered every quarter)

**Learning Outcomes:** This course is an introduction to Calculus. At the end of the course, the successful student will know:

- an intuitive description of limits
- techniques for calculating limits numerically, graphically, and algebraically
- the definition of the derivative of a function
- techniques for finding derivatives numerically, graphically, by using limits, with shortcuts (also known as "rules") and with technology
- some applications of derivatives
- the basics of a computer algebra system
- how to communicate calculus effectively using proper mathematical notation and, in some cases, prose

**Class Webpage:** There is a link for the class webpage on my home page (<http://www.wou.edu/fleschb/>). There you will find the schedule for the class, including dates for homework and exams, along with other important information.

**Assessment Methods:**

**WebAssign Homework:** There will be (almost) daily online WebAssign homework assignments. WebAssign grades every problem and due dates are listed within the WebAssign system as well as on your class webpage. Late assignments are not accepted. The lowest two scores will be dropped.

**Written Homework:** About once a week there will be a written homework assignment you must turn in for grading. Due dates are posted on the class webpage. These assignments will be graded on accuracy as well as your ability to show your work and defend your solution. Each question will be graded on the following rubric:

**Maple Labs:** There will be in-class maple labs to complete and turn in for credit. Dates and details will be posted on the class webpage.

**Quizzes:** About twice or three times a week there will be a short quiz on the material presented in class (usually the previous class). Due dates may or may not be posted on the webpage, so you must attend class daily. Make-up quizzes will not be given. Your lowest two quiz grades will be dropped.

**POGIL:** This term we will be using Process Oriented Guided Inquiry Learning (POGIL) to learn much of the material. This requires you to construct your own knowledge using guided practice worksheets in groups and takes the place of traditional lecture.

Category	Points
Question is completely answered and an appropriate strategy is used	1
Solution is explained so that another student could understand	1
Solution is accurate	1
<b>TOTAL</b>	<b>3</b>

**Exams:** There will be two midterm exams and one final exam. Makeup exams are generally not given. If you must miss an exam due to a documented emergency or a documented university sanctioned absence from class please inform me ASAP. Cell phones may not be used as calculators during an exam and must be turned off.

**Grade:** The standard grading scale will be used for this class. Your grade will be assessed on the following criteria. Grades are posted on Moodle and it is your responsibility to check it regularly.

Written homework and Labs	15%
WebAssign homework	15%
Quizzes	15%
POGIL	7%
Exams	$16\% \times 3 = 48\%$

**Registering for WebAssign:** To register for WebAssign ([www.webassign.net](http://www.webassign.net))

1. Click Student Support in the USER SUPPORT section.
2. Read through the “Student Quick Start Guide.”
3. When you are ready to register, click “Have a class key?” in the ACCOUNT LOG IN section on the WebAssign homepage.
4. Our WebAssign class key is: wou 1297 6480

There is a 14 day grace period during which you can use WebAssign without paying. You can also use an existing WebAssign account, see the “Webassign Student Guide.”

**Appropriate Classroom Behavior:** You are ultimately responsible for your own attendance and performance. It is expected that electronic devices such as cell phones will be turned off during class. Proscribed Conduct for all students is described in the University Catalog.

**Incomplete Policy:** An Incomplete can only be granted for a student who is passing a class and has a documented emergency that prevents them from completing a small component of the course.

**Accommodations:** Any student who feels s/he may need an accommodation based on the impact of a disability should contact me privately to discuss your specific needs. Please contact the Office of Disability Services at 503-838-8250 to coordinate accommodations. Students needing medical or mental health care can access the Student Health and Counseling Center by calling 503-838-8313, emailing at [health@wou.edu](mailto:health@wou.edu), or by walking in to schedule an appointment.

**Veterans and Active Military Personnel:** Veterans and Active Military Personnel with special circumstances are welcome and encouraged to communicate these, in advance if possible, to the instructor.