

# Math 233 Fall 2018

Section	Day/Time	Room Location
1	MWF 9AM-10AM	Hillman 60
2	MWF 10AM-11AM	Louderman 458
3	MWF 12PM-1PM	Rebstock 215
4	MWF 1PM-2PM	Rebstock 215

## Instructors:

### Prof Patricio Gallardo

Office: Cupples 1, Room 207B

Email: [pgallardocandela@wustl.edu](mailto:pgallardocandela@wustl.edu)

Office Hours: Tues 11AM-12PM, Wed 8AM-9AM, Fri 4PM-5PM

### Prof John Shareshian

Office: Cupples 1, Room 104

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Office Hours: Mon 11AM-12PM, Thurs 11AM-12PM, Fri 11AM-12PM

### Prof Mladen Victor Wickerhauser

Office: Cupples 1, Room 105A

Email: [victor@math.wustl.edu](mailto:victor@math.wustl.edu)

Office Hours: TBA

## Assistant Instructor:

### Mark Mancuso

Office: Cupples 1, Room 203

Email: [mark.mancuso@wustl.edu](mailto:mark.mancuso@wustl.edu)

Office Hours: TBA

**Help and Assistant Office Hours:** [Calculus Help Room](#). Available M-F between 10AM-5PM.

## **Text:**

**Stewart, *Calculus, Multivariable Calculus*, 8th edition.**

We will be using the 8th edition, and we will cover most parts of chapters 12-16. You should be okay with any edition, but you will have less annoyances the closer you are to the 8th.

**If you are taking chemistry also, you might do well to purchase Cengage Unlimited, which will give you access to both the chemistry and calculus textbooks. This is not required, but if you're buying this for chemistry already, no need to buy something else for calculus.**

**What you need to know:**

- Here is a [Cengage Video](#) that describes Cengage Unlimited and describes how to get access.
- Create an account and log on to [WebAssign](#)
- Course Title: SCalcET8
- Class Key for Math 131: wustl 8449 0904
- Class Key for Math 132: wustl 6516 5037
- Class Key for Math 233: wustl 1158 5167
- Textbook: Calculus: Early Transcendentals - 8e.
- Click on "eBook"

## **E-Text:**

If you buy the book from the bookstore with an access code, then you can get access to the ebook. THIS IS NOT REQUIRED or even recommended, but it is something you might find useful.

**What you need to know:**

- Create an account and log on to [Webassign](#)
- Use the Course Code "wustl 1529 8772"
- Click on "eBook"

## Are you in the right class?

**Math 131 Calculus 1:** Limits, Derivatives, maxima and minima, L'Hopital's Rule

**Math 132 Calculus 2:** Integration, area, volumes, surface area, infinite series, Taylor series

**Math 233 Calculus 3:** Partial derivatives, multiple integration, Green's theorem and vector calculus

### Help:

- Instructor Office Hours: TBA.
- [Calculus Help Room](#): Available M-F between 10AM-5PM.
- Mark Mancuso office hours and help sessions: TBA.
- [Cornerstone](#): Walk-in and scheduled mentors.
- [Engineering Tutoring Services](#) (only available to EN students)

## Calculators:

While you are free to use any calculator for your homework, you will not be allowed to use a calculator for exams:

**NO CALCULATOR ALLOWED FOR EXAMS!**

**We will make sure that all arithmetic necessary to complete the exam is easy.**

## WeBWork:

Log on to blackboard Math 233, go to "Content", and then click "Webwork".

You will do weekly homework online. You are responsible for making sure this is done by the due date. **Important!** There may be more than one set due each week!

Your WeBWork score each week is the total number you get correct. There is no penalty for multiple tries. But don't guess! If you have worked hard on a problem for some time and still cannot solve it, ask for help. You can do so through WeBWork. We will attempt to answer all questions in a timely manner.

Here is a link that might be helpful:

[http://webwork.maa.org/wiki/Available\\_Functions](http://webwork.maa.org/wiki/Available_Functions)

## Recommended Homework:

The textbook contains an enormous number of homework exercises at the end of each section. You will get the most out of the course if you do all of these (yes, we really do mean **all** of these).

We will recommend a subset of these problems for you to focus on. These will not be collected or graded.

**READ THIS!! Exam problems will be taken from WeBWork assignments and Recommended Homework problems, with the numbers changed. So, if you can do all of these problems on your own, you will be well prepared for the exams**

### **Peer Led Team Learning (PLTL):**

The PLTL program is voluntary but highly recommended. Information will be emailed to all students the first week of class.

### **Study Suggestions - What to do Daily and Weekly:**

- Do ALL of the appropriate Recommended Homework problems after lecture. Make sure you understand these problems!
- Read one section ahead--be prepared for lecture and discussion section. This has the risk of making lecture slightly boring with the potential benefit of understanding more.
- Do the WebWork homework early.
- Do the Recommended Problems as many times as necessary to understand the ideas behind the solutions. It is fine to get help, but then make sure you can do the problems on your own.
- Go to PLTL (if you are signed up) or do the PLTL problems (they are typically available after the PLTL groups get them).
- If you don't understand something, visit your instructor and TA office hours. You can see [Calculus Help room](#) for TA office hours and other suggestions on where to get help.

### **Study Suggestions - Advice from your RPMs:**

This is a fantastic document put together by the RPMs: [Calc Advice from your RPMs](#)

### **Exams:**

- Exams will consist of multiple choice questions and written answer problems.
- You will not be allowed anything other than writing tools at the exams.
- (In particular, no notecards, no calculators and no smart devices - smart phone etc).
- On the day of the exam, find your room and seat before the exam: [Exam Seating](#)

- Find your score on the multiples choice part of the exam the day after the exam here: [Multiple Choice Exam Scores](#)
- Written answers will be graded using Crowdmark. You will be notified when grading is complete.
- View past exams here: [Old Exams](#) (some semesters are more helpful than others).
- Find all your grades here: [Blackboard](#). Webwork grades will be uploaded to blackboard at the end of the semester.
- Do not miss an exam. If an emergency arises, contact your professor as soon as possible.
- The final exam covers all material from the course.
- Exams are on Wednesday evening.
- **Curving:**
  - If the average of the exam is below 75% then all exam scores will be adjusted upwards by adding a constant to everyone's score so that the average is 75%.
  - If the average of an exam is above 75%, no adjustments will be made.
  - Example: You get a 80% on Exam 1 and the actual average of Exam 1 is 50.0%. Thus, everyone will receive 25.0 "curve points" for Exam 1. Your score (to be used in grade calculations) for Exam 1 will therefore be 105%.

## Exam Schedule:

Exam Schedule	
Exam 1	Thurs Sept 20, 6:30-8:30PM
Exam 2	Wed Oct 10, 6:30-8:30PM
Exam 3	Wed Nov 14, 6:30-8:30PM
Final	Thurs Dec 13, 3:30-5:30PM

## Grades:

Your final grades will be computed according to the following formula:

$$\text{Grade} = 0.80 * (e1 + e2 + e3 + 2 * e4 - \min(e1, e2, e3, e4)) / 4 + 0.20 * (\text{WeBWork})$$

Notice that this means the final exam score can replace your lowest semester exam score.

A+	TBD
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A	[90,100)
A-	[85,90)
B+	[80,85)
B	[75,80)
B-	[70,75)
C+	[65,70)
C	[60,65)
C-	[55,60)
D	[50,55)
F	[0,50)

### Pass/Fail Policy:

You must get at least a C- to earn a "Pass".

### Disability Resources (DR):

Special accommodations for exams are offered to students who have registered in a timely manner at Disability Resources (DR). Information about DR may be found at <http://disability.wustl.edu/> Students who desire to take advantage of this service should go to the DR early in the semester, well before the first exam. Once approved for accommodations, students in Math 233 should work with DR for these exams.

### Links and Resources

- [Wolfram Alpha](#)
- [Flash Mathlets by B Kaskosz](#) (here is a [simple function grapher](#)).
- [Sage](#)
- [Gnu Plot](#)
- <https://sourceforge.net/projects/maxima/files/>
- [Octave](#)

- [Calculus Page Problems by D Kouba](#)
- [eCalculus.Org](#)