

# Math 261: Calculus 1

West LA College Spring 2015

Instructor: Jamie Jenson

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Section: 4502 (5units)

Phone: 310.287.4219

MW 7:15-9:50 pm

Office: MSB221

Classroom: MSA 009

Office Hrs: MW:10-11am, 4-4:25p, TR 12:45-2:15pm

Last day to drop with refund and **without a W: Feb. 20**, Last day to drop **with a W: May 8**

**Prerequisites:** Math 260 or equivalent with a grade of "C" or better, or appropriate placement level demonstrated through WLAC math placement process. NO Exceptions!

**Course Description:** Students learn basic principles and applications of calculus. Topics include: continuity and limits; differentiation and integration of algebraic and trigonometric functions; fundamental theorem of calculus; applications of the derivative to curve sketching; rectilinear motion, maximum/minimum problems, and related rates; applications of the integral to problems of area, volume, arc length and work.

**Materials:** You must buy the textbook for this course. You need to have a scientific calculator and you may have a TI-83 PLUS, or TI-84 PLUS graphing calculator to work on homework as help. You will only be allowed to use a scientific calculator on any quizzes or exams. Anything turned in needs to be in PENCIL.

**Textbook:** Single Variable Calculus (5th Ed.) by J. Stewart (Required)

## Homework (125 pts)

Homework will be turned in in five packets throughout the semester. They will be graded on completeness and correctness. Homework will be collected in packets, on the dates of the exam. Make sure to keep up with homework as we cover the sections. EOO means Every other Odd question. Please follow the FAWW at the end of this syllabus to make sure your homework is clear otherwise it will not be graded.

## Quizzes (250 pts)

There will be 10 quizzes worth 25 points each to be completed during class. You will not be allowed to make up any quizzes. Quiz problems will be similar to the homework problems assigned. They will not be the exact problems, but will have different numbers or similar changes. The quizzes will have time limits (usually 15 minutes) and must be completed once you begin. Quizzes will be given at any time during the class period so it will be in your best interest to show up on time and expect to stay the entire class period. **No makeups will be given for being late or missing class!** There are 11 quizzes scheduled, so I will be dropping your lowest quiz score to account for days you are absent because of illness, emergencies, etc.

## Exams (400pts)

There will be 4 (100 pts each) midterm exams on the dates indicated in the schedule. Exam dates are subject to change if necessary. The problems on the exam will be similar to homework problems and quizzes. You must show your work. If you only put the answer, you will receive no credit. There are no make-up exams, however for excused absences your final exam score will be used to replace the missed exam score. **YOU MUST CONTACT ME** to see if this applies to you. If I do not hear from you before the next class you attend, you will receive a 0. If a second exam is missed, it will be recorded as 0.

## Final (225 pts)

The final exam will be comprehensive and is worth 225 points. A missed final exam will result in an 'F' in the course. **No makeup exams will be given for missing class or being late!** If you keep up with the material and complete all the homework problems and study the quizzes, you should be well prepared for the exams. But, you are expected to understand the concepts we cover, not just the particular problems, so do not expect to see the exact problems that are on the quizzes also on the exams. They will be different, but overall will be similar.

## Grading:

Homework	125 points	A: 90 - 100%
Quizzes (-1 quiz)	250 points	B: 80 - 90%
Midterm Exams	400 points	C: 70 - 79%
<u>Final Exam</u>	<u>225 points</u>	D: 60 - 69%
Total	1000 points	F: Below 60%

## Availability

I am available through email and in office hours. If you are not able to meet during office hours, you can make an appointment with me at another time, if possible. If you cannot make office hours, you should make use of the tutoring center on campus in the library.

## Student Learning Outcomes: A successful student will be able to:

1. Use and interpret the derivative algebraically, graphically, and numerically to model rates of change in physical phenomena (e.g. velocity, acceleration, population growth, rates of change) and in other quantifiable contexts.
2. Use and interpret the integral algebraically, graphically, and numerically to model summation in physical phenomena (e.g. distance traveled) and other quantifiable situations.

## Need Help?

There are many resources that are available to you for help with homework, studying and time management.

1. Your instructor
2. Your peers
3. HLRC - You can get help here on some of your homework problems.

Do NOT wait until the last minute looking for help. By then, it will be too late. You need to keep on top of your homework to make sure you are successful in this class, and any others you take.

## Attendance

Attendance is essential for success in math. Coming late is disruptive to your classmates and is not acceptable. If you miss more than 3 classes, I may drop you from the course. Tardiness is counted as an absence. If you need to be late or miss a class, let me know by email before class. If you miss a class, it is your responsibility to find out what you missed from a classmate.

Name: \_\_\_\_\_ Phone #: \_\_\_\_\_

Name: \_\_\_\_\_ Phone #: \_\_\_\_\_

Please contact these people for sections we covered in class, and any announcements.

## Academic Dishonesty

**Don't cheat.** It cheapens your education, as well as the education people seek at this institution. I will not tolerate cheating in any way! If I notice you cheating during a quiz or test, you will receive an 'F' for that assignment or an 'F' in the class and reported to the college administration. Cheating can be done by talking, looking at other papers, leaving notes open 'accidentally' on the floor in front of you, or using someone's calculator, etc. Do not make me question your integrity by doing anything that seems like cheating. You are expected to do your own work, because you are getting your own grade for this course. **No Warnings will be given!**

## Responsibility

**Your grade is your responsibility.** If you want to do well in this course, you will want to devote studying for this class at least 3 hours every day. We only see each other 2 times a week, which means there is a lot of time to forget what we learned and talked about, so it is in your best interest to work on this stuff a lot outside of coming to class. You need to make sure that you are studying every day, doing homework and keeping up with the material. If you do not understand a concept, you need to talk with me immediately, because you don't have time to get behind. I do not grade easily. I expect a lot from you, as you will expect a lot from me.

You are expected to check your emails regularly.

You are also expected to withdraw from this class if you decide to leave too soon, do not expect me to do it for you.

All cellphones should be on silent during class. No texting please. If you need to take a phone call for an emergency, let me know before class and please step outside to take it. You are paying for this course, please get the most out of it by attending for the full time and paying attention.

## Disabled Student Program and Services (DSPS)

Students with disabilities who believe they may need accommodations are encouraged to contact the DSPS located in SSB 320, as soon as possible to ensure that, if they qualify, we can make arrangements in this course in a timely fashion. Contact DSPS: Phone 310.287.4450.

### Format for All Written Work (FAWW)

All written work must follow the following format to receive full credit:

1. Use standard size 8 ½ x 11 inch sheets of notebook or blank paper. Reusing previously printed-paper is not acceptable.
2. Do not use paper with torn or rough edges (such as spiral bound notebook paper) - all edges must have a clean, straight cut.
3. **Use a pencil - work done with a pen is not acceptable.**
4. Write your Last name first, then First name, the days of your class (261 MW) in upper right hand corner of your first page.
5. Put the title of your work at the top.
6. **Staple or paper clip all sheets together.** Loose pages will not be accepted
7. Write the number of each problem. Work should be done in numerical order.
8. Divide the paper in half vertically. Work from the top of the left hand column down in numerical order. If the work from your first column does not spread across to the second column, you may continue at the top of the right hand column and work downward again.
9. Leave at least one horizontal line of space between problems.
10. Use only a maximum of two columns per side.
11. You may use both sides of the paper.
12. Write solutions using the style demonstrated in class: neat and clear, working downward, line-by-line and word problems should show all steps.
13. Use an eraser to remove mistakes.
14. Circle or box your answers (obvious exceptions: graphs).

## Behavior Guidelines

1. Students will respect and accept the authority of the instructor and instructional associates to establish the rules and procedures for the classroom, laboratory, and tutoring room and will comply with these rules and procedures.
2. Students will use appropriate language and classroom etiquette at all times.
3. **Students will arrive on time** to class and refrain from leaving early unless prior permission has been granted.
4. Students will endeavor to keep good attendance and maintain a serious attitude regarding their own achievement including the completion of all assignments in a timely manner.
5. **All cellular phones, media players, or other personal electrical devices (other than mathematics calculators) will remain off** inside the lecture room, computer laboratory, and tutoring room.
6. **No food or beverages other than bottled water** are allowed in classrooms, laboratory, or tutoring room.
7. Challenges or harassment of faculty or staff members, either verbal or otherwise including inappropriate gestures, by students are unacceptable.
8. Each student will accept responsibility for his/her own academic success.

## Conclusion

The rules established herein are not negotiable. The student's enrollment in this course shall be interpreted as his/her consent to abide by the guidelines stated above. These rules are in addition to those stated in the Student Code of Conduct published each semester in the Schedule of Classes. Any student who believes they have been subjected to an unfair action should first speak with their instructor. A formal student grievance procedure is also available as a last resort.

#### **How to Study for this Math Course!**

- **Time!** You need to make time for this class. Because of the high volume of material covered in this course, class time is not allocated for review of material from previous lecture. Please come to office hours, or take advance of free tutors in HLRC.
- **Practicing is essential!** You need to put more time into this course because math builds on itself. Practice without using your note and help before an exam to get a real expectation of how you would do on an exam or quiz. Pick problems from the homework and see if you can get them correct with no help.
- **Be patient!** It takes more than one time to get a process. Give yourself a chance to make mistakes. If you still do not understand a concept, try other problems in the section, and come and talk to me in office hours.
- **Don't erase your practice.** If you make a mistake, you will want to be able to go back and review your work to see if you can find it. If you can't, it will be a lot easier for me to see where the mistake was with your work in front of me. Help me, help you!
- **Read your text** beforehand! It will be nice if you already have an idea of what I am going to talk about before class. Even if it seems a little overwhelming, you will want to read it with a pencil and paper, jot down some notes, and get an idea of how to work out some problems. Trust me, it will be clearer when we go over it in class, and if you check it out before, you will most likely get it right away.
- **Don't be afraid to ask questions!** When you ask questions, it tells me what I might have skipped, and what you all might be a little fuzzy on. Trust me, if you have a question, there is a 90% chance that someone else has the same one, they are just too chicken to speak up! So speak up! If you are still unclear how to do something, come to office hours.