

Instructor: I-Shen Lai**Email:** ishenlai@yahoo.com**Voicemail:** (310)434-8080**Etudes:** Know how to log on to Etudes. Once Etudes is activated, course material will be posted on Etudes.

This is a Web-Enhanced Class. Technology will be used. Register at Etudes.org to have access to course information/material. Please have access to a computer throughout the semester.

Office Hours (More stimulating math discussions!):

Tues and Thur 6:15- 7 PM in MSB 214/217

PREREQUISITE: Math 261 with a C or better, or appropriate placement.**COURSE DESCRIPTION:** Second course in a three semester unified treatment of calculus. This course deals with the differentiation and integration of transcendental functions, standard techniques of integration, curves in polar coordinates, and sequences and series.**STUDENT LEARNING OUTCOMES:**

Model and solve an applied problem by formulating a definite integral and evaluating the integral using an appropriate algebraic technique (e.g. substitution, integration by parts) or using numerical techniques (e.g. Simpson's Rule or Taylor polynomials).

REQUIRED TEXT: Calculus, 5th Edition by James Stewart. (Your book must have Chapters 7-12)**REQUIRED MATERIALS & SUPPLIES:** Notebook, binder, sharpened or mechanical pencil, eraser, ruler, stapler, scientific calculator.**Calculator Policy:** Scientific calculators will be necessary and allowed, approved models will be announced. Graphing calculators will not be allowed on assessments but will be helpful in the coursework.**WEB RESOURCES:**www.wolframalpha.com (graphing and other utilities)www.desmos.com/calculator (graphing utility)www.khanacademy.org (video lectures and tutorials)<http://tutorial.math.lamar.edu> (Paul's online math notes)<http://www.mathscoop.com> (notes, practice, calculator)

Statue of Isaac Newton

A brief word: We are embarking/continuing on an exciting journey. The applications of calculus are endless and the theory is amazingly beautiful. Yes, there are definitions and theorems to memorize, rules and formulas to learn, problems and more problems to practice, and exams to stress about. But every so often, try to break out of the mundane and lose yourself in the beauty that is mathematics. I look forward to it and hope you do too 😊

COMMUNITY (a.k.a. CLASS CONDUCT and GOALS)

Community is built on mutual trust and respect. Every class is a community of learners, and we can enjoy this semester better if we become a team with a common goal. In order to learn and thrive in this class, we all need to invest the time and effort necessary for success.

I will hold very high standards and expectations for you. I trust that you will take this class very seriously and will work to the best of your ability; you will come to class on time, ready to learn and participate; you will complete the homework daily; you will seek help when needed; you will be prepared for exams; and you will abide by the Academic Honor Code. **DO NOT BREAK THIS TRUST!**

You can hold me accountable as your teacher—I will commit to do my very best to teach, to motivate, to support, to be available, and to walk alongside you on this 16-week journey.

Have the right attitude, and you may be surprised at what a wonderful, fun, fruitful semester this could be. ☺

CLASSROOM CONDUCT + CELLPHONE/ELECTRONICS POLICY:

Please be respectful to your instructor and fellow students. Refrain from talking during lectures. Do not leave the classroom (or walk in and out) or pack up before you are dismissed. Silence your phones and do not use your phone or electronic devices in class. Repeated warnings for disruptive behavior or phone usage may result in disciplinary consequences including suspension or withdrawal from the class.

ATTENDANCE, DROP AND WITHDRAWAL POLICY:

Attendance is mandatory. You should plan to arrive to each class *on time* and *stay for the entire class session*. If you are absent four times, you may be dropped from the class. If you miss part of a class (late or leave early), it counts as half an absence. These will reflect poorly on your grade.

You will be responsible for all announcements made in class. If you miss class, please be sure to contact a classmate for all announcements.

Although I retain the right to drop you given the above circumstances, it is nevertheless your responsibility as a student to withdraw from class if you do not intend to complete it. If you wish to drop this class, you may do so online or in person through Admissions up to the last day to drop. Please be aware of all college deadlines. **Last day to drop without a W: 9/14. Last day to drop with a W: 11/23.**

METHODS OF PRESENTATION:

LECTURE (majority of class time)

Most of my lectures are interactive, and I welcome participation and feedback such as answers or questions, when I ask for them and they are not distracting or disruptive. Be an active participant during lectures by listening attentively and taking good, neat notes. Please refrain from talking among yourselves, not even about the math topic at hand. If you have a question about the lecture, write it down until an appropriate time arises in which you can ask it, usually when I pause and ask for questions, or after class. If I made a typo or error on the board or my writing is unclear, you may raise a question about those issues right away.

SEATWORK/GROUPWORK/CLASS ACTIVITIES

When time allows, I may pose a problem for you to work out at your seat individually, in pairs, or in groups. Be an active participant in such activities. This is when you may discuss problems with each other as well as ask me questions. Abide by the time limits and be ready to stop discussion and return to lecture time when directed to do so. Such work may or may not be collected. (If you are very uncomfortable working with others in group situations, please let me know so that you may be excused from group activities.)

ACADEMIC HONOR CODE (a.k.a. academic dishonesty will result in serious consequences)

Pursuant to West Los Angeles College's "Standards of Student Conduct", all forms of cheating and plagiarism are absolutely forbidden. Since dishonesty in any form harms the individual, other students and the college, policies on academic integrity are strictly enforced. Students should read WLAC's publication on student conduct on cheating & plagiarism outlined in the College Catalog or at http://www.wlac.edu/academics/pdf/WLAC_Catalog08-10_Policies41-53.pdf

METHODS OF EVALUATION

CLASSWORK/WORKSHEETS/ASSIGNMENTS

Class work may be assigned at any time, and may or may not be collected. You have to be present and participating in order to receive credit. General participation will also count towards your grade, and non-attendance and/or non-participation will count negatively towards your grade.

Worksheets or Assignments may be assigned for homework. These are due on the due dates, no late work.

HOMEWORK

Homework is assigned for each section and should be completed daily before the next class meeting, according to the lectures and sections covered in class.

Homework is due on the due dates (exam days). Please read homework guidelines on the last page. As an allowance, one (and only one) homework packet may be turned in late (by the next class) with no penalty.

EXAMS

Four exams and a final exam make up the majority of your grade in this class. In general, you should be passing your exams in order to make satisfactory and consistent progress toward passing the class.

The exams will be given during the first half of class (1.5 hours). Be on time, no extra time will be given. There will be lecture for the second hour of class. Please be back in time for lecture if you take a break after the exam.

No make-up exams will be given under any circumstance. In the event of an emergency (with a valid document to prove it—e.g. hospital note, police report, court document, etc.), inform me right away **ON THE DAY** of the exam (by email or voicemail) in order to exercise the option below. You **MUST** provide the official document.

The cumulative final exam cannot be missed and must be taken on the college-scheduled date. (The final exam is an assessment of the student's mastery of the course material from the entire semester. As such, a score below 50% on the final exam may result in a non-passing grade for the course regardless of the student's overall percentage.)

In the final calculation of your grade, a higher final exam score may be used to replace ONE (lowest) exam score. If you missed an exam with a documented emergency and informed me on or before the exam day, the final exam score will replace the missed exam (this option can only be used for one missed exam; you will receive a score of zero for additional exams missed.) If you missed an exam without a documented emergency or did not inform me by the exam day, you will receive a score of zero *that cannot be replaced*.

Please be patient for exams to be graded and returned. It will usually take at least 2 weeks.

BASIS OF GRADING:				OVERALL GRADING SCALE:	
Course requirements are <u>weighted</u> as follows:				The course grade will be determined as follows:	
The BETTER of:				(Adjustments may be made at instructor's discretion)	
Classwork/ Worksheets	5%	Classwork/ Worksheets	5%	A	90% – 100%
Homework	10%	Homework	10%	B	80% – 89%
4 exams	60%	3 best exams	45%	C	70% – 79%
Final Exam	25%	Final (replacing lowest exam)	40%	D	55% – 69%
Total	100%	Total	100%	F	below 55%

STUDENTS WITH DISABILITIES:

I encourage students requesting disability-related accommodations to contact Disabled Student Services as soon as possible. An early notification of your request for test-taking and/or other accommodations is necessary to ensure that your disability related needs are addressed appropriately. HRLC 119 (phone 310-287-4450)

HOMEWORK GUIDELINES (Be prepared, be organized, be successful!)

Success is not final, failure is not fatal: it is the courage to continue that counts. -John Wooden

Failure to prepare is preparing to fail. - John Wooden

Tools:

- **BEST type of paper to use:** College-ruled filler/binder paper. IF you use notebook paper and tear it out, please REMOVE frayed edges before submission.
- **BEST type of pencil to use:** Mechanical/automatic pencil 0.5mm. If you use regular pencils, make sure to sharpen it! Avoid using pens for work. Have an eraser.
- **Straightedge/ruler:** For drawing lines neatly.
- **Colored pen:** Have a red/blue/green pen available for corrections and comments.
- **Stapler:** All homework MUST be stapled.
- **Binder with dividers:** To keep homework, activities, notes, quizzes/exams organized.

HW write-up guidelines (your homework will NOT be graded if these are not followed):

- Start each section on a new page. Write the textbook section number and assigned problems at the top of the page. Keep pages organized. You can use both sides of the paper.
- Do not crowd problems together. Most problems should take up a substantial amount of space. Work successive problems below the previous one, not to the right.
- Number your problems clearly. Leave a line in between problems.
- Write out solutions neatly, step-by-step, according to the format shown in class or in the book. Work and explanations should be clear, well-thought-out, and organized. Diagrams, pictures, and graphs should be sketched neatly and exhibit important behaviors relevant to the problem.
- CHECK answers in the back of the textbook or solutions manual *after* you have tried the problems:
 - After every few problems, check your answers to make sure you're on the right track.
 - Use a colored pen to correct your work. If you got a problem wrong, redo it correctly, writing comments about where you went wrong/what you should take note of.
 - Mark problems that were difficult for you so you can return to these problems for review.
 - Mark problems that you couldn't complete. ASK right away (in class if time allows, office hours, tutors, classmates), and once you have an idea or seen the solution, try to redo it yourself.
- Application/word problems do not need to be copied out, just write out the solution completely.
- ALL WORK must be shown neatly and legibly.
- *If work is not shown with the correct steps or if it is too messy, you will not receive credit.*
If ANY part of your homework contains only final answers with no work, the entire homework packet will receive no credit.
- **Homework sets must be stapled in order, and frayed edges removed (or just use binder paper!).**
- **The homework cover page MUST be filled out (honestly) and stapled on the front of your packet.**
- **Check out www.purplemath.com and read the article "How to suck up to your teacher"!!**

*Homework that shows signs of copying (whether from the answers or someone else) will receive no credit.

If ANY part of your homework contains only final answers with no work, the entire homework packet will receive no credit. Excessive copying will be treated as academic dishonesty.

-----cut or tear with ruler here-----

Your continued attendance in this course constitutes an acknowledgement and acceptance of the requirements as stated in this syllabus.

SIGNED: _____ Date: _____

Math 262 Calculus II, Textbook: Stewart 5th edition

(VERY) TENTATIVE SCHEDULE

subject to change

Week	Date	Topics
		*Note: Prerequisite topics from Precalculus, Trigonometry, and Calculus 1 are expected to have been mastered previously. If your calc. 1 foundation wasn't solid, please reserve time to review topics as they arise. I will be happy to work with you during office hours.
1	T 9/2	Welcome and Introductions
	Th 9/4	7.1, 7.2
2	T 9/9	7.3, 7.4
	Th 9/11	7.4 continued, 10.4
3	T 9/16	7.5, 7.6
	Th 9/18	8.1, Review
4	T 9/23	Exam 1 (7.1-7.6, 10.4), HW DUE 8.1 continued
	Th 9/25	8.2, 8.3
5	T 9/30	8.4, 8.5
	Th 10/2	8.7, 9.1
6	T 10/7	9.2, 9.3
	Th 10/9	11.1, Review
7	T 10/14	Exam 2 (8.1-8.5, 8.7, 9.1-9.3), HW DUE 11.1 continued
	Th 10/16	11.2
8	T 10/21	11.3
	Th 10/23	11.4, 11.5
9	T 10/28	11.6
	Th 10/30	7.7, Review
10	T 11/4	Exam 3 (11.1-11.6), HW DUE 7.7 continued
	Th 11/6	7.7 continued, 8.8
11	(T 11/11)	Holiday (Veteran's Day)
	Th 11/13	12.1
12	T 11/18	12.2
	Th 11/20	12.3, 12.4
13	T 11/25	12.5, 12.6
	(Th 11/27)	Holiday (Thanksgiving)
14	T 12/2	12.6 continued, 12.7
	Th 12/4	12.8, 12.9
15	T 12/9	Exam 4 (7.7, 8.8, 12.1-12.7), HW DUE 12.10
	Th 12/11	12.11, 12.12
16	T 12/16	Review
	Th 12/18	FINAL EXAM (Cumulative) 7:15-9:50 PM