

MATH 3B - Calculus & Analytical Geometry
MTWTh 9:20-10:30 am, SM 7
Section 16478, Spring 2012

INSTRUCTOR: Betty Weiss
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Course Description: This is a 5-unit course, transferable to UC and CSU, for students who have passed Math 3A with a C or better or have a qualifying score on the placement test and proof of Calculus I. The course covers applications of integrals, methods of integration, infinite series, calculus of polar and parametric equations, and conic sections.

Student Learning Outcomes:

1. Apply the techniques of integration to solve problems involving integrals of algebraic and transcendental functions.
2. Analyze convergence and divergence of sequences and series.
3. Define, describe, and solve problems involving conic sections and the polar coordinate system.

Textbook: "Calculus, Early Transcendentals" by Soo T. Tan, 1st Edition, ISBN 9780495114826. The electronic book comes with WebAssign. You do not have to buy a physical copy of the textbook, though a lot of students find it helpful to have one during this course and as a reference when taking future coursework.

Calculator: You will need to have a graphing calculator. We recommend the Texas Instruments TI-83+ or TI-84.

Office Hours: I am available at these times to help you with your coursework, so please drop by or call whenever you have questions or want to talk to me about the class. No appointment is needed for these times; other days & times to meet can also be arranged.

MTWTh	8:30-9 a.m. in SM 3B
W	2-3:15 p.m. in SM 5 (Math Resource Center)

COURSE REQUIREMENTS AND GRADES

HOMEWORK:

- You will be doing your homework using the online system WebAssign. **You still need to work out the problems on paper, like traditional homework, but you will submit the final answers electronically to get immediate feedback on your progress. You will then show me the work you did on paper at the next class.** To get credit, your work must be well organized and written out fully, just as you would do if you were going to turn it in. I'd recommend that you keep your work in a spiral notebook & bring the notebook to class each day, labeling each homework section.
- Homework will be graded for timeliness, completeness and correctness. If you are struggling to keep up, please ask me for help right away!

- If your online homework is late, you will receive partial credit. You have until the next exam date to turn in late homework. After the exam that covers those sections, you will not be able to get credit for those homework assignments.

EXAMS: There will be 4 exams, all on Thursdays. The dates are **February 23, March 15, April 12, and May 3.**

FINAL EXAM: The cumulative final exam will be **Monday, May 21, 9:40-11:40 a.m.**

COURSE GRADE: Your course grade will be a weighted average:

Exams:	60%	GRADE SCALE:	
Homework:	20%	A 90-100%	D 60-69%
Final Exam:	20%	B 80-89%	F 0-59%
		C 70-79%	

ANGEL: Updates on your grades will be posted on the Angel website <http://wvmccd.angellearning.com>.

Be sure to log into Angel early in the semester and regularly to check on your progress and to see course announcements, exam review problems, and handouts you might find helpful. You can also communicate with me through Angel email, if you wish.

IF YOU NEED HELP: If you are having trouble with the course material, please come see me right away. The Math Resource Center (Room SM 5) and the Tutorial Center (behind the library) are staffed by a combination of faculty and student tutors for free drop-in help. Free one-on-one tutors are available with a referral from me.

DROPPING THE COURSE: It is your responsibility to withdraw by notifying the Office of Admissions and Records. If you do not drop by the deadline, you may receive a failing grade in the course even if you have stopped attending.

Feb. 17 - Last day to drop with no grade April 27 - Last day to drop with a W grade

ATTENDANCE & BEHAVIOR: I expect you to come to class regularly, to arrive on time and to stay until class is dismissed. Remain focused on coursework, participate actively in course-related discussions and group work, and show maturity and respect for others in your words and actions. Cheating will not be tolerated and will result in a 0% score. Communication devices must be set to a silent mode during class. Do NOT use cell phones for any reason while you are in class, even as a calculator.

STUDENTS WITH DISABILITIES: West Valley College makes reasonable accommodations for persons with documented learning or physical disabilities. Students should notify the Disability and Educational Support Program (DESP) at (408) 741-2010 (voice) or (408) 741-2658 (TTY) of any special needs (for extended test time, etc.) as soon as possible.

SAFETY ISSUES: In the event of an emergency or drill, such as for a fire or earthquake, listen for instructions from your instructor.