



MATH 5A – CALCULUS
Spring 2013
Kathleen Uyekawa

WEBSITE: <http://www.pccmathuyekawa.com>

The website is where you will find announcements, assignments, handouts, and useful links. You should check it often. If you ever have a question about the class, ALWAYS LOOK HERE BEFORE EMAILING ME.

Office : R322K Phone : (626) 585-7125 email: mkuyekawa@pasadena.edu
Office Hours: MTThF 6:30-7:00 A.M. in the classroom, M 12:30-3 and Th 1:20-2:20 p.m. in R322K

Course Description: Topics to be covered include: Algebraic, trigonometric, exponential and logarithmic functions; inverse functions; zeros and graphs of functions; inequalities; matrices; determinants; and topics in analytic geometry.

Prerequisites: Minimum grade of C in Math 9 or Math 7B (or its equivalent elsewhere plus passing score on the placement test). Possession of prerequisite skills is **vital** for success in this course. You must know trig. and algebra well. If you are repeating this course you should consider it your last try since petitions are required (and seldom granted) to enroll in this course for a third time. .

Text: STEWART, STEWART, Calculus, 7th Ed.

Attendance: Daily attendance is required. Excessive absences or tardiness may affect course grade. Ten hours of absence constitutes basis for dismissal from the course. Students missing class are responsible for finding out what they missed and what is due.

Grading : Grades will be determined based on the following percentages:

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|------------------|-------|
| Homework/Quizzes | 10 % |
| Tests | 60 % |
| Final exam | 30 %. |

Letter grades will be given based on the following percentages

| | |
|---------|---|
| 90-100% | A |
| 80-89% | B |
| 70-79% | C |
| 60-69% | D |
| below | F |

Homework/Quizzes: Homework will be assigned daily. Your homework grade will be determined in two ways: (1) your homework will be collected most days and checked for completion and/or (2) short, unannounced, quizzes may be given which often include problems taken directly from the homework assignment. So, the way to succeed on the homework portion of your grade (as well as in the class itself) is to do your homework neatly, completely, and consistently. Please note: no late homework will be accepted and no make-up quizzes will be given, even if you are absent for a valid reason. If you know you are going to be absent, you may turn in your assignment early or have a friend turn it in. If absolutely necessary, you may scan and email your homework to me on the day it is due. This should be kept to a minimum however.

Exams: If you know ahead of time that you will be absent on the day of an exam, it is sometimes possible to arrange to take it early, but NO make-up exams will be given.

- 4 - 5 tests will be given .
- A final exam will be given . This exam will be two hours long and will cover ALL course material. This Exam will be Friday, March 1st.

Where to get HELP

There are SO MANY FREE opportunities for you to get help if you make the effort. Take responsibility for your learning and seek assistance if needed. It is very important to request help as soon as difficulties arise. If you wait a week before getting help on a concept, you may be too far behind to recover. Here are some of your options:

- My office hour. Office hours are a great time to get individualized help, unfortunately it is not possible for me to repeat entire lectures, teach lacking prerequisite skills or provide daily personal tutoring during this time. It would be helpful if you could come to my office hours organized and prepared with specific questions. The office hour is also a good time to discuss your concerns regarding the course and your performance. Again, come as soon as concerns arise.
- Tutoring. The college offers some free tutoring. More information will be made available in the first few weeks of class. Students needing more individualized help can seek private tutoring.
- Study Groups. Forming study groups with classmates is one of the BEST ways to be more successful in this class. Besides, it can make studying more fun!
- Class Facebook Group Page. Classmates are your best resource.
- Online Resources. There are SO MANY really GOOD resources online. See my LINK page for suggestions
- The Library. Hang out in the QA section.
- The Math Path Room V017
- Other services on campus: Health, DSPS, Mental Health, etc

Calculator Usage: A scientific calculator is required. Graphing calculators will not be used in this class.

Personal Conduct

You are expected to be actively involved in your education. This includes being alert in class and participating in class discussion. A good attitude on your part makes the class much more enjoyable. It is expected that you refrain from activities that could be distracting to your classmates or to me. This includes talking while I am talking, playing with cell phones, sleeping etc..

ACADEMIC INTEGRITY: In a learning environment such as Pasadena City College, it is vital that we create an atmosphere of mutual trust. Cheating, plagiarism, falsifying information, and related behaviors destroy the very essence of learning and will not be tolerated. Any such action will adversely affect your grade and will lead to disciplinary action by the College. By enrolling in this class, you agree to comply with the *Student Conduct and Academic Honesty Policy* (No. 4520 - www.pasadena.edu/IPRO/Policies/pcc_4520.pdf). Violations of conduct in class or on campus are subject to disciplinary review. Students caught cheating may be given an F in the course and reported to the Dean of Students.

Student Learning Outcomes

SLO #1. Demonstrate understanding of the rigorous definition of the limit, and use limit laws and appropriate theorems to compute limits.

SLO #2. Demonstrate understanding of continuity and related properties and theorems.

SLO #3. Use the definition and apply the properties and theorems of differentiation and integration to calculate derivatives and integrals.

SLO #4. Demonstrate understanding of the relationship between differential and integral calculus via the Fundamental Theorem of Calculus.

SLO #5. Solve various application problems, including graphing functions, using calculus techniques.