

Course: **MATH-101A-04 (051932)**      **Calculus With Analytic Geometry**

When/Where: 10:45AM - 12:00PM MTWTh      @ Room 6205

Instructor: Chieko Honma  
 Office: Room 8301  
 Phone: (510) 979-7447  
 Website: [www.ohlone.edu/people/chonma/](http://www.ohlone.edu/people/chonma/)  
[www.ohlone.edu/instr/math/](http://www.ohlone.edu/instr/math/) (Math Department website)  
 Office Hour: MW 1:00PM-2:00PM @ MLC (HH218/219)  
 TTh 12:15PM-1:45PM @ Room 8301

Prerequisites: Math 188 (Pre-Calculus) with grade of "C" or better or equivalent

Student Learning Outcome: The student will:

1. Compute limits using numerical, graphical, and algebraic methods.
2. Differentiate algebraic, trigonometric, logarithmic, exponential, and inverse trig functions.
3. Apply differentiation to problems in the areas of geometry, physics, engineering, and business, including slopes of tangent lines and rates of change.
4. Integrate algebraic, trigonometric, and exponential functions using introductory techniques.
5. Apply integration to finding the area under a curve.
6. Demonstrate logical thinking, correct use of notation, and mathematical precision in formulating and solving problems in the above areas.
7. Apply the appropriate use of a graphing calculator to each of the above areas.

Textbook: *Calculus Early Transcendental Functions*, 3rd ed., Smith and Minton, 2007, McGraw-Hill  
 ISBN: 0073229733 (complete text), 0072870303 (single variable only)

Calculator: TI graphing calculators are recommended. No cell phone is allowed for exams and quizzes. Also, you are not allowed to share a calculator.

Homework: Several problems will be assigned for each section and some of them will be discussed in class. Parts of homework will be collected. **Your work must be written neatly on straight edged papers. All papers must be stapled together.** Unstapled papers will be deducted 30%. Like any physical or mental activity, you learn math by doing it. You should plan on spending at least 3 hours a day on reading and homework. **NO LATE WORK WILL BE ACCEPTED.**

Quizzes: Several short quizzes will be given throughout the semester. Quizzes are based on lecture and homework. **No make-up quizzes will be given;** however, your lowest quiz score will be dropped.

Midterms: Four chapter tests will be given. **A make-up exam is given only if you have a very serious reason and only when the arrangement is made in advance.** If you are unable to take an exam for a very serious reason, you must contact me immediately. The final exam will replace the missed midterm. If you do not contact me within 24 hours, you will receive **ZERO** for the exam. No exam score is dropped; however, your highest exam score will be **doubled**. Sample exams are available at [www.ohlone.edu/instr/math/tests.html](http://www.ohlone.edu/instr/math/tests.html).

Final Exam: A comprehensive final exam will be given at 9:30AM on Monday, May 14. You must take the final exam in order to pass this class. If you do not take the final exam, you will receive an **F** for the course.

Grading: Your grade will be determined by the following percentages:

- A: 90% and over
- B: 80% to 89%
- C: 70% to 79%
- D: 60% to 69%
- F: under 60%

The grade distribution is as follows:

Midterms	50%
Quizzes	20%
Homework	5%
Final	25%

Attendance: It is very important to attend class regularly in order to pass this class successfully. If you miss even one day, there is a lot to catch up. Although attendance is not officially included in the grade distribution, your attendance and participation are always taken into consideration.

Withdrawal: It is your responsibility to drop from the class officially. However, I **may** drop you from the class if you are absent for more than five class meetings and have not contacted me. If you fail to drop before the deadline and your name appears on the final grade roster, you will automatically receive an **F**.

Class Etiquette: I would like you to enjoy the class; yet, this is not a social hour. In order for our class to proceed smoothly, I ask you to follow some class etiquette.

- Be on time. If you are late, enter the classroom without disturbing other students.
- Turn off your cell phones, pagers, and any music players before coming to class.
- Do not talk unless you are allowed to do so.
- Be respectful to other students.

Important Days: Last day to drop without grade recorded: Sunday, February 5  
Last day to drop with a **W**: Friday, April 20

Notes: Help is available. You can come to me during my office hours or go to the Math Center (Hyman Hall), where instructors and tutors are waiting to help you. Also, it is good to form a study group with your classmates. You will learn a lot by talking about problems with other people.

Math Learning Center Hours  
M-Th: 9:00AM-6:30PM  
F: 9:00AM-1PM

Academic Dishonesty:

Cheating will not be tolerated at any time. Looking at someone else's exam, helping another student during an exam, talking to another student during an exam, or using an external source of information will result in an **F** for the course. See the note on Academic Dishonesty in a course schedule for details.