

MATH 135: Pre-Calculus



Mon, Wed: 6:30pm-8:45pm
Section 1098
Fall 2009

Instructor: Dr. Lemee Nakamura
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Office Hours: M, W: 6:00-6:20pm
Tue, Thurs: 2:50-3:30pm
Or by appointment

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Prerequisite: The prerequisite for Math 135 is a qualifying score on the Math Competency Exam (MCE) Test, or Math 130 with a grade of "C" or better, or concurrent enrollment.

Course Description: A study of functions and their properties. Topics include linear, quadratic, polynomial, rational, trigonometric, exponential and logarithmic functions; systems of equations and inequalities; conics.

Student Learning Outcomes:

1. Students should be able to analyze a rational function and synthesize the appropriate features to display a clear and accurate graph.
2. Students should be able to solve exponential and logarithm equations by applying the appropriate property of logarithms.
3. Students should be able to analyze, recognize, and manipulate equations of conic sections to construct and appropriate and concise graph.

Required Text: Sullivan, "*PRECALCULUS, Enhanced with Graphing Utilities*", 4th edition, Prentice Hall (2006) ISBN 0-13-149092-3

Calculators: Although calculators will **not** be allowed on some tests, the use of a graphic calculator is required. In general, the Math Department recommends the TI-83, or TI-83 Plus.

Grading Procedure:

1. **Homework:** Homework assignments will be given in class on weekly basis and will be collected every other Wednesday at the very beginning of the class period. I expect assignments to be legible and neatly organized.

Late homework will not be accepted for full credit. At the end of the semester, I will drop two lowest homework scores.

Note: The completion of every graded homework assignment is important to your success in this class. Do not fall behind. Catching up just before a test is extremely difficult!

2. **Quizzes:** You will be given a quiz every Wednesday either at the very beginning of the class, before/after the break, or at the end of the lecture. The quiz will be based on your homework problems and topics discussed during the lectures. **Make-up quizzes will NOT be allowed under any circumstances.** I will drop two lowest quiz scores at the end.

3. **Exams:** There will be 5 exams and a final exam. Exams may be given early to students if the circumstances warrant. Please see me at least one week before the scheduled exam date if you wish to take an exam early. **Make-up exams will NOT be allowed!!** Hence, it is extremely important that you are aware of the exam dates which I will announce in class (I will let you know at least a week in advance). Hence, your attendance is extremely important. Please remember that there are **NO dropped exams** in this course. Thus, a missed exam counts as a zero.

Exam #1: Sections 1.1~1.5 and 2.1~2.7

Exam #2: Sections 3.1~3.7

Exam #3: Sections 4.1~4.6

Exam #4: Sections 9.2~9.4

Exam #5: Sections 10.1, 10.5, 10.6, 11.1, 11.3, 13.1, 13.2

Final Exam: December 14th (Monday) 7:30pm-9:30pm

*All students must take the final exam, or they will receive an **F** in this course*

Your course grade will be based on the following:

Homework: 7.5% (after dropping two lowest homework scores)

Quizzes: 7.5% (after dropping two lowest quiz scores)

Exams: 60% (total of 5 exams)

Final Exam: 25%

<u>Grade</u>	<u>Total Points</u>
A	90.00-100%
B	80.00-89.99%
C	70.00-79.99%
D	60.00-69.99%
F	Below 59.99%

Incomplete Grade: Students seeking an "Incomplete" grade must consult with me no later than the week prior to finals. Incompletes will only be considered for unforeseeable, emergency and justifiable reasons at the end of the term, and only upon agreement of conditions for completing coursework.

Pass/No Pass Grade Option: You have the option to choose Pass/No Pass grading for this class. If you choose this option, you must submit a Petition for Pass/No Pass to Admissions & Records by 9/25/09. This option for grading is nonreversible once selected. The petition form is available online, or from Admissions & Records. Students planning to transfer should consult with a counselor before opting for Pass/No Pass to ensure this option is accepted by their intended transfer institutions. Check the MiraCosta College catalog or schedule for more detailed information.

School Holidays: Sept. 7th (Mon), Nov. 13th (Fri), Nov. 26,27th (Thurs, Fri)

Important Dates:

-Deadline to drop class with no record and receive refund: 9/5/09

-Deadline to file for Pass/No Pass grading option: 9/25/09

-Deadline to drop with a "W" grade (Withdraw): 11/20/09

Attendance Policy: Attendance is an important element in your academic success, especially because **you will be given your homework assignments and the exam dates in class.** If you miss a class, it is your responsibility to learn

the material covered the day of your absence and get the homework assignments and other important information. Office hours may NOT be used to repeat lectures given on class days that you missed. If you miss a class, you must give the assignment due on that day to me personally before class, or another student may turn it in for you during class.

Being Dropped from Class: You may be dropped from class if you miss more than two lectures. You may also be dropped from class if you are absent on an exam day. If you are ill or have an emergency on the day of the exam, you must speak with me on that day or earlier.

Cell Phones: To demonstrate respect for the rights of others in the classroom, please turn off cell phones or set to vibrate only. If your cell phone or pager "rings," please leave the classroom immediately.

Courtesies:

- When your instructor is speaking, refrain from talking to your neighbors. The noise is distracting and disruptive.
- While in class, focus on mathematics. Save personal conversations for outside the classroom.
- When working with other class members, please be encouraging, positive, and helpful. Be sensitive to the feelings of others. Please avoid criticism and teasing or joking that might be hurtful to others. RESPECT your classmates.

Keys to Success:

1. **Ask questions in class:** Please take advantage of my class hours if you need help. If you cannot ask questions in class for some reason, please ask me before or after class. Please do not hesitate to ask. You may also reach my office by phone and email.

2. **Getting Help:**

- a. **Tutoring/Learning Communities:** Free tutoring is available in the Tutoring Center located in the Library and Information Hub.

- b. **Study Groups:** Get together with other class members and form a study group which meets regularly to do homework and study.
- c. **MLC Assistance/Computer tutorials:** Instructors and aids in the MLC are available to answer homework questions that you may have.

Accommodation of Disability: Students with disabilities, whether physical, learning, or psychological, who believe that they may need accommodations in this class, are encouraged to contact Disabled Students Programs & Services as soon as possible to ensure that such accommodations are implemented in a timely manner. Their phone number is 795-6658 and they are located in Building 3000-Student Services, Room 3009, adjacent to Parking lot 3C.

Academic Honesty: I fully support MiraCosta College's belief that academic honesty is a cornerstone of the educational community. To that end, I demand academic honesty of my students. Students who bring unauthorized material to an exam or copy from someone else's exam/homework will receive a zero on the exam/homework and will not be allowed to drop or replace that exam/homework. This class will be conducted in accordance with MiraCosta College's policy on "Rights and Responsibilities of Students and Staff Members," and basic standards of academic honesty. Cheating, plagiarism, or other forms of academic dishonesty are not acceptable and will not be tolerated. Students are expected to respect and obey standards of student conduct while in class, or on the campus. Charges of misconduct and disciplinary sanctions may be imposed upon those who violate these standards of conduct, or provisions of college regulations.

**I look forward to getting to know each of you.
Good luck, enjoy the course, and
Let's have a great semester!!!**

