



**Imperial
Valley
College**

**Math 190: Pre-Calculus
CRN 20239 / 5.0 units
Spring 2013 Course Syllabus**

Instructor: Caroline Bennett

Office Hours: By appointment

Email: caroline.bennett@imperial.edu

Lecture: 2700 Bldg, Room 2725

Tuesday / Thursday

6:30 – 9:00 p.m.

TEXT (required): Precalculus, 4th Edition by Blitzer

OPTIONAL:

A MathXL access code. This comes as an insert when you buy a new textbook. MathXL assignments will be posted only for practice, but will not be worth any points. If you are interested in online practice but have never used MathXL, please ask.

A scientific calculator is highly recommended. A graphing calculator may be helpful, but is not required. Graphing calculators may not be used on exams. Graphing calculators may be used for homework and in-class activities.

COURSE DESCRIPTION: This course is a review of numerical, analytical, and graphical properties of functions for students intending to continue further studies in Calculus. Additional topics include: Trigonometric functions, inverse functions, conic sections, sequences and series, and mathematical induction.

STUDENT LEARNING OUTCOMES:

Upon successful completion of this course, a student will demonstrate the ability to:

1. Compute the difference quotient of a given function $f(x)$. (ILO2)
2. Solve a triangle using the appropriate trigonometric laws. (ILO2)
3. Solve application problems involving logarithmic and exponential functions. (ILO2)
4. Find roots of polynomials of degree 3 or higher. (ILO2)
5. Apply function operations both algebraically and graphically. (ILO2)

EVALUATION:

In-class assignments and quizzes	100
Collected homework	100
4 exams x 150 points each	600
Final Exam (comprehensive)	<u>+200</u>
	1000

GRADING SCALE

900 – 1000	A
800 – 899	B
700 – 799	C
600 – 699	D
Below 600	F

The grade that is earned, according to the point scale above, is the grade that will be received. Grades are not subjective. Grades are not negotiable. All students will be treated equally.

ATTENDANCE is crucial to your success in this course. You are expected to attend every class and **remain during the entire class**. If your unexcused absences exceed the number of hours this class meets per week (5 hours), I may drop you from the course. **Leaving class early not only counts as an absence, but it will also cost you points.**

That being said, if you intend to drop the class, you should never *assume* the instructor has dropped you if you stop showing up. It is your responsibility to ensure that you have dropped through WebSTAR by the deadline (April 13, 2013) to receive a “W” instead of a failing grade.

Any in-class activities or worksheets that are missed due to an absence CANNOT be made up. Furthermore, on quizzes and exams you are responsible for all material covered in class, regardless of whether or not you were here. Therefore, if you do miss class, you should be sure to obtain any missed worksheets or other materials from the instructor, and obtain lecture notes from a classmate.

HOMEWORK should always be taken seriously in a math class. Math is a skill that you become better at by **practicing it**. Coming to class and taking good notes is important, but doing homework is what deepens your understanding, sharpens your skills, and “makes it stick”. Homework also helps you assess your own problem areas. When you struggle with homework problems, it will help you to ask more informed questions during the following class (instead of just saying “I’m lost” or “I can’t do this”), so that I can better help you.

Collected homework assignments are distributed as handouts. Optional assignments will be posted on MathXL for students who wish to use them for practice. The textbook also offers practice problems (which I may suggest in class or on Blackboard), with answers to the odd exercises. Although only the handout homework is graded and recorded, the text and MathXL problems provide very useful practice. If math is difficult for you, then more practice is always better. Here are some more tips:

- 1) Form a study group and work homework problems together with classmates.
- 2) If there is a particular homework problem you would really like to see done on the board, ask me at the beginning of class. I will try to accommodate requests if there is time; if there is not sufficient time, we can arrange to meet after or outside of class for help.
- 3) Take advantage of the free tutoring at the Math Lab and become a regular there.

EXAMS closely reflect the material covered in class and on the homework. A tentative exam schedule is provided in this syllabus; however, exam dates (with the exception of the final exam) may be subject to change, in accordance with the pace of the class. If an exam date is changed, you will be notified sufficiently in advance, both in class and on the Blackboard announcements page.

MAKE-UPS: There are no make-up exams. Do not miss a scheduled exam. There are also no “dropped” exam scores. Every exam counts toward your final grade.

CLASSROOM CONDUCT:

- **School is place to act with respect.** Remember that different students have different paces and styles of learning, and that all students have the right to ask questions in class. As a student, you have the right to a safe and comfortable learning environment. You do not have the right to impinge on other students' learning. Talking or other disruptive classroom behavior WILL affect your grade. If the disruptive behavior continues, you will be referred to the Dean of Student Affairs for further action.

"IN-CLASS" POINTS:

- You don't receive points for attending class or lose points for missing class. However, several in-class activities and quizzes will be worth participation points which you can only receive if you are in class that day, for a total of 100 possible points. Any activities you miss by being absent CANNOT be "made up".

- While the majority of your overall grade comes from exam scores, your in-class points do make up 10% of your grade (one full letter grade). Unlike exam points and homework points, **in-class points can be both earned and lost**, according to the rules outlined here.

- **How to lose participation points:**

- **Talking** or being otherwise **disruptive** during class (-5 points)
- **Leaving class early** (-10 points)
- **Cell phone** ringing, or leaving class to answer your cell phone, or texting in class...
 - First offense: Warning
 - Second offense: -20 points. You can earn up to 20 of these points back by writing a 5-page paper on a topic selected from a list I will provide for you.
 - 3 or more offenses: -20 points each time, with no chance to earn them back
- Turn OFF all cell phones and electronic devices before class, and especially during exams.
- Cell phones that are on "vibrate" mode are STILL DISRUPTIVE.
- Leaving the room to answer cell phones that are in "silent" mode is disruptive and unacceptable. Take care of private calls/texting on your own time.
- The use of text messaging or other electronic devices for cheating on tests will be treated with the same seriousness as any other form of cheating (see ACADEMIC INTEGRITY below).

ACADEMIC INTEGRITY: Cheating and plagiarism (using as one's own ideas writings, materials, or images of someone else without acknowledgment or permission) can result in any one of a variety of sanctions. Cheating on an exam will result in a grade of "0" for that exam, plus a referral to the Dean of Student Affairs for possible further action. Multiple offenses can result in suspension or expulsion from the class. Please refer to the Standards of Student Conduct on p. 41 of the 2012 – 2013 General Catalog.

STUDENTS WITH DISABILITIES: Any student with a documented disability who may need educational accommodation should notify the instructor and the Disabled Student Programs and Services (DSP&S) office as soon as possible. DSP&S is located in the 2100 building. (760) 355 – 6313 ; TDD: 355 – 4174

SEMESTER OUTLINE AND SCHEDULE: (* With the exception of the Final Exam, these dates are tentative and subject to change with advance notice!)

Tuesday	Thursday	Weekly Goals
1/15 First day of class	1/17	Chapter P; 1.1 – 1.3
1/22	1/24	1.4 – 1.9
1/29	1/31	1.9 – 2.4
2/5	2/7 Exam 1	2.4; Review, Exam
2/12	2/14	2.5 – 3.1
2/19	2/21	3.1 – 3.5
2/26	2/28	Chapter 4 Review
3/5	3/7 Exam 2	Trig ID's review; Review, Exam
3/12	3/14	5.5; 6.1 – 6.4
3/19	3/21	6.5 – 6.7; 7.1 – 7.3
3/26	3/28 Exam 3	7.4 – 7.6; Review, Exam
4/2 ☺ S P R I N G	4/4 B R E A K ☺	
4/9	4/11	9.1 – 9.5
4/16	4/18	10.1 – 10.3
4/23	4/25 Exam 4	Review, Exam
4/30	5/2	10.4 – 10.5
5/7	5/9 FINAL EXAM	Review; Final

IMPORTANT DATES AND DEADLINES:

January 26	Last day to withdraw without owing fees and/or be eligible for a refund Last day to add a class
January 27	Last day to withdraw without course appearing on transcripts (without receiving a "W")
April 13	Last day to withdraw and receive a "W"
May 9	Final Exam

CAMPUS RESOURCES:

Math Lab

Building 2500

Mon. – Thurs.: 8 a.m. – 9 p.m.

Friday: 8 a.m. – 5 p.m.

Saturday: 8 a.m. – 1 p.m.

(760) 355 – 6160 x6160

Study Skills Center

Located in the Library

Mon. – Thurs.: 9 a.m. – 5 p.m.

Friday: 9 a.m. – 3 p.m.

(760) 355 – 6384

“Never regard your study as a duty, but as the enviable opportunity to learn to know the liberating influence of beauty in the realm of the spirit for your own personal joy and to the profit of the community to which your later work belongs.” -- Albert Einstein