

Department of Science, Math and Engineering
Imperial Valley College
Imperial, CA 92251

**Math 190- Precalculus
Syllabus
Fall 2012**

Instructor: Andrés Noguez

Contact Information:

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- * Office: N/A
- * Office Phone: N/A
- * Office Hours: By Appointment
- * **A minimum of 24 hours notice need to be given for the appointments.**

Course Information: * Lectures: Tuesdays and Thursdays 6:30pm-9:00pm, Room 2725
* CRN: 10458
* Credit Units: 5

Course Materials:

- Textbook: (REQUIRED) Precalculus, 4th edition by Robert Blitzer
ISBN-13: 978-0-321-55984-5
- Math XL (REQUIRED)
The Course ID for your course is: XL0Z-I 1SC-601Y-1NV2
- TI-83 graphing calculator (REQUIRED)

Course Description: This 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, and sequences and series.

Prerequisites: Math 140 with a grade of C or higher or equivalent or appropriate placement.

Course Objective: Upon satisfactory completion of the course, students will be able to:

1. Demonstrate a solid knowledge of the general concepts of functions.
2. Demonstrate the ability to work with polynomial and rational functions in the complex number system.
3. Demonstrate a working knowledge of exponential and logarithmic functions.
4. Demonstrate knowledge in the formulation of analytic trigonometry.
5. Demonstrate the ability to solve application problems involving trigonometry.
6. Demonstrate a strong foundation in the introduction to trigonometry.
7. Demonstrate skills in analytic geometry.
8. Demonstrate basic knowledge of sequences and series.

SLO

(student learning outcomes): Upon course completion, the successful student will have acquired new skills, knowledge, and/or attitudes as demonstrated by being able to:

1. Compute the difference quotient of a function.
2. Solve triangles using appropriate trigonometric laws.
3. Solve applications problems involving logarithmic and exponential functions.
4. Finding roots of polynomials of degree 3 or higher.
5. Apply function operations both algebraically and graphically.

Homework:

There will be homework exercises assigned through MathXL. It is your responsibility to check the due dates on the homework; these dates will be displayed when you log in to MathXL. Mathematics is an active sport: the more you practice it, the better you get at it.

DSP&S:

Any student with a documented disability who may need educational accommodations should notify the instructor or the Disabled Student Program and Services (DSP&S) office as soon as possible. Room 2117, Health Sciences Building (760) 355-6312.

IVC POLICIES

- Under IVC policy, students are expected to attend every session of class in which they are enrolled. If a student is unable to attend the course or must drop the course for any reason, **it will be the responsibility of the student to withdraw from the course. I will not drop you from the course.** If the **student does not withdraw** from the course and fails to complete the requirements of the course, **the student will receive a failing grade.**
- Any student with a documented disability who may need educational accommodations should notify the instructor or the Disabled Student Programs and Services (DSP&S) office as soon as possible. The DSP&S office is located in Room 2117, in the Health Sciences Building. Their phone number is (760) 355-6312.
- Student Responsibilities and Expectations: You are expected to attend class on a regular basis. Make sure you come to every class meeting. You will find it very hard to succeed in this class if you do not come to class regularly. Make sure that you read ahead in the textbook and that you work out the problems that I have assigned. Part of your work will be done in groups. You cannot learn mathematics without doing the problems. Math is like playing the piano; the more you practice, the better you get (as long as you're practicing correctly).

Grading:

11 Homework sets* @ 10 points each 100 (one counts as extra credit)

4 Tests @100 points each 400 (See calendar below for dates)

Final (cumulative) 200(See calendar below for dates)

Total 700

*Each set would consist of 50 to 150 exercises, depending on the material

Grading Scale: The standard grading scale will be used: 90%=A, 80%= B, 70%-C, 60%=D, less than 60% will result in the grade of F.

630-700 points = A
560-629 points = B
490-559 points = C
420-489 points = D
Zero –419 points = F

Learning resources: Your instructor, the tutors at the library and at the Math Lab

Below is a **tentative** schedule for this class:

WEEK	DAY	SECTIONS
1	08/21 T	Intro, review, 1.1-1.2
	08/23 R	1.3 - 1.5
2	08/28 T	1.6 - 1.8
	08/30 R	HW 1, 1.9 – 1.10
3	09/04 T	HW 2, 2.1 – 2.3
	09/06 R	2.4 - 2.7
4	09/11 T	T 1, HW 3
	09/13 R	2.8 – 3.1
5	09/18 T	3.2 - 3.4
	09/20 R	3.5 – 4.2
6	09/25 T	HW 4, 4.3 – 4.6
	09/27 R	4.7 - 4.8
7	10/02 T	T 2, HW 5
	10/04 R	5.1 - 5.3
8	10/09 T	5.4- 5.5
	10/11 R	HW 6, 6.1 – 6.3
9	10/16 T	6.4 – 6.6
	10/18 R	6.7- 7.2
10	10/23 T	T 3, HW 7
	10/25 R	7.3 - 7.4
11	10/30 T	7.5 - 8.1
	11/01 R	HW 8, 8.2 – 8.4
12	11/06 T	8.5, 9.1
	11/08 R	9.2, 9.3
13	11/13 T	HW 9, 9.4, 9.5, 10.1
	11/15 R	10.2 - 10.4
14	11/20 T	T 4, HW 10
	11/22 R	NO CLASS (Thanksgivings)
15	11/27 T	10.5
	11/29 R	Review/catch-up
16	12/04 T	FINAL EXAM
	12/06 R	NO CLASS