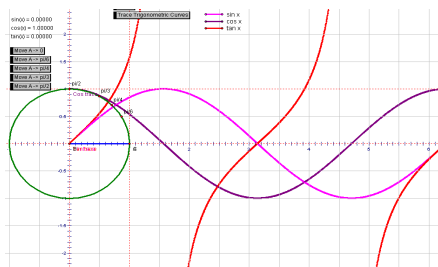


# Math 140 Trigonometry Imperial Valley College Fall 2009

**Class Number:** 10477 (3 credit units)  
**Room:** 510  
**MW 6:30pm-7:55pm**

**Instructor:** Rick Castrapel  
**Phone:** (760) 355-6505  
**Office:** Room 3201C  
**Email:** [rick.castrapel@imperial.edu](mailto:rick.castrapel@imperial.edu)  
**Web Site:** <http://www.imperial.edu/rick.castrapel>  
**Textbook:** Trigonometry with MathXL, 9<sup>th</sup> Edition, Lial  
**Office Hours:** MW 10:30-11:30, TTh 12-1, T 5:30-6:30 or by appointment



- Student Learning Outcomes:**
- 1) Be able to verify trigonometric identities
  - 2) Solve a triangle given two sides and the angle in between.
  - 3) Demonstrate ability to graph trigonometric functions
  - 4) Show understanding in solving trigonometric equations
  - 5) Be able to solve application problems

**Prerequisites:** MATH 90 or equivalent college course with "C" or better, or eligibility determined by math placement process.

**Calculator:** A scientific calculator such as the TI30XA, Sharp EL531R, or Casio FX260, is required. A TI 83/84 is recommended. You may not share calculators during tests. Come to exams prepared. I am not a lending library for calculators.

**Cell Phones:** Keep cell phones turned off during class. You may not use a cell phone as a calculator during tests.

- Keys to Success:**
1. Attitude, Attitude, Attitude
  2. Attend Class Regularly
  3. Do Your Homework
  4. Study

**Keeping Up:** Don't let yourself fall behind. If you feel you are slipping, **SEE ME**. This is **urgent**. It is my goal and that of the Imperial Valley College Math Dept. that you succeed. Sign up for free tutorial service offered by the **Math Lab room 2500**.

**Homework:** In mathematics, homework is crucial. Homework will be done online using MathXL, except Section 5.2 which will be done on paper. You can purchase MathXL either online or at the bookstore.

**Lab:** Some classes will take place in the Math Lab room 2500. See the schedule. These are part of the course, attendance is mandatory.

**Dropping:** You may be dropped from this class if you miss the first day or if you miss three or more class sessions total. The last day to drop this class is Nov 13. After that date, I must give you a letter grade. It is your responsibility to drop, not mine.

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

**Grading:** There will be 4 midterm tests, worth 100 points each. The lowest score of the midterm tests will be dropped. There will be a comprehensive final exam worth 100 points. Labs are 100 points total. Your homework is worth 200 points total. **No early or make-up tests will be given.**

## Grading Policy

Midterm Tests	300 points
Math XL Homework	150 points
Section 5.2 Homework	50 points
Labs	100 points
Final Exam	100 points
<b>Total</b>	<b>700 points</b>

## Grading Scale

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

**Academic Integrity** is assumed and necessary. Disruptive students will be required to leave the class for the day. Continued disruptive behavior, cheating or plagiarism will be reported to the Dean of Student Affairs for disciplinary procedures which may result in severe academic penalty. See the college bulletin for details.

## Math 140 Fall 2009 Tentative Schedule

Date	Text	Event	Notes
08/24/09	1.1	Course Introduction	
08/26/09	1.2, 1.3		
08/31/09	1.4, 2.1		
09/02/09	2.2, 2.3		
09/07/09		Holiday	Labor Day
09/09/09	2.4, 2.5		
09/14/09		LAB Room 2500	Properties of Triangles
09/16/09		Exam 1	Chapters 1 and 2
09/21/09	3.1		
09/23/09	3.2		
09/28/09	3.3		
09/30/09		LAB Room 2500	The Unit Circle
10/05/09	4.1		
10/07/09	4.2		
10/12/09	4.3		
10/14/09		LAB Room 2500	Trigonometric Functions
10/19/09		Exam 2	Chapters 3.1-3.3 and 4.1-4.3
10/21/09	5.1		
10/26/09	5.2		Paper Homework for Section 5.2
10/28/09	5.3		
11/02/09	5.4		
11/04/09	5.5		
11/09/09		Holiday	Veterans Day
11/11/09	5.6		
11/16/09		Exam 3	Chapter 5
11/18/09	6.1, 6.2		
11/23/09	6.3, 6.4		
11/25/09	7.1, 7.2		
11/30/09	7.3		
12/02/09		Exam 4	Chapters 6, 7.1-7.3
12/07/09	Final Exam	Comprehensive Final	