Basic Course Information

Semester:	**Fall 2015**	Instructor Name:	**Jill Nelipovich**
Course Title & #:	**Trigonometry**	Email:	**jill.nelipovich@imperial.edu**
CRN #:	**10131**	Webpage (optional):	**Blackboard**
Classroom:	**2723**	Office #:	**2768**
Class Dates:	**8/17/15 – 12/9/15**	Office Hours:	**M: 9:45 – 10:15 (Math Lab)** **5:30 – 6:30** **T: 7:30 – 8:00 a.m.** **W: 5:00 – 6:30 p.m.** **Th: 7:30 – 8:00 a.m.**
Class Days:	**MW**	Office Phone #:	**760-355-6297**
Class Times:	2:00 p.m. – 3:25 p.m.	Emergency Contact:	**Math Office: 760-355-6155**
Units:	4		

Course Description

Topics include right angle trigonometry and applications, unit circle trigonometry, graphs of trigonometric functions, inverse trigonometric functions, trigonometric identities, solving triangles by using the Law of Sines and Cosines, and polar coordinates.

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. Verify trigonometric identities (ILO2)
2. Solve triangle, given two sides and an angle between. (ILO2)
3. Show understanding in solving trigonometric equations (ILO2)

Course Objectives

Upon satisfactory completion of the course, students will be able to:
1. Define the six trigonometric functions using right triangle and unit circle definitions.
2. Express angles in degrees and readians.
3. Graph trigonometric functions, including those involving vertical and horizontal translations.
4. Solve triangles using the Law of Sines and Law of Cosines, including ambiguous cases.
5. Verify trigonometric identities, including the sum and difference formulas, half-angle and power-reducing formulas.
6. Define and graph inverse trigonometric functions.
7. Solve trigonometric equations.
8. Graph polar coordinates and equations.
9. Solve application problems.

Textbooks & Other Resources or Links

TEXT (REQUIRED): Lial, Hornsby, Schneider (2012). Trigonometry (10th edition). ISBN: 978-0321671776

Calculator: A scientific calculator is required. No graphing calculator or cell phones, IPADS, etc. are allowed on exams.

Course Requirements and Instructional Methods

Homework: Must, Must, Must, Must complete in a timely manner. If you do not do homework tonight, you will not understand tomorrow's class.

Your first homework assignment will be to take your algebra test given today and learn the material. It is crucial that you earn 100% on this assignment.

Form study groups.

Exams -- Chapter exams with 2 cumulative questions

Quizzes – Daily Quizzes that are directly from class lecture

Projects – Selected Problems from homework

Out of Class Assignments: The Department of Education policy states that one (1) credit hour is the amount of student work that reasonably approximates not less than one hour of class time and two (2) hours of out-of-class time per week over the span of a semester. WASC has adopted a similar requirement.

Course Grading Based on Course Objectives

Exams – 5 (100 points each)	500 points		A: 900 - 1000	
Homework	75 points		B: 800-899	
Daily Quizzes + Projects	125 points		C: 700-799	
Algebra Test	50 points		D: 600-699	
Final Exam	250 points		F: < 600	

Extra Credit: There will be an extra credit assignment at the end of the semester. To qualify for the extra credit assignment:
1. **Daily quizzes – missed 2 at most**
2. **Earn 90% or above on daily quizzes (you get to use your notes)**
3. **All homework complete when I have "homework checks"**
4. **All homework complete when it is turned in – with work, not copied down answers from the book.**
5. **Projects turned in ON TIME**

Attendance

- A student who fails to attend the first meeting of a class or does not complete the first mandatory activity of an online class will be dropped by the instructor as of the first official meeting of that class. Should readmission be desired, the student's status will be the same as that of any other student who desires to add a class. It is the student's responsibility to drop or officially withdraw from the class. See General Catalog for details.
- Regular attendance in all classes is expected of all students. A student whose continuous, unexcused absences exceed the number of hours the class is scheduled to meet per week may be dropped. For online courses, students who fail to complete required activities for two consecutive weeks may be considered to have excessive absences and may be dropped.
- Absences attributed to the representation of the college at officially approved events (conferences, contests, and field trips) will be counted as 'excused' absences.

Classroom Etiquette

- Electronic Devices: Cell phones and electronic devices must be turned off and put away during class, unless otherwise directed by the instructor.
- Food and Drink are prohibited in all classrooms. Water bottles with lids/caps are the only exception. Additional restrictions will apply in labs. Please comply as directed by the instructor.
- Disruptive Students: Students who disrupt or interfere with a class may be sent out of the room and told to meet with the Campus Disciplinary Officer before returning to continue with coursework. Disciplinary procedures will be followed as outlined in the General Catalog.
- Children in the classroom: Due to college rules and state laws, no one who is not enrolled in the class may attend, including children.

Academic Honesty

Academic honesty in the advancement of knowledge requires that all students and instructors respect the integrity of one another's work and recognize the important of acknowledging and safeguarding intellectual property.

There are many different forms of academic dishonesty. The following kinds of honesty violations and their definitions are not meant to be exhaustive. Rather, they are intended to serve as examples of unacceptable academic conduct.

- Plagiarism is taking and presenting as one's own the writings or ideas of others, without citing the source. You should understand the concept of plagiarism and keep it in mind when taking exams and preparing written materials. If you do not understand how to "cite a source" correctly, you must ask for help.
- Cheating is defined as fraud, deceit, or dishonesty in an academic assignment, or using or attempting to use materials, or assisting others in using materials that are prohibited or inappropriate in the context of the academic assignment in question.

- Anyone caught cheating or plagiarizing will receive a zero (0) on the exam or assignment, and the instructor may report the incident to the Campus Disciplinary Officer, who may place related documentation in a file. Repeated acts of cheating may result in an F in the course and/or disciplinary action. Please refer to the General Catalog for more information on academic dishonesty or other misconduct. Acts of cheating include, but are not limited to, the following: (a) plagiarism; (b) copying or attempting to copy from others during an examination or on an assignment; (c) communicating test information with another person during an examination; (d) allowing others to do an assignment or portion of an assignment; (e) using a commercial term paper service.

Additional Student Services

Imperial Valley College offers various services in support of student success. The following are some of the services available for students. Please speak to your instructor about additional services which may be available.

- Math Lab – Room 2500 (next to the gym)
  The Math Lab offers walk-in tutoring. The lab is not set up for individualized appointments. There are several computers to utilize to assist in completing online homework.
- **Blackboard Support Site.** The Blackboard Support Site provides a variety of support channels available to students 24 hours per day.
- **Learning Services.** There are several learning labs on campus to assist students through the use of computers and tutors. Please consult your Campus Map for the Math Lab; Reading, Writing & Language Labs; and the Study Skills Center.
- **Library Services.** There is more to our library than just books. You have access to tutors in the Study Skills Center, study rooms for small groups, and online access to a wealth of resources.

Disabled Student Programs and Services (DSPS)

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 Building 2100, telephone 760-355-6313. Please contact them if you feel you need to be evaluated for educational accommodations.

Student Counseling and Health Services

Students have counseling and health services available, provided by the pre-paid Student Health Fee.
- **Student Health Center.** A Student Health Nurse is available on campus. In addition, Pioneers Memorial Healthcare District and El Centro Regional Center provide basic health services for students, such as first aid and care for minor illnesses. Contact the IVC Student Health Center at 760-355-6310 in Room 2109 for more information.
- **Mental Health Counseling Services.** Short-term individual, couples, family, and group therapy are provided to currently enrolled students. Contact the IVC Mental Health Counseling Services at 760-355-6196 in Room 2109 for more information.

Student Rights and Responsibilities

Students have the right to experience a positive learning environment and to due process of law. For more information regarding student rights and responsibilities, please refer to the IVC General Catalog.

Information Literacy

Imperial Valley College is dedicated to helping students skillfully discover, evaluate, and use information from all sources. The IVC Library Department provides numerous Information Literacy Tutorials to assist students in this endeavor.

Anticipated Class Schedule/Calendar

Week/Date	Activity/Assignment and/or Topic	Week/Date	Activity/Assignment and/or Topic
Week #1		**Week #10**	
8/17	Introduction, 1.1	10/19	**Exam 3 – Chapter 5**
8/19	Chapters 1.2, 1.3	10/21	Chapter 6.3, 7.1
Week #2		**Week #11**	
8/24	Chapters 1.4, 2.1	10/26	Chapter 7.2, 7.3
8/26	Chapters 2.2, 2.3	10/28	Chapters 7.4, 7.5
Week #3		**Week #12**	
8/31	Chapters 2.4, 2.5	11/2	Chapter 8.1/Review
9/2	Chapter 3.1, 3.2	11/4	**Exam 4 – Chapters 6 & 7**
Week #4		**Week #13**	
9/7	Holiday	11/9	8.2, 8.3
9/9	**Exam 1: Chapters 1 & 2**	11/11	Holiday
Week #5:		**Week #14**	
9/14	Chapters 3.3, 3.4	11/16	8.4,8.5
9/16	Chapters 4.1, 4.2	11/18	Catch up
Week #6:		**Week #15**	
9/21	Chapters 4.3, 4.4	11/23	Holiday
9/23	Chapters 5.1, Review	11/25	Holiday
Week #7:		**Week #16**	
9/28	**Exam 2: Chapters 3 and 4**	11/30	Review
9/30	Chapters 5.2, 5.3	12/2	**Exam 5 - Chapter 8**
Week #8:		**Week #17**	
10/5	Chapter 5.4,5.5	12/7	Review
10/7	Catch up	**12/9**	**Final Exam**
Week #9:			
10/12	Chapter 5.6,6.1		
10/14	Chapters 6.2/Review		