Basic Course Information

Semester:	**Summer 2017**	Instructor Name:	**Jill Kitzmiller**
Course Title & #:	**Math 140: Trigonometry**	Email:	**Jill.kitzmiller@imperial.edu**
CRN #:	**30121**	Webpage (optional):	
Classroom:	**2722**	Office #:	**2768**
Class Dates:	**6/19/2017 – 7/27/2017**	Office Hours:	
Class Days:	**M,T,W,TH**	Office Phone #:	**(760) 355 - 6296**
Class Times:	10:00– 12:15	Who students should notify if emergency other than absence	**(760) 355- 6155**
Units:	3		

Contacting the Instructor

I will be available during office hours for personal discussion. I endeavor to listen to voice-mail and look at email each day when I am on campus. I DO NOT look at email on the weekends (Friday- Sunday) or on holidays. I do not respond to email regarding absences, unless it is long term. I do not discuss grades over email; this must be done in person.

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 Laws of Sines and Cosines, and polar coordinates.

Textbooks & Other Resources or Links

MATHXL ACCESS CODE: (required): This comes as an insert if you purchase a new text. If you choose not to purchase a new book, you may purchase the access code online OR at the IVC bookstore. **A handout with instructions on registering with Math XL, as well as the necessary course ID number will be provided and is also posted on Canvas.**

TEXTBOOK (recommended): Lial, Hornsby, Schneider (2012). Trigonometry (10^{th} /e). Boston: MA Pearson/PH. ISBN: 978-0321671776

CALCULATOR: A scientific calculator is required. NO graphing calculators or cell phones on exams.

WORKSHEETS: We will be using worksheets in class which will also be available on Canvas. You can print your own copies or use the online file on your phone/ computer in class.

Student Learning Outcomes

Given a problem or a set of problems, the student will demonstrate problem solving strategies by identifying an appropriate method to solve a problem, correctly set up the problem, perform the appropriate analysis and computation, and share their interpretation of the conclusion or the outcome, using correct grammar or in an oral presentation.

Course Objectives

1. Define the six trigonometric functions using right triangle and unit circle definitions.
2. Express angles in degrees and radians.
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 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.

Pace of Course and Tips for Success

This course moves rapidly coving the material from one semester in 6 weeks. You should expect to spend at least 2 – 4 hours on homework after every class meeting. If you are having difficulty with the material, get help. You can get help from me during class or in the Math Lab or Library Services Study Skills Center. Work with others outside of class, form a study group if possible. You are responsible for all material in assigned chapters and all material covered in lecture, even if you are absent, so find someone in class to make you copies of the notes & materials if you cannot be in class.

You cannot learn all of the material by just showing up to class. Math is a skill that you can become good at by practicing it. It is critical that you read the material, do the homework and ask questions. Homework helps you asses your own problem areas. It also what makes the material "stick in your head". It is an extremely bad idea to wait until the weekend to start your homework. You will not be able to remember everything done in class. One of the best things you can do is reserve a time slot every day devoted to working on math. Avoid falling behind in the material, reading and homework. If you fall behind it will be difficult to catch up.

Course Requirements and Instructional Methods

Prerequisite: Math 91 with a grade of C or better, or equivalent.

In class instructional method is lecture based with in class worksheets and practice problems that correspond to the material covered in lecture. Evaluation is based on in class examinations and out of class homework assignments.

EXAMS: There will be three in class exams (150 points each) and one comprehensive final examination (150 points). Exams are closed book/closed note and each student must work independently. There are **no make-up exams**. Plan now to be in class on the date of the exams. Any missing exam grade will be recorded as a "0". Your lowest test score will be replaced by the final exam (assuming that grade is higher). This can be done only one time. **Note: The final exam is cumulative and mandatory for all students.**

HOMEWORK: There will be homework assigned for each chapter in the book. Homework will be done online. **It will be difficult to pass the class if you do not complete any homework!** You must purchase the access to the website and then you may use you own personal computer with internet access or use a computer in the Math Lab or Library to complete the assignments. There are 100 points assigned for homework. **Homework grade will be given at the end of the course based on your completed work.** A 90% or greater score is needed for full credit on any assignment. Any assignment scoring 70% and 90% will receive half credit. Any assignment with less than 70% complete will receive 0 points.

PROJECTS: There will be several class projects and handouts that will be collected for credit during the semester. The class projects may be done in groups and will be completed outside of class. The handouts may be done during class or assigned as homework. There is NO MAKE-UP for these handouts. If you are absent or leave class for any reason, then you will miss the opportunity to turn in the assignment.

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

GRADING

To receive a passing grade of "C" or better, you must have 560 points or more based on:

Homework (Math XL)	100 points
Class projects/handouts	100 points
Exams	450 points
Final	150 points
Total	800 points

Breakdown: 720 & up = A, 640 - 719 = B, 560 – 639 = C, 480 - 559 = D, below 559 = F.

Points in this course are earned and grades are given according to the point scale above. Grades are not subjective. Grades are not negotiable. All students will be treated equally.

Incomplete Grade

To receive a final grade of incomplete, you must be passing the class and be unable to take the final exam.

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. See General Catalog for details.
- **It is the student's responsibility to add, drop or officially withdraw from the class**.
- 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.

Online Netiquette

- What is netiquette? Netiquette is internet manners, online etiquette, and digital etiquette all rolled into one word. Basically, netiquette is a set of rules for behaving properly online.
- Students are to comply with the following rules of netiquette: (1) identify yourself, (2) include a subject line, (3) avoid sarcasm, (4) respect others' opinions and privacy, (5) acknowledge and return messages promptly, (6) copy with caution, (7) do not spam or junk mail, (8) be concise, (9) use appropriate language, (10) use appropriate emoticons (emotional icons) to help convey meaning, and (11) use appropriate intensifiers to help convey meaning [do not use ALL CAPS or multiple exclamation marks (!!!!)].

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.

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.

- **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.

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 provide basic health services for students, such as first aid and care for minor illnesses. Contact the IVC Student Health Center at 760-355-6128 in Room 1536 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

6/19 Introduction 1/1, 1.2	6/20 1.3, 1.4	6/21 2.1, 2.2	6/22 2.3, 2.4
6/26 3.1, 3.2	6/27 3.3, 3.4	6/28 4.1, REVIEW	6/29 EXAM 1
7/3 4.2, 4.3	7/4 HOLIDAY	7/5 4.4, 5.1	7/6 5.2, 5.3
7/10 5.4, 5.5	7/11 5.6, REVIEW	7/12 EXAM 2	7/13 6.1, 6.2
7/17 6.3, 6.4	7/18 7.1, 7.2	7/19 7.3, REVIEW	7/20 EXAM 3
7/24 8.2, 8.3,	7/25 8.4, 8.5	7/26 REVIEW	7/27 FINAL EXAM

*****Tentative, subject to change without prior notice*****

MathXL®

How to Register and Enroll in Your Course

Welcome to MathXL! Your instructor has set up a MathXL course for you.

The course name is: Math 140 - Summer 2017

It is based on this textbook: *Lial: Trigonometry, 10e*

To join this course, you need to register for MathXL and then enroll in the course.

1. Registering for MathXL

Before you begin, make sure you have the access code that comes with your MathXL Access Kit.

To register or buy access, go to www.mathxl.com, click the **Student** button in the Register section, and then follow the instructions on the screen.

2. Enrolling in your instructor's course

After registering, log in to MathXL with your username and password. To enroll in this course, enter the following Course ID:

The Course ID for your course is: XL2O-I1CK-501Z-1SC2

Need more help?

To view a complete set of instructions on registering and enrolling, go to www.mathxl.com and visit the Tours page.