IMPERIAL VALLEY COLLEGE

Basic Course Information

Semester:	**Fall 2023**	Instructor Name:	**Caroline Bennett**
Course Title & #:	**Math 042: Math 140 Support Course**	Email:	**caroline.bennett@imperial.edu**
CRN #:	**10799**	Webpage:	**N/A**
Classroom:	**Building 2700, Room 2723**	Office #:	**Building 2700, Room 2765**
Class Dates:	**08/15/23 – 12/07/23**	Office Hours:	**Mon/Wed: 1:00 – 1:30 pm** **Tues/Thurs: 12 – 1 pm; 3:45 – 4:15 pm**
Class Days:	**Tues / Thurs**	Office Phone #:	**(760) 355 - 6124**
Class Times:	**2:35 – 3:40 pm**	Emergency Contact:	**(760) 355 - 6155**
Units:	**1.0**	Class Format:	**Face-to-Face (on campus)**

Course Description

This course is intended for students to take concurrently with Math 140. Included will be the review of rectangular coordinate system; introduction to functions and graphs; factoring polynomials; solving linear and quadratic equations; operations on polynomial, rational and radical expressions. (Nontransferable, nondegree applicable)

Course Prerequisite(s) and/or Corequisite(s)

Prerequisite: Appropriate placement as defined by AB705 or, MATH 098 or MATH 091 with a grade of "C" or better.

Corequisite: Math 140

Textbooks & Other Resources or Links

MyMathLab (REQUIRED): All homework, quizzes, and exams will be completed through the online learning platform MyMathLab. Information, link, and instructional video on how to get enrolled in MyMathLab will be available in Canvas. If you are already familiar with MyMathLab, then you can get enrolled with the following Course ID Number: **bennett90509**

Calculator (REQUIRED): A scientific calculator is required for this course. You can determine whether your calculator is a scientific calculator by checking that it has "log", "ln", and "e^x" buttons. An inexpensive scientific calculator can be purchased for $10 - $15.

Textbook (OPTIONAL): Lial, Hornsby, Schneider, Daniels. 2016. *Trigonometry*, 11th ed. Pearson. ISBN: 978-0134217437 ; Since the textbook is available online through the MyMathLab platform, it is NOT required that you purchase a physical textbook.

Course Grading Based on Course Objectives

EVALUATION:

		GRADING SCALE	
Quizzes	100	200 – 250	Pass
Activities	+ 150	0 – 199	No Pass
	250		

This course is offered on a Pass/No Pass basis only.
A passing grade primarily entails attendance, participation, and demonstration of proficiency in the topics practiced.

NOTE: Grades are NOT posted in Canvas.

Student Learning Outcomes

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

Demonstrate problem solving strategies by identifying an appropriate method to solve a given 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. This outcome will be assessed through selected exercises on exams throughout the semester. (ILO1, ILO2)

Course Objectives

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

1. Represent a vector in the form $ai + bj$
2. Calculate powers and roots of complex numbers using DeMoivre's Theorem
3. Convert between polar and rectangular coordinates and equations
4. Evaluate and graph inverse trigonometric functions
5. Manipulate and simplify trigonometric expressions
6. Solve application problems
7. Graph polar equations
8. Solve trigonometric equations, triangles and applications
9. Verify trigonometric identities, including sum and difference formulas, half-angle and power-reducing formulas and prove trigonometric identities
10. Solve triangles using the Law of Sines and Law of Cosines, including ambiguous cases
11. Graph trigonometric functions, including those involving vertical and horizontal translations
12. Evaluate the trigonometric function of an angle in degree and radian measure
13. Define the six trigonometric functions using right triangle, the coordinate system and unit circle definitions

Course Requirements and Instructional Methods

CLASSWORK will be collected in each class (it may be either individual or a group work assignment). In order to earn full classwork/participation points, students are expected to be present and fully engaged in the class and its activities. Students who are actively engaged and putting their best foot forward will receive full classwork credit for the day.

The content of lecture and class activities will include pre-algebra and algebra review topics. We may also go over some additional examples from the current Math 140 lecture material.

QUIZZES closely reflect the material covered in class and on the homework. Quizzes will be graded, although they may be given on either an individual or a group basis.

Course Policies

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.

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 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) use of a commercial term paper service.

• The consequences of academic dishonesty are severe and may include the possibility of expulsion. For further information, refer to the Standards of Student Conduct on pp. 45-46 of the 2019-2020 General Catalog.

IVC Student Resources

IVC wants you to be successful in all aspects of your education. For help, resources, services, and an explanation of policies, visit http://www.imperial.edu/studentresources or click the heart icon in Canvas.

CANVAS LMS: Canvas is Imperial Valley College's Learning Management System. The Canvas Student Guides Site provides a variety of support available to students 24 hours per day. Additionally, a 24/7 Canvas Support Hotline is available for students to use: 877-893-9853.

IVC wants you to be successful in all aspects of your education. For help, resources, services, and an explanation of policies, visit http://www.imperial.edu/studentresources or click the heart icon in Canvas. Services include, but are not limited to:

- Tutoring Labs

- Career Services Center

- Child Development Center

- Student Counseling and Health Services

- Military and Veteran Success Center

- Extended Opportunity Program and Services (EOPS)

- Disabled Student Programs and Services

- Student Equity & Achievement Program*

- Library Services and Information Literacy

*What if I cannot afford food, books, or need other help?

The Student Equity & Achievement Program has many resources that are available to you. Please tell us what you need by submitting your request(s) here:

https://imperial.edu/students/student-equity-and-achievement/

IMPERIAL VALLEY COLLEGE

Anticipated Class Schedule/Calendar

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

Tuesday	Thursday	Math 140 Weekly Goals
8/15 **First day of class**	8/17	1.1 – 1.3
8/22	8/24	1.4; 2.1 – 2.2
8/29	8/31	2.3 – 2.4; 3.1
9/5	9/7	3.1 – 3.2
9/12	9/14 **MATH 140 EXAM 1**	4.1 – 4.2; exam
9/19	9/21	4.3 – 4.4
9/26	9/28	5.1 – 5.3
10/3	10/5	5.4 – 5.6
10/10	10/12 **MATH 140 EXAM 2**	Catch up; exam
10/17	10/19	6.1 – 6.2
10/24	10/26	6.3 – 6.4
10/31	11/2	7.1 – 7.2
11/7	11/9	7.2 – 7.3; 8.1
11/14	11/16 **MATH 140 EXAM 3**	8.2 – 8.3; exam
11/21 **H O L I D A Y**	11/23 **N O**	**C L A S S E S**
11/28	11/30 **MATH 140 MAKE-UP EXAM**	8.3 – 8.4, review, Make-Up Exam
12/5	12/7 **MATH 140 FINAL EXAM**	Review, Final Exam

IMPORTANT DATES AND DEADLINES:

August 26	Last day to add class
August 27	Last day to withdraw without course appearing on transcripts (without receiving a "W")
September 4	Holiday (Labor Day)
November 4	Last day to withdraw and receive a "W"
November 10	Holiday (Veterans Day)
November 30	Make-Up Exam
December 7	Final Exam (comprehensive)

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☆ ☆ **GET TUTORING HELP WHEN YOU HAVE QUESTIONS** ☆ ☆

1
Our class's **embedded tutor, Gilberto Melendrez**, will be holding free tutoring sessions for two hours each week (solely for students in our Math 140 class).

Tuesday/Thursday: 11:00 am – 12:00 pm

Location: IVC Library

2
The Learning Services Support Center is holding online tutoring both in person at the IVC Library and online through Zoom:
https://www.imperial.edu/students/learning-services/study-skills-center/

Or, simply click on **"IVC Tutoring"** from the menu on the left of our Math 140 Canvas page to their online tutoring. For both in-person and online tutoring, appointments are not necessary for "drop-in" sessions.

3
I will be holding office hours each week at the following days and times:

Monday/Wednesday: 1:00 – 1:30 pm

Tuesday/Thursday: 12:00 – 1:00 pm; 3:45 – 4:15 pm

Please note: Office hours are a time for additional questions, clarifications, further examples, etc., to supplement what was covered in class. Office hours are NOT to be used for repeating entire lectures for students who missed class. If you must be absent for any reason, it is your responsibility to catch up on whatever material you missed that day.

I do not provide copies of my lecture notes or videos for students who are absent; therefore, if you are absent, it will be necessary to catch up by obtaining lecture notes from a classmate, reading the textbook, and/or finding other resources to help you obtain the missed material.

"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