

Basic Course Information

Semester:	Spring 2020	Instructor Name:	Jeff Burt
Course Title & #:	Trigonometry Support-Math 042	Email:	Jeff.burt@imperial.edu
CRN #:	10799	Webpage (optional):	
Classroom:	2723	Office #:	2765
Class Dates:	8/15/22-12/10/22	Office Hours:	TBD
Class Days:	T/Th	Office Phone #:	760-355-6489
Class Times:	2:35pm-3:40pm	Emergency Contact:	email
Units:	1		

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. (Non-transferable, nondegree applicable)

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

Corequisite: Math 140

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. 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. Understand functions and relations
2. Factor polynomials
3. Perform operations on rational expressions.
4. Perform operations on radical expressions
5. Graph linear equations and identify x- and y - intercepts
6. Solve linear and quadratic equations

Textbooks & Other Resources or Links

Lial, Hornsby, Schneider, Daniels 2016. Trigonometry 11th. Pearson. ISBN-13: 978-0134217437
A scientific calculator is required. No graphing calculators are allowed on exams.

Course Requirements and Instructional Methods

The goal of this course is for you to gain the necessary skills and knowledge to do well, and improve your mathematical abilities, so you are able to succeed in future courses. My responsibility is to help you in any way I can to accomplish these goals, however it is your responsibility to be committed to your own success and keep up with the pace of the class. To do so you need to complete assignments on time and please ask questions when you have them.

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. This means you should plan on 3 hours of class time, plus an additional 6 hours each week for working outside of class. This means you should spend at least 9 hours working on math each week.

Course Rules:

- 1) Late work is not accepted. If you are going to be gone, contact me before the absence to make arraignments.
- 2) There are no make up tests.
- 3) It is your responsibility to drop or withdraw the class. Failure to do so will result in a regular grade (most probably an F).
- 4) Regular attendance is recommended and expected. The instructor can drop you from the class if you have more than the allowed number of absences.
- 5) You need to ask questions whenever you have them. If not in class, please come to my office during office hours, call me, email me, go to the math lab, google it, YouTube it, etc.
- 6) It is your responsibility to make up the work you missed if you are absent. I highly recommend finding someone else to copy notes and material from that were covered in your absence.

Course Grading Based on Course Objectives

Pass/No Pass Only

A passing grade is 70% or better on all in class assignments/quizzes.

Anticipated Class Schedule/Calendar

Week 1 8/15-8/19	Introduction Factoring
Week 2 8/22-8/26	Functions
Week 3 8/29-9/2	Radicals
Week 4 9/5-9/9	Review for Exam 1
Week 5 9/12-9/16	Basics of Graphing
Week 6 9/19-9/23	Graphing Intercepts
Week 7 9/26-9/30	Linear Equations
Week 8 10/3-10/7	Review for Exam 2
Week 9 10/10-10/14	More Factoring
Week 10 10/17-10/21	Quadratic Equations
Week 11 10/24-10/28	Rational Expressions
Week 12 10/31-11/4	Review for Exam 3
Week 13 11/7-11/11	Operations w/ rational exps.
Week 14 11/14-11/18	Factoring Quad. forms
Week 15 11/21-11/25	Thanksgiving Break
Week 16 11/28-12/2	Review for Exam 4
Week 17 12/5-12/9	Review for Final

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