

### Basic Course Information

Semester:	<b>Fall 15</b>	Instructor Name:	<b>Jeff Burt</b>
Course Title & #:	<b>College Algebra 150</b>	Email:	<b>jeff.burt@imperial.edu</b>
CRN #:	<b>10911</b>	Webpage (optional):	
Classroom:	<b>3203</b>	Office #:	<b>2765</b>
Class Dates:	<b>8/17/15 - 12/11/15</b> <b>Drop date: 11/7/15</b>	Office Hours:	<b>M - F 10:12-11:00 am</b>
Class Days:	<b>MWF</b>	Office Phone #:	<b>(760) 355 - 6489</b>
Class Times:	8:00-9:15am	Emergency Contact:	<b>Department Secretary</b> <b>(760)355-6155</b>
Units:	4		

### Course Description

A continuation of the study of algebra. Attention will be paid to polynomial and rational functions, Exponential and Logarithmic functions, and Matrix Algebra. Additional topics include systems of equations, Linear Programming, and Analytic geometry. (CSU) (UC credit limited. See a counselor)

### 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. Graph rational functions. (ILO2)
2. Solve a linear programming problem. (ILO1, ILO2)
3. Solve an application problem involving exponential growth or decay. (ILO1, ILO2, ILO4)
4. Perform vertical and horizontal transformations of a basic graph. (ILO2)

### Course Objectives

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

1. Solve Linear & Quadratic equations.
2. Graph Linear & Quadratic equations and use them to model real-world situations.
3. Recognize and graph conic sections
4. Solve equations involving Polynomial & Rational Functions.
5. Graph and model with Polynomial & Rational Functions.
6. Understand the theory of Exponential and Logarithmic functions.
7. Operate on Matrices.
8. Solve and model with Linear Systems of equations using matrix algebra.
9. Use Linear Programming in common business and science applications.

10. Solve non-linear systems of equations.

### Textbooks & Other Resources or Links

The text book is: College Algebra: Building Skills and Modeling Situations, McKeague. ISBN: 978-1-936368-16-7. A graphing calculator is also required. There is a lending program through the math lab. You pay for it at the financial office.

### 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 4 hours of class time, plus an **additional 8 hours each week** for working outside of class. This means you should spend **at least 12 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 arrangements.
- 2) There are **no** make-up exams.
- 3) It is your responsibility to drop or withdraw the class. Failure to do so will result in a regular letter 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

There will be six in class exams, worth 100 points each. The final is comprehensive and is also worth 100 points. There are **no make-ups** for the exam or final. Plan to be here for the exam dates in the schedule, but also note that those dates can change, so make sure you are paying attention and staying up to date. Any missed exam will result in the grade of a '0'. Your lowest exam score will be dropped. This can only be done once and does not apply to the final exam.

There will be 6 homework assignments each worth 17 points (so there are 2 extra credit points). Each assignment is due before the test covering the same material (i.e. the chapter 2 homework is due before the chapter 2 Exam). They will be graded as follows:

80% or more correct = 17 points	70% or more correct = 14 points	60% or more correct = 11 points
50% or more correct = 8 points	40% or more correct = 5 points	30% or more correct = 2 points
Less than 30% correct = 0 points		

## Grades

So there are then a total of 700 points for the class. 500 from exams, 100 from the final exam, and 100 from homework.

700 - 630 = A, 629 - 560 = B, 559 - 490 = C, 489 - 420 = D, below 420 = F

Attendance, class participation and a subjective instructor's interpretation of work may be used in assigning a final grade to borderline cases.

## 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.
- You are responsible for all the material covered in lecture, even when you are absent.

## 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.

- **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

	Day 1	Day 2	Day 3
Week 1 August 17 - 21	Chapter 1 Review	2.1	2.2
Week 2 August 24 - 28	2.3	2.4, 2.5	2.6
Week 3 Aug 31 – Sept 4	Exam 1	3.1	3.2
Week 4 September 7 - 11	Holiday	3.3	3.4
Week 5 September 14 – 18	3.5	Review	Exam 2
Week 6 September 21 – 25	4.1	4.2	4.4
Week 7 Sept 28 – Oct 2	Exam 3	5.1	5.2
Week 8 October 5 – 9	5.3	5.4	5.5

Week 9 October 12 – 16	5.6	Review	Exam 4
Week 10 October 19 – 23	6.1	6.2	6.3
Week 11 October 26 – 30	6.4	6.5.	6.6
Week 12 November 2 – 6	Exam 5	7.1	7.1
Week 13 November 9 – 13	7.2	Holiday	7.3
Week 14 November 16 – 20	7.4	7.5	7.6
Week 15 November 23 – 27	Holiday	Holiday	Holiday
Week 16 Nov 30 – Dec 4	7.7	Review	Exam 6
Week 17 December 7 - 11	Review for final	Final Exam (Possibly Friday)	

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