Basic Course Information

Semester:	**Fall 2019**	Instructor Name:	**Oscar J. Hernandez**
Course Title &#:	**Math 150**	Email:	**Oscar.hernandez@imperial.edu**
CRN #:	**11627**	Webpage(optional):	
Classroom:	**3112**	Office #:	**2767-1**
Class Dates	**08/20 – 12/10**	Office Hours	**M, W 9:15 – 10:15** **T, TH 13:35 – 14:35**
Class Days:	**T, TH**	Office Phone #:	**760.355.5739**
Class Times:	**14:40-15:45 (Support)** **15:55-18:00 (Lecture)**	Emergency Contact:	**Silvia Murray 760.355.6201 or Ofelia Duarte 760.355.6155**
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

College Algebra 7th ed. Robert Blitzer

Course Requirements and Instructional Methods

1. Tests: There will be three tests and there will be no make up tests given. Zeros will be given missed tests. You may use a scientific or graphing calculator.
2. Final Exam: The final exam will be given during the last week of classes. A score of 0 will be given if the final exam is missed.
3. Homework: Homework is assigned on Mymathlab (www.mymathlab.com) . It is student's responsibility to complete it on or before the due date.
4. There will be no extra points. Students must learn the material to pass this course.
5. Students will not be allowed to make up an exam or final exam unless you have a powerful reason to miss a test. (hospitalization, jury duty)

Course Grading Based on Course Objectives

The student's grade will depend on the following areas:

Semester Tests		***There will be 3 tests (100 points each test)***
Homework		***Homework (MyMathlab) (100 points)***
Final Exam		***Final Exam (200 points)***

All grades are calculated by using the standard scale of: A=100—90%, B=89—80%, C=79—70% D=69—60%, F = 59% and below.

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.
- 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 (!!!!)].

Academic Honesty

- 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.

- **Canvas Support Site.** https://community.canvaslms.com/docs/DOC-10701
- **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 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

Dates	Activity, Assignment, and/or Topic	Sections/ Tentative Dates/Tests
Aug 20 - 27	Chapter 1 Equations and Inequalities	1.2, 1.3, 1.5, 1.6, 1.7
Aug 29–Sep 10	Chapter 2 Functions and Graphs	2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7
September 12	**Test # 1 Chapters 1 and 2**	**September 12**
Sep 17 - 26	Chapter 3 Polynomial and Rational Functions	3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7
Oct 1 - 10	Chapter 4 Exponential and Logarithmic Functions	4.1, 4.2, 4.3, 4.4, 4.5
October 15	**Test # 2 Chapters 3 and 4**	**October 15**
Oct 17 - 29	Chapter 5 Systems of Equations and Inequalities	5.1, 5.2, 5.3, 5.4, 5.5, 5.6
Oct 31- Nov 12	Chapter 6 Matrices and Determinants	6.1, 6.2, 6.3, 6.4, 6.5
November 14	**Test # 3 Chapters 5 and 6**	**November 14**
Nov 19 - Dec 5	Chapter 7 Conic Sections	7.1, 7.2, 7.3
December 10	**Final Exam Chapters 1-7**	**December 10**

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