

### Basic Course Information

Semester	<b>Fall 2015</b>	Instructor Name	<b>Jill Kitzmiller</b>
Course Title & #	<b>Math 150</b>	Email	<b>jill.kitzmiller@imperial.edu</b>
CRN #	<b>10132</b>	Webpage (optional)	
Room	<b>2722</b>	Office	<b>2728</b>
Class Dates	<b>1/21/14 – 5/15/14</b>	Office Hours	<b>7:30 - 8 am M -TH, 9: 30 - 11M W</b>
Class Days	<b>M/W</b>	Office Phone #	<b>(760) 355 - 6296</b>
Class Times	<b>2:00 – 4:05pm</b>	Office contact if student will be out or emergency	<b>SME office (760) 355 - 6155</b>
Units	<b>4</b>		

### 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

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).

### Prerequisite

MATH 091 or MATH 090 with a minimum grade of C or better.

### 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, McKeagua. A graphing calculator is also required. There is a lending program through the math lab, you must pay for it at the financial office.

### Pace of Course and Tips for Success

This course moves rapidly covering the material equivalent to one year of math at the high school level, and meeting only twice each week. 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. In other words, **expect to spend 4 hours per week in the classroom AND at least 8 hours per week on homework for a 4 unit class**. You cannot learn all of the material by just showing up to class. It is critical that you read ahead and ask questions. Avoid falling behind in the material, reading and homework. If you fall behind it will be difficult to catch up.

You cannot learn mathematics without doing the problems. Stay organized, take good notes and read your notes after class. If you are having difficulty with the material, get help. You can get help from me during office hours or in the Math Lab. 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.

### Course Requirements and Instructional Methods

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

There will be six in class exams (100 points each) and one comprehensive final examination (100 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 dropped (excluding the final exam). This can be done only one time.

There will be homework assigned for each chapter (2 – 7) in the book. There are 100 points assigned for homework. **Homework will be due by the date of each exam.** No late homework will be accepted.

### Course Grading Based on Course Objectives

Homework will be worth up to 17 points per chapter (6 assignments) 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	

### GRADING

To receive a passing grade of "C" or better, you must have 350 points or more based on:

Homework	100 points
Exams	500 points
Final	100 points
Total	700 points

Breakdown: 630 & up = A, 560 - 629 = B, 490 – 559 = C, 420 - 489 = 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.

### Classroom Etiquette

- Electronic Devices: Cell phones and electronic devices must be turned off and put away during class unless otherwise directed by the instructor. **DO NOT TEXT. Texting during class is disruptive to your learning and students around you.**
- 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.
- Please be courteous of others: Try to be on time to class and avoid talking during lectures.

### Academic Honesty

- Plagiarism is to take and present 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 correctly 'cite a source', 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, or assisting others in using materials, which 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 School 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

### **Incomplete Grade**

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

### **Additional Help – Discretionary Section and Language**

- Blackboard support center: <http://bbcrm.edusupportcenter.com/ics/support/default.asp?deptID=8543>
- Learning Labs: There are several ‘labs’ on campus to assist you through the use of computers, tutors, or a combination. Please consult your college map for the Math Lab, Reading & Writing Lab, and Learning Services (library). Please speak to the instructor about labs unique to your specific program
- Library Services: There is more to our library than just books. You have access to tutors in the learning 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 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. We now also have a fulltime mental health counselor. For information see <http://www.imperial.edu/students/student-health-center/>. The IVC Student Health Center is located in the Health Science building in Room 2109, telephone 760-355-6310.

### **Student Rights and Responsibilities**

Students have the right to experience a positive learning environment and due process. For further information regarding student rights and responsibilities please refer to the IVC General Catalog available online at [http://www.imperial.edu/index.php?option=com\\_docman&task=doc\\_download&gid=4516&Itemid=762](http://www.imperial.edu/index.php?option=com_docman&task=doc_download&gid=4516&Itemid=762)

### **Information Literacy**

Imperial Valley College is dedicated to help students skillfully discover, evaluate, and use information from all sources. Students can access tutorials at <http://www.imperial.edu/courses-and-programs/divisions/arts-and-letters/library-department/info-lit-tutorials/>

Imperial Valley College Course Syllabus – Math 150

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Math 150 – College Algebra - Tentative Schedule – Fall 2015

Monday	Tuesday	Wednesday	Thursday
8/17 Introduction Chapter 1 review	8/18	8/19 2.1 / 2.2	8/20
8/24 2.3 / 2.4	8/25	8/26 2.5 / 2.6	8/27
8/31 Exam 1	9/1	9/2 3.1 / 3.2	9/3
9/7 HOLIDAY	9/8	9/9 3.3 / 3.4	9/10
9/14 3.5	9/15	9/16 Exam 2	9/17
9/21 4.1 / 4.2	9/22	9/23 4.4	9/24
9/28 Exam 3	9/29	9/30 5.1 / 5.2	10/1
10/5 5.3	10/6	10/7 5.4 / 5.5	10/8
10/12 5.6	10/13	10/14 Exam 4	10/15
10/19 6.1	10/20	10/21 6.2 / 6.3	10/22
10/26 6.4 / 6.5	10/27	10/28 6.6	10/29
11/2 Exam 5	11/3	11/4 7.1	11/5
11/9 7.2	11/10	11/11 HOLIDAY	11/12
11/16 7.3 / 7.4	11/17	11/18 7.5 / 7.6	11/19
11/23 HOLIDAY	11/24 HOLIDAY	11/25 HOLIDAY	11/26 HOLIDAY
11/30 7.7	12/1	12/2 Exam 6	12/3
12/7 Review for Final	12/8	12/9 FINAL	12/10