Basic Course Information

Semester	**Fall 2014**	Instructor Name	**Allyn Leon**
Course Title & #	**College Algebra, Math 150**	Email	**allyn.leon@imperial.edu**
CRN #	**10437**	Webpage	**http://imperial.blackboard.com** **http://www.xyztextbooks.com**
Room	**2722**	Office	**2760**
Class Dates	**08/18/2014 - 12/09/2014**	Office Hours	**Mon/Wed 12:50 - 1:20** **Tues/Thurs 10:30 - 12:00**
Class Days	**Monday and Wednesday**	Office Phone #	**760-355-6523**
Class Times	**3:05 pm to 5:10 pm**	Office contact if student will be out or emergency	**Send me an email OR leave a message on my office phone.**
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.

Student Learning Outcomes
By the end of this course, you will be able to (1) graph rational functions, (2) solve a linear programming problem, (3) solve an application problem involving exponential growth or decay, and (4) perform vertical and horizontal transformations of a basic graph. These outcomes will be assessed through selected exercises on exams throughout the semester.

Course Objectives
Through various activities and assessments, students will:
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
1. **Textbook:** College Algebra: Building Skills and modeling Situations by McKeague, Yoshiwara, and Burzynski, xyz textbooks Publisher. You will have a couple options for the textbook.
    a. **Option 1:** You may purchase the textbook new.
    b. **Option 2:** You may purchase the book used.

2. **Calculator:** A basic calculator, like a TI-30 (costs around $10) is recommended, or you can go with a graphing calculator, like the TI-83 or TI-84; it really depends on what other math or science classes you plan on taking later on.

Important Dates
Last day to add the class: **Saturday 08/30/2014**
Last day to withdraw from the class with a "W": **Saturday 11/08/2014**
See the schedule on the last page for important quiz and test dates!

Course Requirements and Instructional Methods
Homework: There will be *exercises* assigned from every section that we cover **FOR PRACTICE ONLY**. You will not turn these in. These homework exercises can be completed out of the textbook or within the MathTV homework system.

Project: There will be a project involving an application of one or more topics from this course. Detailed instructions and available topics will be given after Test 1.

Quizzes: There will be ten (10) short quizzes given throughout the semester, to be taken in class. Most will cover a few sections and will have 2-5 exercises for you to complete.

Tests: There will be three (3) tests during the semester. Tests 1 & 2 will take place at the end of short clusters of topics. See the schedule below. Test 3 is the final. **There will be no make-up exams**. If you miss any exam, it will be recorded as a zero, and **the final exam percentage** will be used to replace that score at the end of the semester. If you miss the final, it will be recorded as a zero.

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.

Course Grading Based on Course Objectives
Your grade will be calculated based on the following items:

10 Quizzes @ 25 points each	250 points	~25%
Project @ 100 points	100 points	~10%
Test 1 & Test 2 @ 200 points each	400 points	~40%
Test 3 (Final) @ 250 points	250 points	~25%
Total	1000 points	100%

Your final grade will be based on the following points and percentages:

90% to 100%	900-1000 points	A
80% to 89%	800-899 points	B
70% to 79%	700-799 points	C
60% to 69%	600-699 points	D
Below 60%	Below 600 points	F

The **Blackboard Gradebook** is where you want to go to check your grades and progress. You can do this at any time to get an idea of how you are doing in the class.

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: Please keep your cell phones on silent and/or vibrate while we're in class.
● Food and Drink are prohibited in all classrooms. Water bottles with lids/caps are the only exception. Additional restrictions will apply in labs. Water only, please.
● 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

- 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.

Additional Help

- 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

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/

Tips for Successs

1. **Pace yourself, and keep up.** Take a look at the anticipated class schedule of topics, readings, assignments, and tests above. This is a guide to help you keep pace with course materials. Come to class, take notes, and work on the suggested practice (from the book OR from MathTV).
2. **Watch the videos** that are available for each section that is supposed to be covered. Within MathTV there should be various videos and animations associated with each section that we cover. Watching these should help you learn the material. Youtube is also a great resource!
3. **Practice.** If you don't practice you're not going to get it...end of story!
4. **Form a study group.** Having a group of people that you discuss and work out problems with is a great way to learn.
5. **Ask questions.** Part of learning anything, including math, is not understanding, and asking questions so that the material makes sense. If something in class does not make sense, ask.

Anticipated Class Schedule / Calendar

Week #	Date	Readings & Assignments	Quizzes & Tests
1	08/18	Introduction	
	08/20	Sections 2.1 & 2.2	**Quiz 1 (Syllabus)**
2	08/25	Sections 2.2 & 2.3	
	08/27	Sections 2.4 & 2.5	**Quiz 2 (Sections 2.1-2.3)**
3	09/01	**Labor Day (No Class)**	
	09/03	Sections 2.5 & 2.6	
4	09/08	Sections 3.1 & 3.2	**Quiz 3 (Sections 2.4-2.6)**
	09/10	Sections 3.2 & 3.3	
5	09/15	Sections 3.4 & 3.5	**Quiz 4 (sections 3.1-3.3)**
	09/17	Sections 3.5 & 4.1	
6	09/22	Section 4.1 & 4.2	
	09/24	Review for Test 1	
7	09/29	None/Test 1	**Test 1 (Chapters 2-4)**
	10/01	Sections 5.1 & 5.2	
8	10/06	Sections 5.2 & 5.3	**Quiz 5 (Sections 5.1-5.2)**
	10/08	Sections 5.4 & 5.5	
9	10/13	Sections 5.5 & 5.6	**Quiz 6 (Sections 5.3-5.5)**
	10/15	Sections 6.1 & 6.2	
10	10/20	Sections 6.2 & 6.3	**Quiz 7 (Sections 5.6-6.2)**
	10/22	Sections 6.3 & 6.4	
11	10/27	Sections 6.5 & 6.6	**Quiz 8 (Sections 6.3-6.4)**
	10/29	Sections 6.6 & 9.1	
12	11/03	Sections 9.2 & 9.3	
	11/05	Review for Test 2	
13	11/10	None/Test 2	**Test 2 (Chapters 5, 6, & 9)**
	11/12	Sections 7.1 & 7.2	
14	11/17	Sections 7.2 & 7.5	**Quiz 9 (Sections 7.1-7.2)**
	11/19	Sections 7.5 & 7.6	
15	11/24	**Thanksgiving Break**	
	11/26	**Thanksgiving Break**	
16	12/01	Linear Programming Topics	**Quiz 10 (Sections 7.5-7.6)**
	12/03	Review for Final	
17	12/08	None/Final Exam	**Test 3/Final (Chapters 2-7, 9, Linear Programming Topics)**