

### Basic Course Information

Semester	<b>Spring 2014</b>	Instructor Name	<b>David Rosas</b>
Course Title & #	<b>Math 081</b>	Email	<a href="mailto:David.rosas@imperial.edu">David.rosas@imperial.edu</a>
CRN #	<b>20119</b>	Webpage (optional)	
Room	<b>2500</b>	Office	<b>Part-Timers: Room 809</b>
Class Dates	<b>January 21 to May 16 2014</b>	Office Hours	<b>n/a for part-time faculty</b>
Class Days	<b>Monday and Wednesday</b>	Office Phone #	<b>760-355-6155</b>
Class Times	<b>7:45-9:50 PM</b>	Office contact if student will be out or emergency	<b>760-355-6155</b>
Units	<b>4.0</b>		

### Course Description

This course is an introduction to the concepts of Algebra. Topics covered include solving equations, polynomial s, factoring, rational expressions, graphs and linear equations, systems of linear equations, and inequalities.

### 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. Solve linear equations in one variable. (ILO2)
2. Factor polynomial expressions using a variety of methods and solve polynomial equations. (ILO2)
3. Graph linear equations and find values related to linear graphs. (ILO2)
4. Solve application problems appropriate to beginning algebra. (ILO2)

### Course Objectives

1. Demonstrate skills in solving first-degree equations.
2. Demonstrate the ability to solve many problems in diverse areas, in a step-by-step manner, when dealing with applications.3. Develop manipulation skills when operating polynomials.
4. Demonstrate the various types of factoring and be cognizant of the factoring process.
5. Demonstrate an understanding of skills in operations with and simplifications of rational expressions.
6. Demonstrate a visual understanding of the Cartesian Coordinate System and linear graphs.
7. Demonstrate the ability to solve linear systems of equations both algebraically and graphically.
8. Demonstrate the ability to solve linear inequalities algebraically and be able to present the solutions graphically.

### Textbooks & Other Resources or Links

**Introductory and Intermediate Algebra for College Students (4<sup>th</sup> ed); Pearson. ISBN: 978-0321729385**

### Course Requirements, Instructional Methods and Grades

1. *Tests:* Ch2, Ch 3-4, Ch5, Ch6, and Ch7. (65% of your grade)
2. *Final Exam:* The final exam will be administered during the last week of the semester. (25% of your Grade)
3. *Homework:* We will be using MathXL to do homework (10 % of your grade)

Grades will be computed using the standard scale:

A for 90-100%, B for 80 to 89%, C for 70-79% D for 60-69% and F for 59% or 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. **Consider**: specifics for your class/program
- 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.

### 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 – 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

**Required Language:** 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/>

### Anticipated Class Schedule / Calendar

Date or Week	Activity, Assignment, and/or Topic	Pages/ Due Dates/Tests
Week 1	Chapter 2: Solving Equations	2.1-2.2
Week 2		2.3-2.6
Week 3		2.7 Review/Ch2 Test
Week 4	Chapter 3: Graphs and Linear Equations	3.3-3.5
Week 5	Chapter 4: Systems of Linear Equations	4.1-4.3
Week 6		4.4-4.5/ Review Ch3-4
Week 7		Ch 3-4 Test
Week 8	Chapter 5: Polynomials	5.1-5.3
Week 9		5.4-5.6 Review Ch5
Week 10		Ch5 Test
Week 11	Chapter 6: Factoring	6.1-6.4
Week 12		6.6 Ch6 Review and Test
Week 13	Chapter 7 Exponents and Radicals	7.1-7.4
Week 14		7.5-7.7 Ch7 Review
Week 15		Chapter 7 Test
Week 16		Final Exam