

Imperial Valley College
SCIENCE, MATH, AND ENGINEERING DIVISION
MATH 081
BEGINNING ALGEBRA
Fall 2012

Class Location/Dates/Times: Monday and Wednesday from 3:40 pm to 5:30 pm in room 2722

CRN: 10405

Credit Hours: 4 Lec

Instructor: Mr. Allyn Leon

Office and Phone: 2760.2, (760) 355-6523

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Website: <http://www.imperial.edu/allyn.leon>, <http://imperial.blackboard.com>,
<http://www.mathxl.com>

Prerequisites: MATH 071 with a grade of "C" or better, or appropriate placement..

Office Hours:

Monday from 1:00 pm to 3:30 pm

Tuesday and Wednesday from 11:30 pm to 12:00 pm

Thursday from 9:40 am to 10:10 am

***** Final exam is on Monday, December 3, 2012 *****

***** Last day to withdraw from the class with a "W" is Saturday, November 10, 2012 *****

REQUIRED TEXTBOOKS AND ELECTRONIC RESOURCES

Textbook: Introductory and Intermediate Algebra, 4E by Blitzer (Custom book), Pearson Publisher.

You will have two options for the textbook.

Option 1: Purchase the textbook new (bundled with MathXL)

Option 2: You may choose to not buy the physical textbook, and just purchase MathXL access. You will have access to the textbook pages through the homework...

Some people prefer the second option because it is potentially less expensive. However, many people do prefer having a physical copy of the book. You may choose either of the above options for this class, as long as you have some sort of access to MathXL, as this is how you will complete your homework.

- When you register in MathXL, you will be asked to enroll in a course. Use the Course ID:

XLOZ-W1PA-801Z-3T52 (this includes zeros, and not o's).

- A basic calculator, like a TI-30 (costs around \$10) is recommended.

COURSE DESCRIPTION

An introduction to the concepts of Algebra. Topics covered include solving equations, polynomials, factoring, rational expressions, graphs and linear equations, systems of linear equations, and inequalities.

COURSE OBJECTIVES

Through various activities and assessments, students will:

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.

STUDENT LEARNING OUTCOMES

By the end of this course, you will be able to (1) solve linear equations in one variable, (2) factor polynomial expressions using a variety of methods and solve polynomial equations, (3) graph linear equations and find values related to linear graphs, and (4) solve application problems appropriate to beginning algebra. These outcomes will be assessed through selected exercises on exams throughout the semester.

COURSE COMPONENTS

ASSIGNMENTS AND LATE WORK POLICY

- There will be 41 **homework sets** assigned from every section that we cover, plus 6 practice tests, and 3 other sets to make 50. These need to be done in MathXL (remember that MathXL is a required component of this course).

TESTS

- There will be six (6) tests during the semester. Tests 1-5 will cover 2 chapters each. The tests will be worth 100 points each. Test 6 is the final exam, worth 250 points.
- There will be no make-up exams.** If you miss an exam, the test will be recorded as a zero, and **the final exam percentage** will be used to replace that score at the end of the semester.

GRADING POLICY

Your grade will be comprised of the following items:

50 HW Assignments @ 5 points each	250 points	~25%
5 tests @ 100 points each	500 points	~50%
Final Exam @ 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

IVC POLICIES

- Under IVC policy, students are expected to attend every session of class in which they are enrolled. If a student is unable to attend the course or must drop the course for any reason, it will be the responsibility of the student to withdraw from the course. If the student does not withdraw from the course and fails to complete the requirements of the course, the student will receive a failing grade.
- 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 Room 2117, in the Health Sciences Building. Their phone number is (760) 355-6312.
- Student Responsibilities and Expectations: You are expected to attend class on a regular basis. Make sure you come to every class meeting. You will find it very hard to succeed in this class if you do not come to class regularly. Make sure that you read ahead in the textbook and that you work out the problems that I have assigned. Part of your work will be done in groups. You cannot learn mathematics without doing the problems. Math is like playing the piano; the more you practice, the better you get (as long as you're practicing correctly).

TENTATIVE SCHEDULE

WEEK	DAY	DATE	SCHEDULE
1	M	8/20	Introduction, Ch 1 Handout
	W	8/22	2.1, 2.2
2	M	8/27	2.3, 2.4
	W	8/29	2.5, 2.6
3	M	9/3	NO CLASS
	W	9/5	2.7
4	M	9/10	Test 1
	W	9/12	3.1, 3.2
5	M	9/17	3.3, 3.4
	W	9/19	3.5, 4.1, 4.2
6	M	9/24	4.3, 4.4,
	W	9/26	Test 2
7	M	10/1	5.1, 5.2
	W	10/3	5.3, 5.4
8	M	10/8	5.5, 5.6
	W	10/10	5.7, 6.1

WEEK	DAY	DATE	SCHEDULE
9	M	10/15	6.2, 6.3
	W	10/17	6.4, 6.5, 6.6
10	M	10/22	Test 3
	W	10/24	7.1, 7.2
11	M	10/29	7.3, 7.4
	W	10/31	7.5, 7.6
12	M	11/5	7.7, 8.1
	W	11/7	Test 4
13	M	11/12	NO CLASS
	W	11/14	9.1, 9.2
14	M	11/19	9.3, 9.4
	W	11/21	10.1, 10.2
15	M	11/26	Test 5
	W	11/28	Final Review
16	M	12/3	Test 6