Department of Science, Math and Engineering
Imperial Valley College
Imperial, CA 92251

Math 091- Intermediate Algebra
Syllabus
Spring 2013

Instructor: Andrés Nóguez

Contact Information:
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* Office Hours: By Appointment

Course Information:
* Lectures: Mondays and Wednesdays 12:55pm-3:25pm
* CRN: 20202
* Credit Units: 5
* Websites: http://imperial.blackboard.com, http://www.mathxl.com

Course Materials:
* Textbook: Introductory and Intermediate Algebra for College Student (Custom Edition for Imperial Valley College) by Robert Blitzer (REQUIRED)
* ISBN-13: 978-1-256-83889-0
* MathXL (REQUIRED)
* Course Code: XL14-B1LG-301Z-0T52

Prerequisites: Math 081 with a minimum grade of C or better or appropriate placement.

Course Description: A further study of the concepts of algebra. Topics covered include linear and quadratic equations, relations, functions and graphs, systems of equations, logarithmic and exponential functions, conic sections, and sequences and series.

Course Objective: Upon satisfactory completion of the course, students will be able to:
1. Demonstrate an understanding of radical expressions and equations.
2. Demonstrate an ability to solve systems of applications, including systems with three equations and three variables.
3. Demonstrate an understanding of quadratic functions, including graphing and equations.
4. Demonstrate an understanding of functions and relations, including one-to-one functions.
5. Demonstrate an understanding of logarithmic and exponential functions and their graphs.
6. Classify and graph ellipses, parabolas, and hyperbolas.
7. Demonstrate an understanding of sequences and series and their operations.

SLO

(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 quadratic equations by factoring, completing the square, and quadratic formula. (ILO2)
2. Solve equations involving radicals. (ILO2)
3. Recognize and graph equations of conic sections. (ILO2)
4. Solve three by three linear systems by elimination or/and substitution. (ILO2)
5. Solve an application involving exponential functions. (ILO2, ILO5)

DSP&S:

Any student with a documented disability who may need educational accommodations should notify the instructor or the Disabled Student Program and Services (DSP&S) office as soon as possible. Room 2117, Health Sciences Building (760) 355-6312.

Math 091 Spring 2013 ***Tentative*** Schedule		
Day	Sections	Notes
01/14	Introduction, 4.1, 4.2	
01/16	4.3, 4.4	
01/21	**No Class**	
01/23	4.5, 8.1	
01/28	8.2, 8.3	
01/30	8.4	
02/04	Q&A time, ***Test 1***	
02/06	9.1, 9.2, 9.3	
02/11	10.1, 10.2	
02/13	10.3, 10.4	
02/18	**No Class**	
02/20	10.5, 10.6	
02/25	10.7, *Q&A time 2*	
02/27	**Test 2**, Test 2 Recap	
03/04	11.1, 11.2	
03/06	11.3	
03/11	11.4,11.5	
03/13	12.1, 12.2	
03/18	12.3, 12.4	
03/20	12.5, Test 3 Review	
03/25	**Test 3**, Test 3 Recap	
03/27	13.1, 13.2	
04/01-04/05	**Spring Break**	
04/08	13.3, 13.4	
04/10	13.4, 13.5	
04/15	13.5, 14.1	
04/17	14.2	
04/22	14.3	
04/24	*Q&A time*, **Test 4**	
04/29	Catch up/ *Q&A time*	
05/01	*Q&A time*	

05/06	**Final Exam**	
05/08	**No Class**	

COURSE COMPONENTS

ASSIGNMENTS AND LATE WORK POLICY

- There will be 40 (more or less) ***homework sets*** assigned from every section that we cover including 4 practice tests. These need to be done in MathXL (remember that MathXL is a required component of this course). The homework sets will be due the day of the exams. For example, all the homework sets from chapters 4 and 8 will be due on the day of test 1; all homework sets from chapters 9 and 10 will be due on the day of test 2, etc. Doing your homework will help you improve your math skills, it's extremely important that you work on it as soon as it's posted on mathXL.

TESTS

- There will be a total for five tests during the semester. Tests 1-4 will cover 2 chapters each. The tests will be worth 150 points each. The final exam will be 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:

HW Assignments	150 points	~15%
4 tests @ 150 points each	600 points	~60%
Final exam	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. I will not drop you 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. The last day to withdraw from this course with a "W" is April 13, 2013**.
- 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.
- Disruption of other students will result in a reprimand or expulsion from the class for that day. A second offense can result in administrative discipline.
- Cheating is not tolerated and will result in discipline from the administration.
- Bottled water is the only food or drink allowed in the room.

My Policies

- DISCIPLINE: Talking, or any other disruptive behavior is disrespectful to your instructor and your fellow classmates. First, you will be given a warning (general warning to the classroom applies to everyone). The second time the student is caught disrupting the class, he/she will be asked to leave the classroom. I will drop you from the course if this behavior continues up to your third disruption.
- Disruption (or disruptive behavior) in my class is defined as behavior that interferes with another student's ability to learn or is distracting to myself or others. This includes but is not limited to talking with other students during lecture, ringing phones, texting, reading non-math materials such as magazines, watching and/or playing video games on an electronic device, listening to music on your i-pod, cleaning out your backpack, etc.
- There will be times when I will ask you to work in groups to solve math exercises; you are allowed to talk during this time to your classmates. However, you must keep your voices down, if it gets too loud I will ask you to work individually.
- Always be on time to class, if you arrive late then make sure that you enter the classroom quietly and don't disrupt anyone.
- Multiple infractions of my policies can result in a lowering of your grade by one letter grade.