Basic Course Information

Semester	**Spring 2019**	Instructor Name	**Oscar J. Hernandez**
Course Title & #	**Beginning Algebra Math 081**	Email	**oscar.hernandez@imperial.edu**
CRN #	**20096**	Webpage (optional)	
Room	**2723**	Office	**Room 2767-1**
Class Dates	**February 11 – June 07**	Office Hours	**MWF 10:50-11:20 TR 9:30-10:15, 12:30-1:00**
Class Days	**T and TR.**	Office Phone #	**760-355-5739**
Class Times	**10:15-12:20**	Office contact if student will be out or emergency	**Call me at 760-355-5739 or send an e-mail**
Units	**4**		

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. (Nontransferable, non-degree applicable)

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

Upon satisfactory completion of the course, students will be able to:

 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

Blitzer (2017). *(1st Edition) Developmental Math for College Students*. Pearson. ISBN: 978-0-13-426833-0

Resources: Angel, A. (2010). *Elementary and Intermediate Algebra for College Students* (4th/e). Prentice Hall.
Martin-Gay, E. (2012). *Beginning & Intermediate Algebra* (5th/e). Pearson. ISBN: 978-0321729361
Bittinger, M. (2013). *Elementary and Intermediate Algebra: Concepts & Applications* (6th/e). Addison-Wesley. ISBN: 978-0321848741

Course Requirements and Instructional Methods

PREREQUISITES, if any:
> MATH 071 with a minimum grade of C or better or
> MATH 070 with a minimum grade of C or better or
> appropriate placement.

METHOD OF EVALUATION TO DETERMINE IF OBJECTIVES HAVE BEEN MET BY STUDENTS:

Class Activity

Mid-Term/Final Exam(s)

Problem Solving Exercise

Quizzes

Skill Demonstration

Written Assignments

Discussion

Group Activity

Individual Assistance

Lecture

Computer Assisted Instruction

Homework (Mymathlab) will be assigned at beginning of semester.

No Make-up tests will be given

Out of Class Assignments:

Two (2) hours of independent work done out of class per each hour of lecture or class work, or 3 hours lab, practicum, or the equivalent per unit is expected

Course Grading Based on Course Objectives

Grading: If the final exam score is greater than one of the tests, the lowest test score will be change with the final exam score.

Tests 3 (three) 100 points each	Total 300 points
Final Exam	Total 200 points
Homework (MathXL)	Total 100 points

No make-up test will be given.
After all of your scores have been totaled, final grades will be assigned as follows:

90-100%	A
80-89%	B
70-79%	C
60-69%	D
Below 60%	F

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 taking and presenting 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 'cite a source' correctly, 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 that 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) using 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 Study Skills Center (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 Study Skills 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 helping 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

Chapter	Content	Tentative date
Eight	**Linear Equations and Inequalities in one Variable.** 8.1 Real Numbers and simplifying Algebraic Expressions. 8.2 Addition Property of Equality. 8.3 Multiplication Property. 8.4 Solving Linear Equations 8.5 Using Formulas 8.6 Introduction to Problem Solving 8.7 Solving Linear Inequalities	February 12-26
Nine	**Linear Equations in two variables** 9.1 Graphing Linear Equations in Two Variables 9.2 graphing Linear Equations Using Intercepts 9.3 Slope 9.4 The Slope-Intercept Form of the Equation of a Line 9.5 The Point-Slope Form of the Equation of a Line.	Feb 28 – March 12
TEST # 1	**Chapters 8 and 9**	**March 14**
Ten	**Systems of Linear Equations** 10.1 Solving Systems of Linear Equations by Graphing 10.2 Solving by Substitution Method 10.3 Solving by Addition Method 10.4 Problems Solving Using Systems of Equations	March 19 - 28
Eleven	**Exponents and Polynomials** 11.1 Adding and Subtracting Polynomials 11.2 Multiplying Polynomials 11.3 Special Products 11.4 Polynomials in Several Variables 11.5 Dividing Polynomials	April 2 - 11

	11.6 Long Division of Polynomials: Synthetic Division 11.7 Negative Exponents and Scientific Notation	
TEST # 2	**Chapters 10 and 11**	**April 16**
Twelve -- **Spring Break**	**Factoring Polynomials** 12.1 The Greatest Common Factor and Factoring by Grouping 12.2 Factoring Trinomials Whose Leading Coefficient is 1 12.3 Factoring Trinomials whose Leading Coefficient is Not 1 12.4 Factoring Specials Forms 12.5 General Factoring Strategy 12.6 Solving Quadratic Equations by Factoring -- **No Classes**	April 18 - May 7 -- **April 22 – 26**
Thirteen	**Rational Expressions** 13.1 Rational Expressions and Their Simplification 13.2 Multiplying and Dividing 13.3 Adding and Subtracting with Same Denominator 13.4 Adding and Subtracting with Different Denominators 13.5 Complex Rational Expressions 13.6 Solving Rational Equations 13.7 Modeling Using Variation	May 9 - 23
TEST # 3	**Chapters 12 and 13**	**May 28**
FINAL EXAM	**CHAPTERS 2-7**	**June 4**