Basic Course Information

Semester	**Fall 2019**	Instructor Name	**Oscar J. Hernandez**
Course Title & #	**Math 050 Math 150 Support**	Email	**Oscar.hernandez@imperial.edu**
CRN #	**11641**	Webpage (optional)	
Room	**3112**	Office	**Room 2767/1**
Class Dates	**August 20 – December 14**	Office Hours	**MW 9:15 – 10:15** **T, TR 13:35 – 14:35**
Class Days	**T, TR**	Office Phone #	**(760) 355-5739**
Class Times	**14:40-15:45**	Office contact if student will be out or emergency	**Call my office Phone # (760) 355-5739 or send an e-mail.**
Units	**1.0**		

Course Description
Student Learning Outcomes

This course is intended for students to take concurrently with Math 150. Included will be the review of functions, properties of exponents, properties of logarithms, operations on polynomials, rational and radical functions; review and solve linear, quadratic, rational, radical, exponential and logarithmic equations, solve non-linear inequalities, review complex numbers.
(Non-transferable, nondegree applicable)

Students Learning Outcomes:

Upon course completion, the successful student will have acquired new skills, knowledge, and or attitudes as demonstrated by being able to:
1. Demonstrate problem solving strategies by identifying an appropriate method to solve a given problem, correctly set up the problem, perform the appropriate analysis and computation, and share their interpretation of the conclusion or the outcome, using correct grammar or in an oral presentation. This outcome will be assessed through selected exercises on exams throughout the semester. (ILO1, ILO2)

Course Objectives

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

1. Demonstrate an understanding of functions and relations
2. Understand the laws of exponents and perform operations on exponents
3. Perform operations on polynomial, logarithmic, rational and radical expressions.
4. Solve linear, quadratic, rational, radical, exponential and logarithmic equations
5. Perform operations on rational expressions
6. Solve non-linear inequalities
7. Perform operations on complex numbers

Assignments:
Reading and writing
Students will be assigned exercises (Mymathlab), that supplement pre-requisite knowledge for Math 050

Textbooks & Other Resources or Links

No textbooks will be required for this course. Supplemental material will be available for download on canvas.

Course Requirements and Instructional Methods

   A. PREREQUISITES, if any:
   B. COREQUISITIES, if any: Math 150
   C. RECOMMENDED PREPARATION, if any:

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

Written Assignments

Skill Demonstration

Quizzes

Problem Solving Exercise

Oral Assignments

Objective

Class Activity

INSTRUCTIONAL METHODOLOGY:

Lecture

Group Activity

Discussion

Demonstration

Audio Visual

Homework is done at Mymathlab, Check all Due Dates.

Course Grading Based on Course Objectives

Grading:

Pass/No Pass Only

Attendance

Required language

- 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, Deadline to drop with W, November 9, 2019. 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.
- 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.
- **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

- **Canvas support center**: http://community.canvaslms.com/docs/DOC-10701
- **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

1. Sets
    a. Language and Notation
    b. Union and Intersection
    c. Interval Notation
2. Functions and relations
    a. Definition of a function
    b. Function notation
    c. Domain and Range of a function
    d. Find function values from a graph
    e. One-to-One and inverse functions
    f. Operations with functions
3. Polynomials
    a. Factor polynomial expressions
    b. Operations of polynomial expressions
    c. Exponents
4. Exponential and Logarithmic Expressions
    a. Definitions of exponential and logarithmic functions
    b. Properties of logarithms
    c. convert between exponential and logarithmic expressions
5. Rational Expressions
    a. Simplify rational expressions
    b. Operations with rational expressions
    c. Simplify complex fractions
5. Radical Expressions
    a. Simplify radical expressions
    b. Operations on radical expressions
    c. Rationalize denominator of radical expressions

6. Solve Equations
   a. First Degree equations
   b. Quadratic Equations, including solve by factoring, square root property, complete the square and the quadratic formula
   c. Rational equations
   d. Radical Equations
   e. Exponential Equations
   f. Logarithmic Equations
7. Non-linear Inequalities
   a. Simplify radical expressions
   b. Operations on radical expressions
   c. Rationalize denominator of radical expressions
8. Graph
   a. Linear Equations
   b. Quadratic Equations
   c. Radical Equations
   d. Exponential Equations
   e. Logarithmic Equations