

### Basic Course Information

Semester	Fall 2014	Instructor Name	Oscar J. Hernandez
Course Title & #	Basic Mathematics Math 061	Email	<a href="mailto:Oscar.hernandez@imperial.edu">Oscar.hernandez@imperial.edu</a>
CRN #	10376	Webpage (optional)	
Room	2723	Office	Room 2767
Class Dates	August 19- December 11	Office Hours	MWF 9:00-10:00 T,R 9:45-10:15
Class Days	T, TR	Office Phone #	760-355-6739
Class Times	1:30 PM – 2:55 PM	Office contact if student will be out or emergency	Call me at 760-355-6739 or send an e-mail
Units	3		

### Course Description

An introduction the concepts needed for further study in Mathematics. Topics covered include operations with whole and rational numbers, decimals, percent, ratio and proportions, and their applications.(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 Perform the basic operations with whole and non-signed rational numbers. (ILO2)
- 2 Perform conversions to and from fractions, decimals, and percent. (ILO2)
- 3 Solve application problems involving operations with non-signed rational numbers. (ILO2)

### Course Objectives

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

1. Demonstrate skills working with whole numbers.
2. Demonstrate skills working with fractions.
3. Demonstrate skills working with decimals.
4. Demonstrate skills working with percent.
5. Solve problems involving sales tax and discounts.

### Textbooks & Other Resources or Links

Lial Martin Gay. (2011). *Basic College Mathematics* (4rd/e). Pearson. ISBN: 9780321649409 or Basic College Mathematics Version for Imperial Valley College.

### Resources:

Toby, J. (2009). *Essentials of Basic Mathematics* (2nd/e). Pearson. ISBN:9780321703088  
 Bittinger (2009). *Fundamental College Mathematics* (5th/e). Pearson. ISBN: 9780321690630

**Course Requirements and Instructional Methods**

Discussion

Group Activity

Individual Assistance

Lecture

Computer Assisted Instruction

Lab Activity

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.

Out-of-class Assignments:

A typical out-of-class assignment for this class would include the following: 1. Complete an assigned section (e.g. 2.3) on an online homework program. ( MathXL ) 2. Read the tutorial as needed.

**Course Grading Based on Course Objectives**

<b>Tests 3 (three) 100 points each</b>	<b>Total 300 points</b>	<b>60% of total grade</b>
<b>Final Exam</b>	<b>Total 200 points</b>	<b>25% of total grade</b>
<b>Homework (MathXL)</b>	<b>Total 100 points</b>	<b>15% of total grade</b>

**No make-up test will be given.**

**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.

After all of your scores have been totaled, final grades will be assigned as follows:

90 % - 100 %	<b>A</b>	
80 % - 89 %	<b>B</b>	
70 % - 79 %	<b>C</b>	
60 % - 69 %	<b>D</b>	
59% or less	<b>F</b>	

**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

**Required Language:** 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

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

Date or Week	Activity, Assignment, and/or Topic	Tests or Final Exam
Week 1 August 19 - 21	Syllabus & Introduction 1.2 Place Value, Names for Numbers, and Reading Tables 1.3 Adding Whole Numbers and Perimeter	
Week 2 August 26 - 28	1.4 Subtracting Whole Numbers 1.5 Rounding and Estimating 1.6 Multiplying Whole Numbers and Area	
Week 3 September 2-4	1.7 Dividing Whole Numbers 1.8 An Introduction to Problem Solving 1.9 Exponents, Square Roots, and Order of operations	
Week 4 September 9-11	<b>Test # 1</b> <b>Chapter1</b>	<b>Sept. 09-2014</b>
Week 5 Sept. 16-18	2.1 Introduction to Fractions and Mixed Numbers 2.2 Factors and Prime Factorization 2.3 Simplest Form of a Fraction	
Week 6 Sept. 23-25	2.4 Multiplying Fractions and Mixed Numbers 2.5 Dividing Fractions and Mixed Numbers 3.1 Adding and Subtracting Like Fractions	
Week 7 Sept.30-Oct 02	3.2 Least Common Multiple 3.3 Adding and Subtracting Unlike Fractions 3.4 Adding and Subtracting Mixed Numbers	

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Week 8 Oct. 7-9	3.5 Order, Exponents, and the Order of Operations 3.6 Fractions and Problem Solving	
Week 9 Oct. 14-16	<b>Test # 2, Chapters 2 and 3</b> 4.1 Introduction to Decimals 4.2 Order and Rounding	<b>Oct.14-2014</b>
Week 10 Oct. 21-23	4.3 Adding and Subtracting Decimals 4.4 Multiplying Decimals and Circumference of a Circle 4.5 Dividing Decimals and Order of Operations	
Week 11 Oct 28-30	4.6 Fractions and Decimals 5.1 Ratios 5.2 Rates	
Week 12 Nov. 04-06	5.3 Proportions 5.4 Proportions and Problem Solving	
Week 13 Nov. 11-13	<b>Test # 3, Chapters 4 and 5</b>	<b>November 13-2014</b>
Week 14 Nov. 18-20	6.1 Introduction to Percent 6.2 Percent and Fractions 6.3 Solving Percent Problems Using Equations 6.4 Solving Percent Problems Using Proportions	
Week 15 Nov. 25-27	<b>No classes.</b>	
Week 16 Dec. 02-04	6.5 Applications of Percent 6.6 Percent and Problem Solving: Sales Tax, Commission, and Discount 6.7 Percent and Problem Solving: Interest	
Week 17	<b>Final Exam. Chapters 1-6</b>	<b>December 09-2014</b>