

### Basic Course Information

Semester	<b>Summer 2016</b>	Instructor Name	<b>Carlos Duarte</b>
Course Title & #	<b>Math 61</b>	Email	<a href="mailto:carlos.duarte@imperial.edu">carlos.duarte@imperial.edu</a>
CRN #	<b>30176</b>	Webpage (optional)	
Room	<b>2735</b>	Office	<b>NA</b>
Class Dates	<b>June 20 – July 28</b>	Office Hours	<b>N/A</b>
Class Days	<b>Mondays - Thursday</b>	Office Phone #	<b>N/A</b>
Class Times	<b>12:30-2:40 p.m.</b>	Office contact if student will be out or emergency	<b>N/A</b>
Units	<b>3 units</b>		

### Course Description

An introduction the concepts needed for further study in Mathematics. Topics covered include operations with whole and rational numbers, decimals, percents, ratio and proportions, and their applications.

### 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 percents (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 percents.
5. Solve problems involving sales tax and discounts.

### Textbooks & Other Resources or Links

- Textbook: *Basic College Mathematics*, 4<sup>th</sup> Edition, Elayn Martin-Gay.
- A scientific calculator (not graphing) is also recommended, but **NOT ALLOWED TO BE USED ON EXAMS**.
- MATH XL computer access for doing homework is required for all students! [www.mathxl.com](http://www.mathxl.com)

### Course Requirements and Instructional Methods

#### Homework(10%)

ALL homework will be done through the following web site: [www.mathxl.com](http://www.mathxl.com). All deadline dates are online at the site. **NO LATE HOMEWORK WILL BE ACCEPTED. Everything on mathxl.com is considered homework. No homework will be accepted after the final exam. Homework closes (due) on the last day the class meets.**

**Tests (75%) – Calculators will not be allowed on Tests or Final Exam**

**You can't show up late for tests! You will have a total of 3 tests each worth 25% (total of 75%). The tests will consist of problems similar to the homework and may contain essay questions where you will have to explain concepts.** Tests will be announced at least one day before, but I am hoping to give you more notice if possible. **Tests will be on the chapters being covered and most likely will include some material from previous tests.** You can only miss ONE test. If you miss a test, the NEXT test will count for two scores (the previous test will NOT be counted as two scores). If you miss two or more tests, the other tests will be given zeros for a score. You must take the test in the class you are registered for (no exceptions).

**Final Exam (15%)**

The Final Exam will consist of questions. It will be comprehensive. **You CAN'T miss the final exam.**

**Out of Class Assignments:** The Department of Education policy states that one (1) credit hour is the amount of student work that reasonably approximates not less than one hour of class time and two (2) hours of out-of-class time per week over the span of a semester. WASC has adopted a similar requirement.

**Course Grading Based on Course Objectives**

<u>Grading Scale</u>		<u>Grade Distribution</u>	
A	100 – 90	Computer Homework/Tests	10%
B	89 – 80	Tests (3 tests @ 25% each)	75%
C	79 – 70	Final Exam	15%
D	69 – 60		
F	59 – under		

**USE THIS FORMULA TO CALCULATE YOUR GRADE:**

$$\text{Example: } (84)*0.25 + (68)*0.25 + (62)*0.25 + (70)*0.15 + (80)*0.10 = 72 \text{ (C)}$$

**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. **TURN OFF YOUR CELLULAR PHONES. Courtesy please. IF IT RINGS, YOU WILL BE ASKED TO LEAVE AND IT WILL BE MARKED AS AN ABSENCE. YOU WILL NOT BE ALLOWED TO STAY IN CLASS. NO TEXTING IN CLASS.**
- You can use a calculator only while in class, but not during any test/exam. A TI-30 is enough for this class. **NO Graphing Calculators, Cell phones, OR iPod type devices will be allowed as calculators.**
- Be Prompt!!! Class starts at 12:30 p.m., not 12:35 p.m. You will NOT be allowed to come in if class has already started. DO NOT come in late or leave early from class (it disrupts the flow of the class).
- Copies of books are not allowed in class.
- 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.
- Humor is a big part of the class. To break up the monotony of class, I will pick points during class to stop so that the four hours and fifteen minutes do not seem as long. This is strategically done to help students cope with the long class.

### Academic Honesty

- Plagiarism is to take and present 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 correctly 'cite a source', 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, or assisting others in using materials, which 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) use of a commercial term paper service

### Additional Help – Discretionary Section and Language

- 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 Learning Services (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 learning center, study rooms for small groups, and online access to a wealth of resources.
- The classroom notes, old tests, study guides are available through [www.mathxl.com](http://www.mathxl.com) under "View Course Documents"

### 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

## Imperial Valley College Course Syllabus – Math 61

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](http://www.imperial.edu/index.php?option=com_docman&task=doc_download&gid=4516&Itemid=762)

### Information Literacy

Imperial Valley College is dedicated to help 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

WEEK	TOPIC	
1-2	<p><b>Chapter 1: The Whole Number</b></p> <ul style="list-style-type: none"> <li>1.2 Place Value</li> <li>1.3 Adding Whole Numbers And Perimeter</li> <li>1.4 Subtracting Whole Numbers</li> <li>1.5 Rounding And Estimating</li> <li>1.6 Multiplying Whole Numbers And Area</li> <li>1.7 Dividing Whole Numbers</li> <li>1.8 An Introduction To Problem Solving</li> <li>1.9 Exponents, Square Roots And Order Of Operations</li> </ul> <p><b>Chapter 2: Multiplying And Dividing Fractions</b></p> <ul style="list-style-type: none"> <li>2.1 Intro To Fractions And Mixed Numbers</li> <li>2.2 Factors And Prime Factorization</li> <li>2.3 Simplest Form Of A Fraction</li> <li>2.4 Multiplying Fractions And Mixed Numbers</li> <li>2.5 Dividing Fractions And Mixed Numbers</li> </ul>	Test #1 on June 30 (Thursday)
3-4	<p><b>Chapter 3: Adding And Subtracting Fractions</b></p> <ul style="list-style-type: none"> <li>3.1 Adding And Subtracting Like Fractions</li> <li>3.2 Least Common Multiple</li> <li>3.3 Adding And Subtracting Unlike Fractions</li> <li>3.4 Adding And Subtracting Mixed Numbers</li> <li>3.4 Order, Exponents, And The Order Of Operations</li> <li>3.5 Fractions And Problem Solving</li> </ul> <p><b>Chapter 4: Decimals</b></p> <ul style="list-style-type: none"> <li>4.1 Intro To Decimals</li> <li>4.2 Order And Rounding</li> <li>4.3 Adding And Subtracting Decimals</li> <li>4.4 Multiplying Decimals And Circumference Of A Circle</li> <li>4.5 Dividing Decimals And Order Of Operations</li> <li>4.6 Fractions And Decimals</li> </ul>	Test #2 on July 14 (Thursday)
5-6	<p><b>Chapter 5: Ratios and Proportions</b></p> <ul style="list-style-type: none"> <li>5.1 Ratios</li> </ul>	Test #3 on July 26 (Tuesday)

Imperial Valley College Course Syllabus – Math 61

---

	<p>5.2 Rates 5.3 Proportions 5.4 Proportions And Problem Solving</p> <p><b>Chapter 6: Percent (%)</b></p> <p>6.1 Intro To Percents 6.2 Percents And Fractions 6.3 Solving Percent Problems Using Equations 6.4 Solving Percent Problems Using Proportions 6.5 Applications Of Percents 6.6 Percent And Problem Solving : Sales Tax, Commission And Discounts 6.7 Percent And Problem Solving: Interest</p>	<p>Final Exam on July 28 (Thursday)</p>
--	--	---