Math 61 – Basic Mathematics
SPRING 2015: Session: T&TH 8:35 –10.00 a.m. code: 20326, bld:2700, Room:2721
Instructor: Porfirio Hernandez. Phone:(760) 234-0611. E-mail:pohernan@yahoo.com

IT IS YOUR RESPONSIBILITY TO DROP THE CLASS, IF YOU CAN'T ATTEND!
LAST DAY TO DROP ANY CLASS IS MAY. 16TH (WITH A "W")OTHERWISE YOU GRADE WILL BE F.

Textbook and Software   Chapters
- *Book: **Basic College Mathematics Package. IVC by Martin gay***   *Chapters 1-6*

Calculators
You will be encouraged to use a calculator, as many of the problems will require them. Problems that require a calculator will be on the tests, but I will not provide you with calculators. A TI-30 is enough for this class. **NO Graphing Calculators, Cell phones, OR iPod type devices will be allowed as calculators. But most of the time you are not going to use calculators.**

Grading Scale		Grade Distribution	
A	100 – 90	Homework and quizzes.	15%
B	89 – 80	Tests (4 tests @ 15% each)	60%
C	79 – 70	Final Exam	25%
D	69 – 60		
F	59 – under		

Homework and Quizzes (15%)
Late homework will not be accepted. The homework will be base on the book. Also I'm going to give you a practice test b and we are going to solved it in the class before any test or quiz including the final exam.

Tests (60%)
There will be 4 tests, each worth 15%. There will be no makeup exams given. Zeros will be given for all missed tests. **Each test will last no more than 55 minutes each.**

Final Exam (25%) .
The Final Exam will be multiple choice and free response. It will be comprehensive and will be created by the IVC Math Department. **The final exam will be in the classroom**.

You will need to bring the following items for the Final Exam:
- **Several** #2 pencils and erasers
- **Valid ID AND know your I.V.C. G-number**
- No calculators
- NO cell phones or other electronic devices with calculators will be allowed (i.e. NO iPods, palm pilots, cell phones …)

Tutoring
Tutoring is available through **www.mathxl.com** and through the **Imperial Valley College Math Lab in the 2500 Building and can be reached at 355-6190 or 355-6187. The Math Lab is open: Mon (8am-9pm), Tues (8am-9pm), Wed (8am-9pm), Thurs (8am-9pm), Fri (8am-5pm), and Sat (8am-1pm).or with me after class.**

Classroom Expectations

1. <u>TURN OFF YOUR CELLULAR PHONES (or leave them at home). 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.</u>

2. <u>**Be Prompt!!! Class starts at 8:35 p.m., not 8:40 a.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). If you do, you will be marked as an absence.</u>

3. **Exchange phone numbers** (<u>ONLY if you feel comfortable – *you DON'T have to*</u>) with classmates to assure getting homework and test information accurately. It's hard to do it alone.

4. Cheating will result in an automatic "F" grade in the class **(Cheating = "F" for the semester)**

5. <u>**Food or Drink are NOT allowed in class!**</u>

6. Any student who needs **special modifications**, please see the teacher or **call: DSP&S at 355-6312**

7. After **2 absences**, you will be **<u>dropped from class</u>** (It is still your responsibility to drop the class). You will find it is hard to recover if you miss a few classes.

8. <u>**Avoid any uncomfortable situation such as bringing your children to class (IVC policy), making unfair remarks or laughing at other people's questions/remarks.**</u>

9.- Avoid to talk or laughing during the class, or you will be asked to leave the class. Second time that you interrupt the class laughing or talking you will be asked to pass to Board and respond some questions or problems if you don't know the subject because you are not paying attention you have to leave the class and the second time you will be dropped.

MEASURABLE COURSE OBJECTIVES

The student will demonstrate the following:
1) An understanding and comprehension of basic ideas and elementary Concepts of Arithmetic.
2) Skill and Demonstrate How to multiply and divide fractions
3) The ability to solve Fractions with like an unlike Denominators And Mixed Numbers.
4) Learn to perform arithmetic operations using decimals and to analyze the relationship between fractions and decimals.
5) An understanding of the useful notations of ratio and proportions.
6) The ability to use the techniques to write percents as a fractions and as decimals and then solve problems relating to sales tax, commission, discount, interest, and other real-life situations that use percents.

COURSE CALENDAR

Session 1: Chapter 1. Real numbers.
1.-Place value and Names for Numbers
2.- Adding Whole numbers and Perimeter
3.- Subtracting Whole Numbers
4.- Rounding and Estimating
5.- Multiplying Whole Numbers and Area
6.- Dividing Whole Numbers
        Quiz#1
7.- An Introduction to Problem Solving
8.- Exponents ,Square Roots, and Order of Operations.
9.-Test # 1
Session 2 and 3: Chapters 2 & 3 Fractions
1.-Introduction to Fractions and Mixed Numbers
2.-Factors and Prime factorization
3.-Simplest form of a Fraction.
4.-Multiplying Fractions.
5.-Dividing Fractions.
        Quiz #2
6.-Adding and Subtracting like Fractions.
7.-Least Common Multiple.
8.-Adding and Subtracting unlike Fractions.

9.-Fractions and Problem Solving.
10.- Test # 2 Chapters 2 and 3.

Session 4: Chapter 4 Decimals.
1.-Introduction to Decimals.
2.-Order and Rounding.
3.-Adding and Subtracting Decimals.
4.-Multiplying and Dividing Decimals and Circumference of a Circle.
5.-Fractions and Decimals
 QUIZ # 3

Session 5: Chapter 5 Ratio and Proportion
1. Ratios.
2.-Rates.
3.-Proportions.
4.-Proportions and Problem Solving.
5.-Test # 3 (Chapter 5)
Session 6:
 Chapter 6. Percent.
1.-Introduction to Percent.
2.-Percent and Fractions.
3.-Solving Percent problems using Equations.
4.-Solving Percent problems using Proportions.
5.-Applications of Percent.
6.-Percent and problem solving: Sale tax, Commission and Discount.
7.-Percent and problem Solving: Interest.
8.-Test # 4.

Session 9.- Final Exam Chapters 1 to 6
Date: to be assigned