

MATH 061- BASIC MATHEMATICS

FALL 2012 Session: M&W 6:30 – 7:55 p.m. code: 10971 bld: 400, Room: 403

Instructor :Porfirio Hernandez – . Phone:(760)234-0611 email:pohernan@yahoo.com

IT IS YOUR RESPONSIBILITY TO DROP THE CLASS, IF YOU CAN'T ATTEND!
LAST DAY TO DROP ANYCLASS IS 10TH NOVEMBER (WITH A "W")!OTHERWISE
YOUR GRADE WILL BE F.

Textbook and Software

Book: **BASIC COLLEGE MATHEMATICS A CUSTOM EDITION FOR IVC BY MARTIN-GAY**

Chapters

1-6

PRE-REQUISITES: NONE

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. **NO Cell phones, OR iPod type devices will be allowed in this class**

Grading Scale

A	100 – 90
B	89 – 80
C	79 – 70
D	69 – 60
F	59 – under

Grade Distribution

Homework/quizzes	15%
Tests (4 tests @ 15% each)	60%
Final Exam	25%

Homework and Quizzes (15%)

I'm going to give you a Packet for each chapter. Late homework will not be accepted. The homework will be base on the book. Also I'm going to give you a practice test before any test to be solved it in the class, including the final exam.

Tests (60%)

There will be 4 tests, each worth 15%.only the final exam will be multiple choice. There will be no makeup exams given. Zeros will be given for all missed tests. The tests will be created by IVC. **Each test will last no more than 55 minutes each.**

Final Exam . 25%

The Final Exam will be multiple choice. It will be comprehensive and will be created by the IVC Math Department.

You will need to bring the following items for the Final Exam:

- **Several** #2 pencils and erasers
- No calculators
- NO cell phones or other electronic devices 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).Also I will be here half an hour before and after class to help you.

Classroom Expectations

1. **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.**
2. **Be Prompt!!! Class starts at 6:30 p.m., not 6:35 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). If you do, you will be marked as an absence.
3. **Exchange phone numbers** (ONLY if you feel comfortable – *you DON'T have to*) 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. **Food or Drink is NOT allowed in class!**
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 **dropped from class** (It is still your responsibility to drop the class). You will find it is hard to recover if you miss a few classes.
8. **Avoid any uncomfortable situation such as bringing your children to class (IVC policy), making unfair remarks or laughing at other people's questions/remarks.**
9. **Avoid talking or laughing during the class. you will be asked to leave the class, the second time that you interrupt the class laughing or talking you will be dropped from the class.**

STUDENT LEARNING OUTCOMES.

1.-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.
- 2.) Perform conversions to and from Fractions,Decimals, and Percents.
- 3.) Solve application problems involving operations with non-signed rational numbers.

MEASURABLE 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.

CORE CONTENT TO BE COVERED IN ALL SECTIONS,

CORE CONTENT	APPROX.% OF COURSE
1.-Whole numbers. A) Place value. B) Addition and subtraction. C) Multiplication and division D) Rounding. E) Exponents and square roots. F) Applications.	20.00%
2.- Fractions. A) Prime Factorization. B) GCF and LCM.. C) Mixed numbers & improper fractions. D) Simplifying. E) Multiplication and division. F) Applications.	20.00%
3.- Decimals. A) Place value. B) Rounding. C) Addition and subtraction. D) Multiplication and division. E) Conversions to and from fractions. F) Applications	20.00%

4.- Ratio and proportion. A) Ratio. B) Rates. C) Proportions. D) Applications.	20.00%
5.-Percent, A) Percents and fractions. B) Percents and proportions. C) Percents and decimals. D) Applications.	20.00%
TOTAL	100.00%

COURSE CALENDAR.

Chapter1. The whole 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.
- 7) **Quiz # 1**
- 6.) An Introduction to Problem Solving.
- 9.) Exponents, Square roots and Order of Operations.
- 10.) **Test # 1**

Chapter 2&3 Adding, Subtracting, Multiplying and Dividing Fraction

- 1.) Introduction to Fractions and Mixed Numbers.
- 2.) Factors and Prime Factorization.
- 3.) Simplest form of a fraction.
- 4.) Multiplying fractions.
- 5.) Dividing Fractions.
- 6.) **Quiz # 2**
- 7.) Adding and Subtracting Like Fractions.
- 8.) Least Common Multiple.
- 9.) Adding and Subtracting Unlike Fractions.
- 10) Adding and Subtracting Mixed Numbers.
- 11).Order of Exponents and the Order of Operations.
- 12) Fractions and Problem Solving.
- 13) **Test # 2**

Chapter 4: Decimals.

- 1) Introduction to decimals.
- 2) Order and rounding.
- 3) Adding and Subtracting decimals.
- 4) Multiplying Decimals and circumference of a Circle.
- 5) Dividing decimals and the Order of operations.

6) Fractions and Decimals.

7) **Test # 3**

Chapter 5: Ratio and Proportion.

1) Ratios.

2) Rates.

3) Proportions

4) Proportions and Problem Solving.

5) **Quiz # 3.**

Chapter 6: Percent.

1) Introduction to Percent.

2) Percents and fractions.

3) Solving Percent Problems Using Equations.

4) Solving Percent Problems Using proportions.

5) Applications of Percent.

6) Percent and Problem Solving: Sales tax, Commission and Discount.

7) Percent and Problem Solving Interest..

8) **Test # 4.**

9) **Final Exam. Chapters One to Six.**

Date and place will be assigned.