MATH 071 PRE-ALGEBRA
FALL:2015

Session: M&W. 2:00 -3:25 pm. code10081 .bld.800. Room:806
Instuctor: 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 ANYCLASS IS **NOV.07TH (WITH A "W")**
!OTHERWISE YOUR GRADE WILL BE F.

Textbook:BASIC COLLEGE MATHEMATICS CUSTOM EDITION FOR IVC BY MARTIN-GAY

COURSE/CATALOG DESCRIPTION:

An introduction to the mathematical concepts needed for further study in Algebra.Topics covered will include the real number system,variable expressions,solving equations,measurement and conversions,and geometry(Nontransferable,nondegree applicable)

PRE-REQUISITES: MATH 061 with a minimum grade of C or appropriate placement.

GRADING CRITERIA: Letter Grade only.

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%

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**

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 be4 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).**

Classroom Expectations

- **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.**

- **Be Prompt!!! Class starts at 2:00 p.m., not 2:05 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.

- **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.

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

- **Food or Drink is NOT allowed in class!**

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

- 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.

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

- **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:

Upon course completation, the successful student will have acquired new skills,knowledge, and atitudes as demonstrated by being able to:
1.-Perform the basic operations with rational numbers.(ILO2)
2.-Compute the area and perimeter of standard geometric shapes.(ILO2)
3.-Solve equations appropiate for Pre-Algebra class.(ILO2).

MEASURABLE COURSE OBJECTIVES AND MINIMUM STANDARDS FOR GRADE OF"C":
Upon satisfactory completion of the course, students will be able to:
1.-Demonstrate skills in working with real numbers.
2.-Demonstrate an undestanding of variable expressions.
3.-Demonstrate an understanding of solving equations.
4.-Demonstrate and understanding of the English and Metric measurement systems in a wide variety of settings.
5.-Apply relevent formulas in application problems involving a variety of geometric figures.

CORE CONTENT TO BE COVERED IN ALL SECTIONS:

1. Real Numbers:
- **A. Order of operations**
- **B. Integers**
- **C. Addition and subtraction of integers**
- **D. Multiplication and division of integers**
- **E. Operations with rational numbers**
- **F. Rational and iirational numbers**
- **G. Properties of real numbers.**

2. Variable expressions
- **A. Evaluating variable expressions**
- **B. Simplifying variable expressions**
- **C. Translating verbal expressions into variable expressions.**

3. Solving equations
- **A. Solving equation using addition and/or muultiplication property of equality.**
- **B. Solving equations on one or both sides of the equation**
- **C. Translating sentences into equations and applications**

D. Applications

4. Measurement and Conversions
- **A. Conversions of weight length and capacity in English units**
- **B. Conversions of weight length and capacity in Metric units**
- **C. Temperature**
- **D. Applications**

5. Geometry
- **A. Basic Vocabulary**
- **B. Naming Polygons**
- **C. Circles**
- **D. Naming solids**
- **E. Perimeter and circumfrence**
- **F. Area and volume**
- **G. Plotting points on a Cartesian plane**
- **H. Applications**

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

Class Activity

Essay

Mid-Term/Final Exam(s)

Objective

Oral Assignments

Problem Solving Exercise

Quizzes

Skill Demonstration

Written Assignments

VIII. INSTRUCTIONAL METHODOLOGY:

Demonstration

Discussion

Group Activity

Individual Assistance

Lab Activity

Lecture

Simulation/Case Study

Audio Visual

Computer Assisted Instruction

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.

IX. ASSIGNMENTS:
Reading and Writing:
A sample reading and writing assignment will look like: 1. Read the assigned section in the textbook. 2. Complete the associated set of exercises.

Out-of-class:
A sample assignment for this class would look like: 1. Complete a set of assigned exercises using an online homework program. (Such as MathXL or MyMathLab) 2. Read the associated tutorial and watch the associated video as needed.

X. TEXTBOOK(S) AND SUPPLEMENT(S):
Prior (2010). Prealgebra (1st/e). Pearson. ISBN: 0321213785
Bittinger, Ellenbogen, Johnson (2008). Prealgebra (5th/e). Pearson. ISBN: 0321331907
Lial @ Hestwood (2008). Prealgebra: An integrated approach (1st/e). Pearson. ISBN: 032135639X