

IMPERIAL VALLEY COLLEGE – SPRING 2013

DATE: 01-15-2013

TO: IVC Academic Services

FROM: Santos M. Moran

SUBJECT: Course Syllabus

Prerequisites: Math 80, 81 with a grade of C or better, or an acceptable score
On the Computerized Placement Test (CPT)

Course No. & Name: Math 91 Intermediate Algebra

Class Days & Times: CRN 20198; Tuesday & Thursday from 7:30 AM to 10:00 AM
CRN 20220; Tuesday & Thursday from 7:30 AM to 10:00 AM

Course Goals: The students will develop an understanding of fundamental
Concepts, reasoning and skills in **Intermediate Algebra**
Necessary for success in further Mathematic Courses

Course Description: To Study; Basic of Functions, System of Linear Equations,
Inequalities and problem solving, radicals, radical functions, & rational exponents
Quadratic Equations & Functions, Exponential & Logarithmic Functions, Systems
Of nonlinear Equations, Sequences and Series

Textbook: **Introductory & Intermediate Algebra** for College Students **4th Edition**

Author: Robert Blitzer

Editors: Pearson

Student Learning Outcomes: Upon Satisfactory completion of this course, the
Student will be able to:

- a) Be able to recognize functions, & to find domain and range of functions
- b) Solve two by two, & three by three linear systems by elimination or/and substitution.
- c) Solve linear Inequalities with one variable, & their applications
- d) Solve equations involving radicals.
- e) Solve quadratic equations by factoring, completing the square, and quadratic formula.
- f) Solve an application involving exponential functions.
- g) Recognize and graph equations of conic sections.
- h) Recognize and solve problems involving sequences & series

Credit Hours: Lecture 5, Lab 0

Required Material(s): 1) **Textbook (Mandatory)**

2) Scientific (TI 30x IIs)/ Graphics Calculator (TI83+) (Both Optional)

Recommended References (optional):

- 1) Intermediate Algebra for College Students 6th Edition
Angel A, Semmler R, Petrie D; Prentice Hall Editors 2004
- 2) Elementary & Intermediate Algebra 1st Edition Tussy, A, & Gustafson, R
- 3) Intermediate Algebra 10th Edition, Author: Lial, Hornsby, McGinnis

Note:

Any Student with documented disability that may need educational
Accommodations should notify the instructor on the Disabled Student
Program and Services (DSP&S) and the office as soon as possible
DSPS Room 2117 Health Science Building PH (760) 355-6312

Student Responsibilities:

Attendance Policy: Under IVC policy students are expected to attend (100%)
Every session of class in which they are enrolled
(80% Attendance & 20% Absences)

Withdrawal Policy: If a student is unable to attend the course or must drop the course
For any reason, it will be the responsibility of the student to withdraw from the course
Before the withdrawal deadline **(13 of Apr 2013)**

Academic Integrity: Any student participating in acts of academic dishonesty, like stealing
stealing books, work & tests, using unauthorized "crib notes", forging an instructor's signature,
Plagiarism will be subject to the procedures and consequences outlined in the IVC code of
Conduct

Exam & Evaluation Procedures:

- 1.-3 Exams **(Mandatory)** = 60% (600)
- 2.-Final Exam **(Mandatory)** = 25% (250)
- 3.-Assignment Credit = 10% (100)
- 4.-Activities Credit, Participation & SP Projects =5% (50)

Grading Band:

- 90% (900)-100% (1000) = A
80% (800)-89% (890) = B
70% (700)-79% (790) = C
60% (600)-69% (690) = D
Below 60% (600) = F

Course Outlines (by Weeks):

- ❑ Chapter 4 Systems of Linear Equations, Week 1, & 2
- ❑ Chapter 8 Basics of Functions Week 2, 3, & 4
- ❑ Chapter 9 Inequalities & Problem Solving Week 5, & 6 **(First Exam)**
- ❑ Chapter 10 Radicals, Radical Functions, & Rational Exponents Week 7, & 8
- ❑ Chapter 11 Quadratic Equations & Functions, Week 9, 10 **(Second Exam)**
- ❑ Chapter 12 Exponential & Logarithmic Functions, Week 11, & 12
- ❑ Chapter 13 Conic Sections & Systems of Nonlinear Equations, Week 12, &13
- ❑ Chapter 14 Sequences, Series, & The Binomial Theorem Week 14, &15 **(Third Exam)**
- ❑ **Final Exam: Week 16**

All Students with Final Exam = or > 125 Points, this Points Will Be Added to the Global Total Points to get the Final Grade

The Final Points of 125 Represent an Average of 50% of Final Exam

If Final Exam is < 125 points, the Points will be subtracted to the Global Total Points if you are between 40 to 90 Points, If you are below 40, Automatically you will have an F as a final grade.

Assignments:

- 1) Every Chapter Review Exercise (Total of 8 Home works)
- 2) Read at least one section in advance per session (Optional & Controlled by Student)

Exams:

Total of 4 Exams (Turn in the Reference Chart in Check-Point in →Each Exam)

INSTRUCTOR INFORMATION:

Name: Santos M. Moran

Office Telephone #: (928) 314-9449 Yuma AZ **(Message only)**

Email Address: moran_smm@yahoo.com