

Syllabus Math 90- Intermediate Algebra (4 units) Spring 2012

INSTRUCTOR: Jarom Viehweg
SECTION 39242 **CLASS HOURS:** MW 4:00-5:50 p.m. **ROOM:** 30-10
SECTION 39249 **CLASS HOURS:** MW 6:00-7:50 p.m. **ROOM:** 30-6
E-MAIL: jarom.viehweg@vvc.edu
OFFICE HOURS: Immediately after class/during break

PREREQUISITE: MATH 50 with a grade of 'C' or better or eligibility as determined by VVC assessment.

COURSE DESCRIPTION: This course is designed to serve as a preparation for the study of College Algebra, Statistics, Trigonometry and other college mathematics courses. Topics include a review of the real number system, an introduction to imaginary and complex numbers, the solution of first degree, quadratic and systems of equations, polynomials, rational expressions, exponents and radicals, graphs of functions (both linear and nonlinear) and of relations, and exponential and logarithmic functions.

STUDENT LEARNING OUTCOMES: Upon completion of the course the student can:

1. find the domain of polynomial, radical, rational, exponential and logarithmic functions.
2. express sets and inequalities using set notation and interval notation.
3. choose an appropriate method (graphing, substitution, elimination, row reduction of matrices, or Cramer's Rule) to solve a system of equations or an application involving a system of equations and determine whether the solution is reasonable.

TEXTBOOK: *Intermediate Algebra, 8th edition*, Bittinger, Ellenbogen

REQUIRED MATERIALS: **MyLab (formerly MyMathLab) is required** in order to complete homework assignments. You can purchase access directly from www.pearsonmylab.com for \$82 (online textbook included) or use the access code bundled with the textbook Valpak from the bookstore. The **MyMathLab Course ID** for this course is **viehweg65312**. The **i>clicker2** (or the *web>clicker* application for iPhone and Android) **is also required** in order to complete in-class participation assignments.

IMPORTANT DATES:

February 13-	First day of class
February 20-	Washington Day Holiday (no class)
February 24-	Last day to drop without a "W"
February 26-	Last day to add
March 30-	Last day to drop with a "W"
April 9-13-	Spring Break
May 28-	Memorial Day Holiday (no class)
June 6-	Last day of class/Final Exam

EXPECTATIONS: Because it is my hope that each of you is successful in this course, I expect that each of you will be respectful to me and to each other. In part, this includes **turning off any cell phones** (or switching them to silent mode) **and other personal electronic devices** during class time (including during exams) and **leaving them away**.

You are required to attend class every day. After 4 hours of absence, **you may be dropped** from this class. It is your responsibility to keep your enrollment status current. You risk an "F" if you stop attending without officially withdrawing. **You are responsible for any announcements made in class** whether you are present or not. Do not bring friends or children to class.

GRADING CRITERIA:

Exams:	60%
Homework:	10%
Participation:	5%
Final Exam:	25%

GRADING SCALE:

A	90-100%
B	80-90%
C	70-80%
D	60-70%
F	Less than 60%

GRADING POLICY: Grades will be based on chapter exams, homework, in-class participation, and a cumulative final exam. The lowest homework and exam scores will be dropped before computing the final grade. The final exam will not be dropped.

EXAMS: No calculators or notes of any kind will be allowed on exams (unless otherwise specified by the instructor). Any exam not taken will be regarded as a "0." Students are expected to complete all exams during class on the dates and times scheduled. **No make-up or re-take exams will be given** (although one regular exam score will be dropped).

HOMEWORK: In elementary mathematics courses, *correct* practice and repetition are essential to success. Consequently, I will assign homework for each topic that we discuss. Homework will be assigned by chapter and must be completed in *MyLab*. Therefore, **you must have access to MyLab**. Each student should expect to spend at least 2 hours doing homework for each hour this class meets. **Late homework will not be accepted**, and no exceptions to this rule will be made for "technical difficulties," etc. The lowest homework score will be dropped.

PARTICIPATION: Points will be given for daily in-class participation exercises, many of which will require the use of the *i>clicker2*. At the end of the semester, I will determine an appropriate cap for participation points based on how many participation assignments were given over the course of the semester.

ACADEMIC DISHONESTY: Cheating of any form will not be tolerated in this class. If it is determined that a student cheated on an assignment or exam, he/she will be dealt with as harshly as the college allows, including but not limited to receiving a "0" on that assignment/exam. Students are expected to earn their grade through *their* own hard work and by demonstrating *their* knowledge.

STATEMENT OF ACCESS: Students with special needs are encouraged to meet with instructors to discuss the opportunity for academic accommodation and to be referred to disabled student program and services per Administrative Procedure (AP 3440).

TENTATIVE CLASS SCHEDULE: An effort will be made to adhere as closely as possible to this schedule. However, if we can ever “get ahead” of the pace, we will take the opportunity to do so in case we need extra time on other material later in the course. I will make every effort to keep the test dates as scheduled, and will notify the class in advance if any dates need to be changed.

SECTION TO BE COVERED			SECTION TO BE COVERED		
M	2/13	Intro, 1.1 – 1.4	W	4/11	Spring Break
W	2/15	1.5 – 1.7, 2.1	M	4/16	7.1–7.2, Review
M	2/20	Washington Day Holiday	W	4/18	CH. 5, 6 EXAM
W	2/22	2.2, 2.6	M	4/23	7.3–7.5
M	2/27	2.3–2.5	W	4/25	7.6–7.8
W	2/29	3.1–3.3, Review	M	4/30	8.1–8.2, Review
M	3/5	CH. 1, 2 EXAM	W	5/2	CH. 7 EXAM
W	3/7	3.5, 3.6	M	5/7	8.3–8.5
M	3/12	3.7–3.8*, 4.1	W	5/9	8.6–8.7
W	3/14	4.2–4.4, 4.5*	M	5/14	8.8–8.9, 9.1
M	3/19	5.1, 5.2, Review	W	5/16	Review, CH. 8 EXAM
W	3/21	CH. 3-4 EXAM	M	5/21	9.2–9.5
M	3/26	5.3–5.7	W	5/23	Memorial Day Holiday
W	3/28	5.8, 6.1–6.2	M	5/28	9.6–9.7, Review
M	4/2	6.3–6.5	W	5/30	CH. 9 EXAM
W	4/4	6.6–6.8	M	6/4	Review
M	4/9	Spring Break	W	6/6	FINAL EXAM