

Intermediate Algebra

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Course Compass Course ID..... mccleery52202, website available April 3, 2015
Course Web Site..... <http://mymathlab.com/>

Students with Disabilities

If you are a student with a disability and may need classroom accommodations, contact Disability Support Services in the Counseling and Career Services Office, or call 360-416-7654 (Mount Vernon Campus) or 360-679-5351 (Whidbey Island Campus).

Learning Goals

- Solve quadratic equations and inequalities.
- Solve linear, compound, absolute-value and quadratic inequalities
- State solutions to linear, compound, absolute value and quadratic inequalities using set-builder and interval notations.
- Graph solutions to linear, compound, absolute value and quadratic inequalities.
- Solve quadratic equations using factoring, completing the square, and the quadratic formula.
- Identify components of rational exponents.
- Convert between rational exponent and radical notations.
- Solve equations utilizing rational exponents.
- Solve equations with radical notation.
- Graph quadratic functions.
- Perform computations with complex numbers.
- Determine composite functions.
- Determine inverse functions.
- Graph exponential and logarithmic functions.
- Apply properties of logarithms.
- Solve exponential and logarithmic equations.
- Solve applications related to exponential and logarithmic functions.
- Solve applications relevant to course content.
- Have a broader understanding of the history of mathematics and its contributors.
- Apply alternative mathematical techniques, from a historical perspective, where appropriate.
- Understand how mathematics is used in other fields and occupations.

Textbook

Math 099, Intermediate Algebra

OPTIONAL PHYSICAL TEXT: Elementary and Intermediate Algebra: Functions and Authentic Applications, Jay Lehmann, Pearson, (any edition)

REQUIRED ELECTRONIC TEXT: MYMATHLAB ACCESS CODE

Calculator

A graphing calculator is required. The mathematics department recommends the TI-83, TI-83 Plus, TI-83 Silver Edition, TI-84, TI-84 Plus, or TI-84 Silver Edition. You may rent a calculator for \$20 per term. If you are interested, please let me know.

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Online Exams (30% of final grade)

Exam 01	Chapter 11	Online	One attempt allowed	1.5 hours
Exam 02	Chapter 12	Online	One attempt allowed	1.5 hours
Exam 03	Chapter 13	Online	One attempt allowed	1.5 hours
Exam 04	Chapter 15	Online	One attempt allowed	1.5 hours

*NOTE: before you attempt an exam you are strongly urged to take the appropriate practice post-test. The post-tests do not count toward your grade and will give you excellent practice for the exams.

Homework Assignments (30% of final grade)

Homework assignments are online.

In-Place Final Exam (40% of final grade)

At the end of the term there will be a cumulative, in-place, final exam. You will be required to physically come to a proctored exam site to take the exam. You will also need to bring picture ID. The details of when and where you can take the final exam will be distributed toward the end of the term. **NOTE: regardless of your overall average in the class if you do not score 50% or higher on the final you will fail the class.**

Study Plan

The Study Plan assignments are optional. You may use these to practice any portion of the material; however, this work does not affect your grade.

Grading Scale

93% - 100% =	A
90% - 92% =	A-
87% - 89% =	B+
83% - 86% =	B
80% - 82% =	B-
77% - 79% =	C+
73% - 76% =	C
70% - 72% =	C-
67% - 69% =	D+
60% - 66% =	D
0% - 59% =	E

Incomplete Grades

Incomplete grades will generally **not** be given; however, life does have a way of intervening in our well-constructed plans so if you feel you have adequate justification for an incomplete grade please contact me before the last week of the term and we can discuss the options. Also, please understand that incomplete grades are given at the discretion of the instructor.

Communications

Most communications will be via announcements and email. Checking your email and the announcements on the MyMathLab site daily is critical. You are responsible for all of the information that I send to you via e-mail and all posted information in the announcements and other documents. **Please include your full name and class name in the subject area of every e-mail message you send to me.**

Within an hour of registering for classes, you will have a MySVC account, which will include a MySVC email address. This email address is the primary form of email communication that

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SVC will use with you. For more information on how to access your MySVC account, please visit our main website: <http://www.skagit.edu/mysvc>.

Drop-In Tutoring

Please check the course Announcements for times and dates of the drop-in tutoring sessions. Drop-in tutoring is offered on both the Mount Vernon Campus and the Whidbey Island Campus.

Student Academic Documents

These links lead to the Student Honor Code, Student Conduct Code, and the Student Complaint Policy. Please take a few minutes to read these documents.

<http://www.skagit.edu/honorcode>

<http://www.skagit.edu/conduct>

<http://www.skagit.edu/complaint>

General Education

Mathematical Reasoning

- Definition: Understanding and applying the concepts of mathematics, and logical reasoning in a variety of contexts, both academic and non-academic.
- Outcomes: Students will be able to:
 - Analyze problems to determine what mathematical principles apply.
 - Correctly apply logical reasoning and mathematical principles to solve problems.
 - Interpret information and reasoning expressed mathematically (for example in spreadsheets, diagrams, charts, formulas, etc.).
 - Communicate mathematical information effectively.