Syllabus
Intermediate Algebra
Aviation Theme
MATH A105 Section 605
Fall 2015

Class Times: Tuesday and Thursday 8:30-9:45 a.m.
Classroom: SSB 253
Instructor: Dr. Mark Fitch
Office: SSB 154D
Office Hours: Monday, Wednesday, Friday 10:00-11:15 a.m. See http://www.math.uaa.alaska.edu/~afmaf/classes for all available times.
Office Phone: 786-1656
Email: mafitch@uaa.alaska.edu
Web: Blackboard: http://blackboard.uaa.alaska.edu/
Instructor: http://www.math.uaa.alaska.edu/~afmaf/classes


Resources:
Office hours: come by at your convenience or send email any time
Math Tutoring Lab: Free tutoring in SSB 170 and SMH
Instructor’s web site: http://www.math.uaa.alaska.edu/~afmaf/classes
Blackboard: http://blackboard.uaa.alaska.edu/

Prerequisites: You need to be familiar with basic algebraic operations and be comfortable with the arithmetic of fractions.

Topics: Topics include expressions, equations and applications involving linear, quadratic, rational and radical functions; graphs of linear and quadratic functions; functions and their inverses; introduction to exponential and logarithmic functions; and systems of linear equations.

Goals: By the end of the appropriate section you should be able to combine, compose, evaluate and graph functions and inverse functions, demonstrate graphical competency for linear, quadratic, absolute value, rational and square root functions, graph and interpret exponential and logarithmic functions, and solve applied problems using appropriate algebraic techniques.

Grading: Your grades will reflect your ability to perform the tasks outlined in the goals and to clearly explain how you accomplished the tasks. The explanation will be worth most of the credit for each problem. This means that the steps in a solution are more important than the result. Credit will be given for every correct step in a problem.

Instruction: We will learn in class through presentations by the professor, in class explorations—often in groups, and some in class drill. Active participation in class is necessary for success though it is not graded. You will continue to learn outside class through homework to increase
mechanical skills. Please be aware that asking questions outside of class may be vital to your learning process.

**Evaluation**

| Component       | Weight  
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<thead>
<tr>
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<tbody>
<tr>
<td>Quizzes and Homework</td>
<td>20%</td>
</tr>
<tr>
<td>Exams</td>
<td>15% × 4</td>
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<tr>
<td>Final Exam</td>
<td>20%</td>
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Please see the assignment description sheet for details.

Homework and quizzes will be given during each class period. There will be four exams and a final exam. The final exam will be on December 10th from 7:00-9:45 a.m.

If you have a certified learning disability, please inform the instructor so that the university sanctioned assistance can be provided.

**Scale**

- **A** 90-100  
  Grades of C or higher indicate preparedness to progress to additional mathematics courses.
- **B** 80-89  
  Grades of B or A indicate an above average grasp of the material.
- **C** 70-79  
  Grades of B or A indicate an above average grasp of the material.
- **D** 60-69  
  Grades of B or A indicate an above average grasp of the material.
- **F** 0-59

**Guidelines**

- **Instructions**: If you do not understand any instruction or a question, please ask before the work is due. An assignment may be submitted only once.
- **Feedback**: Explanations of errors on assignments may be provided by posted answer keys instead of on the returned papers.
- **Corrections**: If you discover a mistake in any graded work, please bring it to the attention of the instructor as soon as possible.
- **Incomplete assignments**: Homework and quizzes not turned in receive no credit.
- **Late Work**: Late homework and quizzes need not be submitted. Please arrange excused absences for exams before the exam if at all possible. If you cannot make arrangements before the exam, then the final exam grade will replace that exam score. If the university is closed for an emergency on an exam day, the exam will occur on the next class session.
**Attendance**

Daily attendance is vital to success in this course. Some material is not covered in the textbook nor in the online materials.

If you will be required to miss class for university business, including but not limited to athletics and forensics, please inform the instructor at the beginning of the semester or session.

Failure to attend for more than 4 class periods may be regarded as withdrawal and a faculty initiated drop may be processed. Attendance is recorded by submission of the daily quiz or homework. Should the last date of your class attendance be required, it will be determined by the last date of any material submitted by you for recording in the class grade record. If you have evidence that your date of last attendance is otherwise, you must inform your instructor of such prior to the assignment of your final grade. The date of last attendance may impact financial aid.

Most graded assignments are returned at the beginning of class. If you miss this, you will need to come to the instructor’s office to obtain the assignment. All assignments not collected by the final exam will be destroyed as required by FERPA.

**Academic Honesty**

Use of any communication device during an assessment is prohibited. The instructor will note when accessing the internet is needed for class. Audio devices may not be worn during any assessment.

**Non-Academic Assistance**

The mission of the UAA CARE Team is to promote a safe and productive learning, living and working environment by addressing the needs of students. If you, or someone you know, needs support, is distressed, or exhibits concerning behavior help by making a referral to the CARE Team. Contact the CARE Team by: filling out a referral on http://www.uaa.alaska.edu/CareTeam; E-mail your concern to Care@uaa.alaska.edu; or call the Care Team phone number: 786-6065; if an emergency—call UPD or 911.

**Courtesy**

Courtesy in the classroom is important for learning. Remember students and instructors come from varied cultures and backgrounds: be mindful of others as you interact.