MATH F161X-F61: Algebra for Business and Economics (3 cr.)
Summer Session 2013 (May 28th to July 3rd 2013)

Times and Location: MTWR 2-3:50 pm CHAP 106

Instructor: Dr. Anthony Rickard

Office: Office: 102 Chapman
Phone: 474-5374
Email: adrickard@alaska.edu

Office Hours: MTWR 12:30-1:30 pm and by appointment.

Course Text: Functions for Calculus (6th Edition), by Stewart, Redlin, Watson, and Tan. Additional materials and required readings will be distributed in class.

MATH 161 focuses on algebraic, exponential, and logarithmic functions, as well as matrices, geometric progressions, and applications to compound interest and present value problems. MATH 161 is a core course and is the prerequisite for MATH 262: Calculus for Business and Economics.

Course Requirements

Cell phones should be turned off during class. There will be a short break about halfway through each class during which you can check messages, text, make calls, etc.

Quizzes. Six quizzes will be administered during the term. Each quiz is worth 50 points and will cover material for one chapter from the course text. Quizzes will consist of problems and possibly short answer questions. Calculators may be used during quizzes but not cell phones nor computers. All quizzes are closed book and closed notes.

Homework. Six homework assignments will be given during the term and the lowest score will be dropped when calculating the final grade. Each homework assignment is worth 20 points. Homework assignments will typically consist of problems from the text and will be evaluated on validity of answers and completeness of work. Homework assignments should be organized and solutions to problems presented in the order that the problems are assigned, with complete work shown in a clear, logical, and legible format, with the final answer circled. Homework assignments should also be stapled. Homework assignments that do not conform to these guidelines will not be graded and will not receive any credit.

Final Exam. The comprehensive final for MATH 161 is worth 100 points. The final exam will be administered on July 3rd 2013 from 2-3:50 pm. You may use a calculator on the final exam but not a cell phone nor a computer. The final exam is closed book and closed notes.
Grading Distribution

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 quizzes @ 50 points each</td>
<td>300</td>
</tr>
<tr>
<td>5 homework assignments @ 20 points each</td>
<td>100</td>
</tr>
<tr>
<td>Comprehensive Final Exam:</td>
<td>100</td>
</tr>
<tr>
<td>Total points possible:</td>
<td>500</td>
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Grading Policy

450 – 500 points: A
400 – 449 points: B
350 – 399 points: C
300 – 349 points: D
299 points or less: F

Attendance Policy

Attendance will be taken at the beginning of each course meeting. You are encouraged to attend all course meetings. However, students are allowed a total of five (5) absences during the term. Missing more than five (5) course meetings will result in failing MATH 161.

Additional Course Policies and Information

Department of Mathematics and Statistics (DMS) course policies will be observed in MATH 161. These policies include:

- Incomplete grades will only be given if a student has completed the substantial majority of the course with a grade of C or better and, for extenuating circumstances beyond her or his control, is unable to complete the course.
- Late withdrawals will only be granted in cases where a student has performed at a level of C or better and has exceptional reasons for withdrawal that are beyond her or his control.
- The final exam will not be administered earlier or later than the date and time published in the official schedule and/or in this syllabus. Individual exceptions are possible only in exceptional circumstances.

Regarding homework and chapter quizzes.

- All homework assignments will be collected at the beginning of class on the date the assignment appears on the syllabus. Late homework will not be accepted except under extenuating circumstances. Contact the instructor immediately if you will be unable to complete a homework assignment on time.
- Chapter quizzes will be administered on the dates shown in the syllabus. The instructor will announce any changes to the chapter quiz schedule in advance. If you believe you will be unable to complete a chapter quiz on the scheduled date due to extenuating circumstances beyond your control, see the instructor immediately.
Finally, all students are expected to adhere to the UAF Student Code of Conduct in MATH 161. Consult the academic catalog or see the instructor if you have questions. Also, see the DMS webpage for additional policies and information, including the Summer Sessions schedule for the Math Lab in CHAP 305, at www.uaf.edu/dms. Qualified students who desire additional assistance with MATH 161 may check with Student Support Services or the Office of Disability Services. Students are encouraged to form study groups for MATH 161 and/or seek additional assistance from the instructor or the DMS Math Lab as needed.

Course Calendar

NOTE: The course calendar below may be modified.

5/28: Introductions; Begin Chapter 1: Fundamentals (1.1-1.8 and 1.10).

5/29: Chapter 1 continued.

5/30: Chapter 1 continued.

6/3: Complete Chapter 1; homework #1 due; Chapter 1 quiz.

6/4: Begin Chapter 2: Functions (2.1-2.4, 2.5, and 2.7).

6/5: Chapter 2 continued.

6/6: Chapter 2 continued.

6/10: Complete Chapter 2; homework #2 due; Chapter 2 quiz.

6/11: Begin Chapter 3: Polynomial and Rational Functions (3.1-3.4 and 3.7).

6/12: Chapter 3 continued.

6/13: Chapter 3 continued.

6/17: Complete Chapter 3; homework #3 due; Chapter 3 quiz.

6/18: Begin Chapter 4: Exponential and Logarithmic Functions (4.1-4.5).

6/19: Chapter 4 continued.

6/20: Chapter 4 continued.

6/24: Complete Chapter 4; homework #4 due; Chapter 4 quiz.
6/25: Begin Math of Finance with sequences and series (5.1-5.2 and 5.4).

6/26: Math of Finance continued.

6/27: Complete Math of Finance; homework #5 due; Math of Finance quiz.

7/1: Begin Chapter 10: Systems of Equations and Inequalities (10.1-10.2, 10.8-10.9).

7/2: Complete Chapter 10; homework #6 due; Chapter 10 quiz.

7/3: Final Exam.