TEXT:

PREREQUISITE:
Level MA102 on Placement Exam.

DESCRIPTION:
Designed to introduce linear models and their applications, graphing of linear and quadratic equations, and to foster the growth of proficiency in a range of algebraic topics including factoring strategies. Does not satisfy the Campus General Education Mathematical Reasoning requirement.

EXAMINATIONS:
In addition to individual instructor requirements, all A100 students will be given a common midterm and final. The midterm and final exams are each worth 30% of your final grade. The remaining 40% of your grade may consist of homework, quizzes, tests, attendance, participation, and/or any other component, and is entirely at your instructor’s discretion.

Grades will be assigned according to the following scale:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>97-100%</td>
</tr>
<tr>
<td>A</td>
<td>93-96%</td>
</tr>
<tr>
<td>A-</td>
<td>90-92%</td>
</tr>
<tr>
<td>B+</td>
<td>87-89%</td>
</tr>
<tr>
<td>B</td>
<td>83-86%</td>
</tr>
<tr>
<td>B-</td>
<td>80-82%</td>
</tr>
<tr>
<td>C+</td>
<td>77-79%</td>
</tr>
<tr>
<td>C</td>
<td>73-76%</td>
</tr>
<tr>
<td>F</td>
<td>0-72%</td>
</tr>
</tbody>
</table>

PLEASE NOTE: THERE IS NO “D” GRADE.

TEXT COVERAGE:
The class will proceed according to the following outline:

Review of Order of Operations (using provided handout and sections 1.1-1.6 from the book)
10.1 Radical Expressions (skip graphs)
1.6 Properties of Real Numbers
1.7 Simplifying Expressions
2.1 The Addition Property of Equality
2.2 The Multiplication Property of Equality
2.3 More on Solving Linear Equations
2.4 Applications of Linear Equations
2.5 Formulas and Additional Applications from Geometry
2.6 Ratio, Proportion, and Percent
2.7 Further Applications of Linear Equations (only basics concepts of money/mixture/motion like # 9,11,13,37,39)
2.8 Solving Linear Inequalities
3.1 Linear Equations and Rectangular Coordinates
3.2 Graphing Linear Equations in Two Variables
3.3 The Slope of a Line
3.4 Slope-Intercept Form of a Linear Equation
3.5 Point-Slope Form of a Linear Equation and Modeling

This ends the material that needs to be completed prior to the midterm that will be administered in 6th or 7th week of the semester. The midterm is worth 30% of your grade. It covers the material from sections 10.1 to 3.4 from the list above.
This ends the material that needs to be completed after the midterm. The final exam will be administered during the finals-only week (16th week). It is worth 30% of your final grade. It covers the material in sections 8.1 to 5.5 from the list above.

USE OF CALCULATORS:
Calculators ARE allowed in A100. Strongly recommended calculators are TI-30 (scientific) and TI-83/84 (graphing).

MATH ASSISTANCE CENTER:
IUN provides free math tutoring services on a walk-in basis at HH 436. In order to accommodate students with varying schedules, we offer evening and Saturday hours. For more information, please call the MAC at (219) 981-6979 or check the web page http://www.iun.edu/math/student-resources/Math_Assistance_Center.htm . Before visiting the Math Assistance Center remember to organize your questions in advance, and be prepared to show your own homework attempts.

STUDENTS WITH DISABILITIES:
If you have a documented disability and need assistance, special arrangements can be made to accommodate most needs. Visit Student Support Services at HH 239 (980-6798) or go to the web page http://www.iun.edu/~nwstuden/supportn/ for more information.

ELECTRONIC COURTESY:
So as not to disturb others please make sure all electronic devices are either turned off or in the silent mode when coming into the classroom. Use of cell phones is prohibited during exams.

DEPARTMENT OF MATHEMATICS AND ACTUARIAL SCIENCE WEB PAGE:
To find more about mathematics courses, programs and faculty visit http://www.iun.edu/math/ .

IU’s FLAG Early Alert System is used to provide real-time feedback on your performance in this course. Periodically throughout the semester I will be entering data on factors such as your class attendance, participation, and success with coursework, among other things. This information will provide feedback on how you are faring in the course and offer you suggestions on how you might be able to improve your performance.
You will be able to access this information in the student center: Onestart > Student Services page > Student Center > My Academics and Grades > My Grades.