Math 100: Intermediate Algebra

Professor: Mr. Roger Wolbert  
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Office Hours: Mondays, Wednesdays, Fridays: 9:00-10:00 a.m.  
Tuesdays, Thursdays: 1:00-2:00 p.m.  
Other times by appointment.

Teaching Load:
MWF 8:00-8:50  DH204  Math 100-010 (CRN 21384)  Exam: Monday, May 7  8:00-10:00
MWF 10:00-10:50  DH204  Math 100-007 (CRN 21383)  Exam: Monday, May 7  10:15-12:15
TR 11:00-12:15  DH216  Math 104-008 (CRN 21517)  Exam: Tuesday, May 8  10:15-12:15
TR 2:00-3:15  DH217  Math 150-002 (CRN 21518)  Exam: Tuesday, May 8  12:30-2:30
TR 3:30-4:45  DH216  Math 104-011 (CRN 21544)  Exam: Thursday, May 10  12:30-2:30

Catalog Description
This 3-credit course is intended for students who are not adequately prepared for MATH 105. The course begins with a brief review of elementary algebra, and then emphasizes the following ideas: rational expressions and equations, radical expressions and equations, quadratic equations, and an introduction to functions and relations. Prerequisite: MATH 020 or an acceptable placement score. (Course does not satisfy math skill requirement for general education.)

Textbook
Introductory and Intermediate Algebra – 2nd Ed., by D. Franklin Wright. ©2012. Publisher: Hawkes Learning System. We will be using online software for homework assignments and lessons. Although you can borrow/share a textbook or buy a used one, you must have your own personal Access Code for the Hawkes Learning System’s software. Each student has a unique code that cannot be reused or sold. You can purchase the online subscription through the bookstore or at http://www.hawkeslearning.com. Do not delay purchasing and setting up your online Hawkes account.

Calculators
You can use any scientific calculator for this class. Those using a calculator on an exam must be willing to allow me to clear all memory before the exam (this includes programs). You cannot use the calculator on your phone or share a calculator on assessments.

Dates to put on your calendar
January 23  First day of class  April 6  Last day to withdrawal
January 27  Last day to drop the course  April 13  Exam 3
February 17  Exam 1  May 4  Last day homework is accepted
March 2  Exam 2  May 7  Final Exam
March 10-18  Spring Break  Other assessments are posted on D2L’s calendar

A Note about the American Disabilities Act
I would appreciate hearing from anyone in this class who has a disability and may require some special accommodation. I am reasonably sure that we can work out whatever arrangement is necessary, be it special seating, testing, or other accommodations. See me after class or during my office hours. Appropriate documentation from the Office for Students with Disabilities is required.

General Expectations:  Be active.  
Be courteous.  
Be prepared.  
Be honest.

You are also expected to keep a bounded notebook for homework, not doing it on scrap paper.
Target Outcomes (Objectives) You will be able to…

1. simplify polynomial expressions
2. solve linear equations and inequalities in one variable
3. solve applied problems involving linear functions
4. solve absolute value equations and inequalities in one variable
5. determine graphs, slope, intercepts, and equations of linear functions
6. demonstrate facility with integer and rational exponents
7. manipulate polynomial expressions
8. factor polynomial expressions
9. simplify rational expressions and solve rational equations
10. simplify radical expressions and solve radical equations
11. solve and apply quadratic equations
12. graph and perform basic operations on functions and relations

Course Requirements
You will be assessed on three examinations, about 6-10 classwork assignments, and 6-10 homework quizzes. Homework is part of each assessment’s grade (further discussed under Homework below). Grades will be based on mastery and retainment of most course objectives. Assessments are not based on points and percentages per se, but on the level of mastery that you have achieved. Assessments are graded with a rubric in D2L. EUP’s standard grading system with letter grades and descriptions are used when evaluating assessments with the rubric as outline below.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Score</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.0</td>
<td>Work of exceptional quality;</td>
</tr>
<tr>
<td>B+</td>
<td>3.5</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>3.0</td>
<td>Superior work;</td>
</tr>
<tr>
<td>C+</td>
<td>2.5</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>2.0</td>
<td>Average work that indicates good quality in daily recitation, assignments and examinations;</td>
</tr>
<tr>
<td>D+</td>
<td>1.5</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>1.0</td>
<td>Work that is below average or unsatisfactory;</td>
</tr>
<tr>
<td>F</td>
<td>0.0</td>
<td>Failure.</td>
</tr>
</tbody>
</table>

You will be assessed on Objectives 1-9 at least three times. This is intended to show your improved understanding and retention of the material. As a reward to you, if your homework for an objective group is complete, you’ve earned at least a C on the third assessment, and you’ve been attentive to the general expectations, you will be exempt from that objective on the final exam. If, however, on the third assessment the homework for that objective is incomplete, the portion of the exam corresponding to that objective will not be graded and you will not be exempt from that portion of the final exam.

Objectives 10-12 will be assessed on the final examination. Objectives that are not exempt will be graded on the final exam without regard to completion of the homework. Each objective has its own final letter grade, and the final letter grade for the course is simply the average of each objective’s grade, using the 4.0 scale as seen above. You will also be able to redo any objectives on the final exam that have an exemption status, and you will be given that new grade – even if it is lower.

You must make reasonable attempts on all assessments for Objectives 1-9. If you only have one reasonable attempt for an objective, the highest score you can achieve (no matter the latest performance) is a D for that objective. If only two reasonable attempts are made, the highest achievable score for that objective is a D+. I determine what is “reasonable.”

Homework
To pass this course, homework is by far the most important component. Homework is completed online so that you are given instant feedback. This benefits you by stopping you if you are developing incorrect habits but also confirming what you are doing is correct. It is strongly recommended that homework is completed as soon as possible after class while the material is fresh in your mind. This also allows you to seek assistance from me or a tutor on your non-math day if needed. Homework assignments are due by 10:00 a.m. This allows you to upload certificates between 9:00-10:00 a.m. (my office hours) if working offline.

Since assignments can be done at home (on and offline) or at school, I maintain a “no excuses” policy on completing your homework. Contact Hawkes immediately if you are having technical problems at 843-571-2825, or go to live-chat on their website. Homework accounts for about 10% of your grade and is incorporated into your grade on each assessment. You will be able to find those results in D2L. This percentage is used to distinguish your grade by at least half a letter grade. Homework is separated in the Hawkes Learning System by the objectives listed above. In order for you to get credit for your homework, you must complete all homework in that objective group (4/4 points). If even one assignment is missing in that group, you get no homework points for that objective (It’s all or nothing). Again, completing your homework is very important.

Additional course information
Additional course information, such as assignments and schedules, are posted in the Hawkes Learning System and in Desire2Learn (D2L). Exam dates are basically set in stone. Please review the Edinboro University’s attendance policy.