Math 99, Intermediate Algebra
Olympic College, Spring 2017

Instructor: Jason Heinze Office: ST 112
Office Hours: T Th 11-12:50pm, W 1-1:50pm
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Lectures: MWF 11:30am-12:54pm in HSS 302

Text: ***Intermediate Algebra*** (4th edition) by Miller, Hyde, and O'Neill

Course Content: Topics include: graphing linear equations, quadratic equations; systems of equations; rational expressions; radical expressions and rational exponents.

Required Materials: Scientific Calculator

Course Objectives: Students finishing this course should be able to:

- Graph equations of lines and use such graphs and equations to model relationships involving constant rates of change.
- Solve systems of linear equations and a variety of non-linear equations.
- Develop linear, quadratic, and linear system models to describe real world situations.
- Use a scientific calculator as a tool in computations and problem solving.
- Interpret and solve problems graphically, numerically, symbolically, and in writing.
- Communicate clearly and effectively in the symbolic language of mathematics.
- Apply systematic procedures to simplify and evaluate rational and radical expressions.
- Simplify expressions involving rational exponents using the rules of exponents and radicals.
- Recognize and use function notation.

Learning Disabilities/ Special Needs and Requests: If you have a learning disability or any other special needs or requests please speak with me, as soon as possible, so we can discuss any assistance that would be helpful and/or notify the Access Services Office.

Learning Resources: Tutoring is available in the *Math Study Center*. You may also come to my posted office hours or drop by and check to see if my office door is open or make an appointment in advance. I would encourage you to find a group to collaborate with outside of class.

Policies:

a. Attendance is highly encouraged, but not mandatory. Be warned, however, that should you miss a class, you will be held responsible for all the material and work done during your absence.
b. If you MUST miss an EXAM, you will need to make prior arrangements or leave a message in case of unexpected illness or emergency. If you do not call or email me, you will not be allowed to make it up.

Grading:

Your course grade will be based on the following:

15%	Homework, In-class worksheets, quizzes
60%	Exams 1-3 (20% each)
25%	Final Exam

The scale for numerical grades will be:

95% = 4.0 85% = 3.0 75% = 2.0 65% = 1.0 55% = 0.0

[Each one percent = 0.1 grade point.]

No grade points will be given except those listed above. Students who quit coming to class and do not officially withdraw through the registration office will receive an "F" for the course.

Disclaimer: Please be aware that certain aspects of the course may be modified in order to meet the needs of the class.

How to succeed in this class:

- You will need to do the homework that I assign. Learning algebra takes practice and there is no better practice than working through the assigned problems.
- You should ask questions, especially when you are struggling. Feel free to blurt out questions during lecture.
- Read the book, whenever you can. It will answer a lot of your questions and help you understand the lecture.
- Don't get discouraged. I truly believe that anyone can learn algebra. It does take time though.
- Attend class. A big portion of your learning will happen in class. Also, good attendance shows me that you are putting forth effort.

Math 99, Intermediate Algebra: Schedule of events and exercises

Dates:	Topics/Events:	Required Homework:
Week 1 April 3–7	Review of Factoring Sections: 2.7,3.1	2.7 #1,3,5,29-41odd 3.1 #1-15odd,19,23,25
Week 2 April 10-14	Sections: 3.2-3.4	3.2 #1,3,5,9,13,17,23,27,33,35 3.3 #1-11odd,15,17,19,41 3.4 #5,7,11,13,17,19,23,25
Week 3 April 17-21	Sections: 5.1, 5.2 **Exam #1- Wednesday**	5.1 #3,9,13,31-71eoo 5.2 #11-31odd,39,43
Week 4 April 24-28	Sections: 5.3-5.5	5.3 #7-13odd,37-57eoo 5.4 #9-33eoo 5.5 #9-29eoo
Week 5 May 1-5	Sections: 5.6,6.1,6.2	5.6 #27-39eoo,41,51,55,59,63,67 6.1 #9-29eoo,87,91 6.2 #3-39eoo,49,57,65-77eoo
Week 6 May 8-12	Sections: 6.3,6.4 **Exam #2- Wednesday**	6.3 #9-37eoo,45-65eoo,77,79 6.4 #19-51eoo
Week 7 May 15-19	Sections: 6.5-6.7	6.5 #9-37eoo,57,61,63,67 6.6 #11-17odd,31-47eoo 6.7 #11-25odd,47,49
Week 8 May 22-26	Sections: 6.8,7.1	6.8 #11-29odd,53-73eoo 7.1 #3-19eoo,27-33odd,41-47odd
Week 9 May 29- June 2	*Monday – Holiday* Sections: 7.2 **Exam #3- Wednesday**	7.2 #9-19odd,47,49,53,55
Week 10 June 5-9	Sections: 7.4,7.5	7.4 #11-51eoo 7.5 #17,19,29-41eoo,45-57odd
Week 11 June 12-14	Monday, 6/12 – Review **FINAL EXAM – Wednesday, 6/14 (12:00 – 2:00pm)**	