Course	Intermediate Algebra		**Professor**	Dr. Robert Jaster
Number & Section	MATH 0375.F1C		**Email**	rjaster@odessa.edu
Start Date	Jul 14, 2014		**Office**	WMS 223
End Date	Aug 14, 2014		**Office Phone**	(432)335-6634
Time	TTh 9:20am-11:35am			
Classroom	WMS 231			

COURSE DESCRIPTION

A study of polynomials and factoring, rational expressions and equations, functions and graphs, inequalities and problem solving, exponents and radicals, and quadratic functions and equations.

REQUIRED MATERIALS

MyMathLab   MyMathLab access is required, and students can register for access at http://www.mymathlab.com. Computers are available at several places on campus including the Math Lab (WMS 201) and the library. The Course ID for this section of Intermediate Algebra is jaster31496.

Workbook   *Worksheets for Classroom or Lab Practice for Elementary & Intermediate Algebra: Concepts and Applications*, 5th edition by Bittinger, Ellenbogen, & Johnson (ISBN-13: 978-0-321-59933-9).

Earbuds   Watching the videos on an Odessa College computer will require a pair of earbuds or headphones. The Math Lab has a limited number of headphones that may be checked out for use in the Math Lab.

Paper   Standard-size loose-leaf notebook paper for any work submitted for grading.

Pencils   Pencils for any work submitted for grading.

OPTIONAL MATERIALS

Textbook   *Elementary and Intermediate Algebra*, 6th edition by Bittinger, Ellenbogen, & Johnson ISBN-13: 978-0-321-84874-1

TUTORING

Tutoring services are available through the Math Lab in WMS 201 and through the Student Success Center on the first floor of the library.

COMMUNICATION

The best way to contact me is by email. You can email me anytime; I usually check my email throughout the day and evening. I can also be contacted by phone during office hours. You may leave me a message if I am not in my office when you call.

ATTENDANCE

<u>Attendance is mandatory</u>. Student are allowed to be absent from class up to four times during the semester, but any absence lowers the chances that the student will be successful in the course. If a student exceeds the allowed number of absences, he or she will receive a semester grade of F.

Students will receive ½ of an absence for arriving late or leaving class early. Students will also receive ½ of an absence for not bringing their workbook, paper, and at least one pencil to class.

GRADING

At the end of the semester each student's weighted average is computed using the following percentages.

Math Lab Attendance	14%
In-Class Problem Solving	15%
Video Notes	15%
Exams 1-4	40%
Final Exam	16%
Total	**100%**

Letter grades are assigned according to the student's weighted average.

Semester Grade	Weighted Average
A	90-100
B	80- 89
C	70- 79
D	60- 69
F	0- 59

Math Lab Attendance (14%)

Attendance is required in the Math Lab (in WMS 201). Students are required to attend a total of 7 clock hours for the semester. Not attending the lab will result in a lower grade and possibly an F for the semester.

In-Class Problem Solving (15%)

For each class meeting, students will usually receive a score for participating in in-class problem solving. Participation may be assessed by quizzes.

Accruing two or more absences lowers the maximum in-class problem-solving average that a student may earn for the semester.

Absences	Maximum In-Class Activity Average
0-1	100
2	87
3	70
4	50

Any problems submitted for grading must be completed neatly in pencil on standard-size loose-leaf notebook paper. There is a 25% penalty for not using pencil and a 25% penalty for not using standard-size loose-leaf paper.

Make-up work is not available for in-class problem solving. The lowest in-class problem-solving score is dropped.

Video Notes (15%)

There is a video associated with each lesson which is to be viewed by students prior to coming to the corresponding class. The videos are contained in MyMathLab. While viewing videos students are to take notes. Students are required to submit the notes for credit.

Each set of video notes is due at the beginning of class on the due date. The attached calendar shows the due date for each set of video notes.

Video notes are not accepted late. The lowest video notes score is dropped.

Exams (56%)

There are four exams and a final exam. The dates of all exams appear on the attached calendar.

Exams must be completed in pencil. There is a 25% penalty for not using pencil.

One exam score may be replaced by the final exam score.

Make up exams are available only for (1) required participation in an Odessa College athletic event, or (2) the observance of a religious holy day (as defined by Texas Education Code §51.911(2b)). Students are required to notify the instructor prior to any such absence.

The complete course syllabus may found on Blackboard.

Video Notes Due	Text	Topics
		Introduction to the Course
	5.1	Introduction to Factoring
7/15	5.2	Factoring Trinomials of the Type $x^2 + bx + c$
	5.3	Factoring Trinomials of the Type $ax^2 + bx + c$
7/16	5.4	Factoring Perfect-Square Trinomials and Differences of Squares
	5.5	Factoring Sums or Differences of Cubes
7/17		**Exam 1** (Sections 5.1-5.5)
	5.6	Factoring: A General Strategy
7/21	5.7	Solving Quadratic Equations by Factoring
	6.1	Rational Expressions
7/22	6.2	Multiplication and Division
	6.3	Addition, Subtraction, and Least Common Denominators
7/23	6.4	Addition and Subtraction with Unlike Denominators
	6.5	Complex Rational Expressions
7/24		**Exam 2** (Sections 5.6-6.5)
	6.6	Rational Equations
7/28	7.1	Introduction to Functions
	7.2	Domain and Range
7/29	7.3	Graphs of Functions
	7.4	The Algebra of Functions
7/30	9.1	Inequalities and Applications
	9.2	Intersections, Unions, and Compound Inequalities
7/31		**Exam 3** (Sections 6.6-9.2)
	9.3	Absolute-Value Equations and Inequalities
8/04	10.1	Radical Expressions and Functions
	10.2	Rational Numbers as Exponents
8/05	10.3	Multiplying Radical Expressions
	10.4	Dividing Radical Expressions
8/06	10.5	Expressions Containing Several Radical Terms
	10.6	Solving Radical Equations
8/07		**Exam 4** (Sections 9.3-10.6)
	10.8	The Complex Numbers
8/11	11.1	Quadratic Equations
	11.2	The Quadratic Formula
8/12	11.3	Studying Solutions of Quadratic Equations
8/13	11.6	Quadratic Functions and Their Graphs
8/14		**Final Exam** (Sections 5.1-11.6)

Video notes are due on each indicated date at the beginning of class.