MATHEMATICS 107
Fall 2018
Jo Ellen Immel

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Math Sections, Times and Location:
Section 01 8:00 – 8:50 (M-R) 111 CCC
Section 02 9:00 – 9:50 (M-R) 111 CCC
Section 06 1:00 – 1:50 (M-R) 212 CCC

Office Hours:
11:00-11:50 (T-R) D260 Science
12:00-12:50(M) 302 CCC

COURSE DESCRIPTION: This course has an online learning component as well as face-to-face class meetings. I will be available in a classroom setting four times a week as well as in my office (SCI D260) at posted hours. Attendance is required for instruction.
The homework will be done online in WebAssign (https://www.webassign.net). If you do not have a WebAssign account you will need to purchase a code from the book store. Evaluations (in printed format) and other graded exercises will be done in a classroom setting.

COURSE CONTENT: Topics include: factoring, simplifying rational expressions, interval notation, solving absolute value equations, linear & compound inequalities, rules of exponents and logs, solving exponential & log equations, functional notation, evaluation of functions, inverse functions and graphs.

LEARNING OUTCOMES: Upon the successful completion of this course the student will depart with the understanding that:

1. Algebraic expressions can be rewritten in an equivalent simplified form.
2. Solving equations/inequalities is a process where to find value(s) that yield a true statement.
3. There are several methods to use in solving equations/inequalities so analysis of the problem will determine the appropriate method to use.

OPPORTUNITIES FOR HELP:

- **Math Tutoring Room:** A113 Science #2961, 9 am - 4 pm, 7 pm - 9 pm, Monday-Thursday
- **MathPad:** 302 CCC – Day and evening hours when an instructor or student tutor is available is posted in D2L.

The Learning Center Tutoring (TLC): LRC 018 - The Tutoring-Learning Center offers individual tutoring. For students enrolled in support services on campus such as Disability Services, Multicultural Affairs, or Student Support Services there is no fee. Also one-on-one tutoring is available for a fee.

TEXT: Elementary & Intermediate Algebra, Alan S. Tussy/R. David Gustafson, Thomson Brooks/Cole, 2013, ISBN 978-1-285-54772-5

Fall 2018 Calendar – Math 107

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9	OCT 29 Course Introduction Compound Inequalities 8.4 (1,2,3)	OCT 30 - Compound Inequalities 8.4 (4)	OCT 31 Solving Absolute Equations 8.5 (1,2)	NOV 1 Solving Absolute Inequalities 8.5 (3,4)	NOV 2
10	NOV 5 Exponents 5.1-2	NOV 6 - Rational Exponents 9.2	NOV 7 Test Prep	NOV 8 Test 1	NOV 9
11	NOV 12 Factoring 8.6 (1&2) 6.1 (GCF, Grouping) Spring Registration Begins	NOV 13 - Factoring 8.6 (4&6) 6.2 (Trinomials)	NOV 14 Factoring 8.7 (The Difference of Two Squares& Cubes) Supplemental Problems	NOV 15 Simplifying Rational Expressions 7.1	NOV 16
12	NOV 19 Multiplying & Dividing Rational Expressions 7.2	NOV 20 - Adding & Subtracting Rational Expressions (like& unlike) 7.3-7.4	NOV 21 Simplifying Complex Fractions 7.5	NOV 22 Thanksgiving Break	NOV 23 Thanksgiving Break
13	NOV 26 Solving Rational Equations 7.6	NOV 27- Supplemental Problems & Test Prep	NOV 28 Test 2	NOV 29 Functions 8.2 (1,2,3&4)	NOV 30
14	DEC 3 Functions 8.2 (5,6,7), 3.2 - 3.4	DEC 4 - Functions 8.3 (1-3,6,7)	DEC 5 Composition & Exponential Functions (11.1 & 11.2)	DEC 6 Exponential & Logarithmic Functions and Equations (11.3, 11.4)	DEC 7
15	DEC 10 Properties of Logarithms 11.6	DEC 11- Exponential & Logarithmic Equations 11.7	DEC 12 Supplemental Problems & Test Prep	DEC 13 Test 3	DEC 14
16	DEC17 Final Exam	DEC 18 -	DEC 19	DEC 20	DEC 21

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