## College Algebra Math 1050-002, Fall 2015 (Draft 8/17)

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## MATH 1050-002

8:05 – 9:25 AM MWF WEB L101 Supplementary Instruction: Jammin Gieber TA: Tom Dowdle, <u>dowdlethomas@live.com</u> or <u>u0545052@utah.edu</u> TA: Maverick (Xuesong) Bai, <u>bai@math.utah.edu</u> or 801-718-2802

**Course Goal**: Improve quantitative reasoning and prepare for future math learning in calculus, linear algebra, and discrete mathematics.

**Cummings' Goal**: Provide a well-structured course in which each student a) is successful, b) enjoys the learning experience, and c) gains skill and confidence in logical reasoning.

**Topics to be covered**: Numbers, functions, sequences, series, counting problems, graphs of functions, inverse functions, polynomials, rational functions, n-th roots, exponential functions, logarithms, piecewise defined functions, matrices, and matrix equations.

**Text**: A Streamlined Course on the Fundamentals of Pre-calculus by Kevin Wortman. The text is available on the course Canvas page. See the "General Course Information" module for the entire PDF of the text OR a PDF of individual sections by module.

**Calculators:** Calculators are not required for this course, are not needed for homework, and will not be allowed for exams.

**Homework:** All homework is to be completed on WeBWorK. Due dates for each homework assignment can be found below, posted on WeBWork, and is on the "General Schedule" document on Canvas. *Late homework will not be accepted*. You will be given ample time to do your assignments, you may ask me, the SI, or TAs questions or you may work with others on assignments. Further, you may submit answers as often as you like until the due date. It is expected that you receive a perfect score on homework throughout the semester. Please note, homework is a substantial part of your grade for the course (15%), it is to your benefit to make success on the assignments a priority.

**Attendance**: Like any college course, attendance is not "mandatory." Please note however that concepts will be thoroughly explained and reviewed in class. Students who regularly attend score on average 30% higher on exams than those who do not.

## Important dates:

Class will meet every Monday, Wednesday and Friday August 24 through December 12, with following exceptions: Fall Break October 12 - 16Thanksgiving Break November 26 - 27

Midterm Exams:	Homework Due Dates:	
Friday, Sept. 18	Date Day of the week	
Friday, Oct. 23	9/2/15 Wednesday	
	9/13/15 Sunday	
Friday, Nov. 20	9/20/15 Sunday	
	10/4/15 Sunday	
	10/8/15 Thursday	
	10/18/15 Sunday	
	11/08/15 Sunday	
	11/15/15 Sunday	
	12/06/15 Sunday	
Final Exam:	Quiz Dates:	
	Date	
	9/4/15	
	9/11/15	
MATH 1050-002	9/25/15	
Dec. 16. 8 – 10 AM WEB L101	10/2/15	
	10/30/15	
	11/8/15	
	11/15/15	
	12/4/15	

There are no "make-up" exams or quizzes. Students who miss an exam or quiz will receive a "0" on the missed exam or quiz.

**Grades:** Numerical semester scores will be determined using the following formula: 15% homework, 7% quizzes, 18% *each* midterm exam, 24% final exam. The three lowest quiz scores will be dropped. Your score on the final exam will replace your lowest midterm score or you will receive a 2% bonus to your semester grade, whichever results in the highest grade. You may NOT drop the final.

Semester letter grades will be converted from numerical semester scores (N) as follows:

100 ≥ N ≥ 93: A	83>N≥80:B-	70>N≥68:D+
93>N≥90:A-	80>N≥78:C+	68>N≥63:D
90>N≥88:B+	78>N≥73:C	63>N≥60:D-
88>N≥83:B	73>N≥70:C-	60>N :E

**Mathematics Tutoring Center**: Drop in, sit down, and if you have a question, someone will come by who can help you. There are also study areas free of tutors, a computer lab, group study rooms available through reservations, and group tutoring sessions that can be arranged to meet at a regular time. Located on 1st Floor of JWB or LCB. Open 8am-8pm MTWH; 8am-6pm F.

Math Department Video Lectures: Video lectures are available at: http://www.math.utah.edu/lectures/math1050.html

Supplementary Instruction: Schedule and location will be discussed the first week of class.