Math 1050 Syllabus Fall 2017

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Office Hours: MTWTF 10:00 - 12:00

Lectures: MTWTF 8:00 - 9:35 AM in LIB 421
Textbook: PRECALCULUS, 2nd edition (custom version), by Cynthia Young.

USU Catalog Course Description: Functions: graphs, transformations, combinations, and inverses. Polynomial, rational, exponential, logarithmic functions, and applications. Systems of equations and matrices. Partial fractions. Graphing calculator required.

Prerequisites: One of the following within the last year or three consecutive semesters (including summer): ACT Math score of at least 23 or equivalent SAT Math score, AP Calculus AB score of at least 3, Grade of C- or better in MATH 0995, or satisfactory score on the Math Placement Exam.

Course Objectives: The purpose of this course is to provide students with conceptual and computational approaches to the study of mathematical functions, their graphs, and their use in mathematical modeling. The successful student will be prepared for further study in higher level math courses (such as Calculus), and other courses that require quantitative analysis that utilizes mathematical functions and modeling techniques. In addition, the students will gain an appreciation of the uses and limitations of graphing calculators in algebraic problem-solving and analysis.

Homework: You will be expected to complete all of the Assigned Homework Problems listed on the schedule below; however the assignment will not be collected. For each section there will be a homework assignment listed on Canvas. The problems in the Canvas assignment will come directly from the assigned homework problems. The Canvas assignment will be timed. So it will be beneficial to you to have completed all the homework problems before attempting the online assignment. There will be 25 assignments, each worth 10 points. Homework will be worth 20% of your final grade.
   Each assignment will be due at midnight two days after the lecture in class.

Quizzes: There will be a quiz each Wednesday and Friday. Each quiz will be worth 10 points. There will be a total of 11 quizzes and the quiz with the lowest score will be dropped. Quizzes will be worth 20% of your final grade.

Exams: There will be two midterm exams given, the midterm exams will NOT be comprehensive. There will be a comprehensive final on the last day of class. The final cannot be taken at another time. Drop the class if you will not be available for the final exam. (Note that the last day to drop the course without notation is July 3rd)

Exam 1 will be given on Tuesday July 11th

Exam 2 will be given on Firday July 28th

The Final Exam will be given Friday August 11th

All exams will be administered through the USU testing center.

Grading Scale: Grades will be distributed as below:

A	$93 - 100\%$
$A-$	$88 - 92\%$
$B+$	$86 - 87\%$
B	$83 - 85\%$
$B-$	$80 - 82\%$
$C+$	$76 - 79\$$
C	$72 - 75\%$
$C-$	$70 - 71\%$
D	$60 - 69\%$
F	$0 - 59\%$

Attendance: Attending lectures is not required, however it is highly recommended that you attend the lectures. If you choose not to attend the scheduled lecture you are still responsible for all information that was covered during the class period.

Any conflict with an exam or quiz time must be resolved before the exam or quiz. Acceptable conflicts that will be accommodated are military duty, university sponsored events, jury duty, serious illness, death of immediate family memeber, or childbirth. Any of the above conflicts must have written documentation.

Tutoring: For those of you at the Logan campus the Tutoring Center is open 10:00 am - 2:00 pm in TCS 225A.

Electronics: The policy of the Department of Mathematics and Statistics is that, unless an examination requires a specific technology device, no electronic devices can be activated and positioned where they can be seen or used during a quiz or exam. In particular, cell phones must be turned off and placed inside packs, or left with the instructor. Cell phones should not be in pockets or attached to belts during an exam. The same is true of any wireless-capable device. A student found to be violating this policy would automatically receive a score of zero on that test and may be subject to further disciplinary action.

American with Disabilities Act: If a student has a disability that will likely require some accommodation by the instructor, the student must contact the instructor and document the disability through the Disability Resource Center (DRC), during the first week of the course. Any requests for special considerations relating to attendance, pedagogy, taking of examinations, etc. must be discussed withand approved by the instructor. In cooperation with the DRC, course materials can be provided in alternative formatslarge print, audio, diskette or Braille.

Possible Changes The information given in the syllabus may change during the semester. All changes will both be announced in class and on the course Canvas page.

Math 1050 Schedule Fall 2017

Date	Section	Assigned Homework Problems
June 26	0.1	1-25 odd,27,35,37,39,63,67,71,79,81,83,85
June 27	0.2	1- 37 odd, 47-55 odd, 59-69 odd, 73,75,79,81,89,93,103,105,107,111-119 odd
June 28	0.3	1,5,7,9,13,21,25,31,33,35,39,47,49,61,63,67,71,83,85,89,97-105 odd,111,121,123,129,133
June 29	0.4	5,9,13,17,21,25,29,37,39,41,47,49,51,53,55,61,63,65,71,73,75,77,79,93,95,97, 99,101,107,109,113
June 30	1.1	1,5,13,15,21,25,29,33,35,41,47,49,53-69 odd,75,77,79,83,85,87,89,95,105,107,109,115
July 3	1.2	1,5,11,15,23,25,29,39,45,47,49,55,57,63,69,75,81,83,85,87,97,103
July 4	NO CLASS	
July 5	1.3	1-11 odd,15,23,39,41,43,45,47,51,53,57,59,61,69,77,79,83,87,89,91
July 6	1.4	1,11,13,15,17,25,27,29,31,33,37,39,41,43,45,47,51,53,57,59,61,63,65,67,73,75,77,81,83,85
July 7	1.5	7,9,19,21,25,27,31,33,35,37,41,43,45,49,53,63,65,67,77,79,81,85,89
July 10	Review	
July 11	Exam 1	
July 12	2.1	1,3,5,7,5-19 odd,23,37,47,55-61 odd,67-79 odd,85,87,91,92,93,94
July 13	2.2	1-19 odd,25-39 odd,45,47,49,75,87,89,91,93
July 14	2.3	19,27-37 odd,49,55,59,65,67,69,70,71,72
July 17	2.4	1-37 odd,47,71,73,75,77,78,79
July 18	2.5	1-15 odd,35,37,51,67,69,70,73
July 19	2.6	1-19 odd,23,25,27,47,61,63,65,69,73,75,77,79,80,81,82,83
July 20	3.1	3,9,15,27-41 odd,61,63,65,69,71,73,75
July 21	3.2	3,5,7,11,13,15,21,23,25,31,35,39,43,45,55,57,59,61,63,67,69,71-81 odd,85,89,91, 93,95,99,105,107,109,111
July 24	NO CLASS	
July 25	3.3	1,3,5,11,13,15,19,21,25,27,37,39,41,43,45,47,49,65,67,69,71,73,75
July 26	3.4	1,5-39 odd,41-67 odd,73,79,81,83,85,89,91,93,95,97
July 27	Review	
July 28	Exam 2	

Date	Section	Suggested Homework Problems
July 31	3.5	1,4,5-19 odd,31,33,37,47,51
August 1	8.1	1,5,9,21,29,33,41,43,71,77,79,81,83
August 2	8.3	1,9,11,15,21-35 odd,41,43,45,47,51,53,57,61,75,79,115,117
August 3	8.4	1,15-27 odd,31,35,45,49,51,57,63,67,69,97,103,104,106
August 4	8.6	1,2,3,4,7,9,15,17,19,21,23,35,45
August 7	8.7	1,2,7,11,29,31,37,43,45,47,51,55,57,73,75,79,81,83
August 8	9.5	1,3,5,7,11,13,15,17,19,27,29,31,35,39,51,59,61
August 9	Review	
August 10	Review	
August 11	Final Exam	