

MATH 1050 SYLLABUS – COLLEGE ALGEBRA – FALL 2009

COURSE: Math 1050-060 is a 4 credit hour math class offered through AOCE. You can expect to spend **at least two hours** on homework per one hour of class time. Math 1050-060 meets Tuesday and Thursday evenings from 5:45 – 7:45 pm at the Murray Campus.

PREREQUISITE: Must have completed Math 1010 or equivalent with a C or better, or have a current Math ACT score of 23 or higher.

FACULTY: Sarah Jean Hoggan, BS (mathematics), MEd (Phi Kappa Phi)

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COURSE DESCRIPTION: This course covers functions, inverses and graphs; polynomial, rational, radical, exponential, and logarithmic functions; systems of equations and matrices; applications; arithmetic and geometric sequences and series, the Binomial Theorem, and counting principles.

COURSE OBJECTIVES: Students will pass the chapter tests as well as the final, thereby demonstrating a basic understanding of solving quadratic equations; functions, their graphs and inverses; polynomial, rational, radical, exponential and logarithmic functions; systems of equations and matrices; applications; arithmetic and geometric sequences and series; the Binomial Theorem; and permutations and combinations.

CONTENT OVERVIEW: This course begins with a review of intermediate algebra. It then progresses to functions and their graphs along with inverse functions. From here, a comprehensive study of polynomial and rational functions is presented. Next, exponential and logarithmic functions are studied. A variety of methods are presented for solving systems of equations along with partial fractions and matrices. The course concludes with sequences, series, mathematical induction, the Binomial Theorem, and counting principles.

TEACHING and LEARNING METHODS: Lecture, PowerPoint slides and homework.

HOMEWORK: Homework will not be collected. It is highly recommended that you work the problems assigned at the end of each section. If you are having trouble with a particular type of problem, more practice may prove helpful by reworking the problems.

EVALUATION: Five (5) mid-terms plus the final will be given. You may drop one mid-term. No make-up tests will be given! Any special arrangements must be made in **ADVANCE**. Each test will be worth 100 points. A two (2) hour FINAL will be given. The FINAL will be worth 200 points. All 1050 classes will have a cut off score having the following property: if a student makes below a D- on the Final Exam, he/she cannot earn a grade of C or better for the course.

TESTS WILL BE GIVEN ON THE FOLLOWING DATES:

1. Thurs. Sept 3
2. Tues. Sept 22
3. Thurs. Oct 8
4. Tues. Nov 3
5. Thurs. Nov 19

***** FINAL EXAM - Tuesday, December 15 – 5:45 pm*****

GRADING: Each of the four highest tests count 1/6. The FINAL will count 1/3. All students must take the FINAL. Grades will be given according to the following schedule:

PERCENT	GRADE	PERCENT	GRADE
92-100	A	68-71	C
88-91	A-	64-67	C-
84-87	B+	60-63	D+
80-83	B	56-59	D
76-79	B-	52-55	D-
72-75	C+	0-51	E

TEXT: Larson, Hostetler - PRECALCULUS (7th edition)

CALCULATORS: A 'Graphing' calculator is recommended. Suggested are the TI-82,83,84,85,86,89,92; HP 48G,48GX,49; Casio fx-9750, 985G, 990G; Sharp EL 9200-9300. A scientific calculator may be used.

COURSE OUTLINE: The homework is on a separate page.

Appendix A: Sec. All	Aug 25 - Sept 01
Chapter 1 : Sec. 1-9	Sept 08 - Sept 17
Chapter 2 : Sec. All	Sept 17 - Oct 06
Chapter 3 : Sec. All	Oct 06 - Oct 22
Chapter 7 : Sec. 1-4	Oct 27 - Oct 29
Chapter 8 : Sec. All	Nov 05 - Nov 12
Chapter 9 : Sec. 1-6	Nov 12 - Dec 03

ADA: “The University of Utah seeks to provide equal access to its programs, services and activities for people with disabilities. If you will need accommodations in the class, reasonable prior notice needs to be given to the Center for Disability Services, 162 Union Building, 581-5020 (V/TDD). CDS will work with you and the instructor to make arrangements for accommodations.”

FACULTY RESPONSIBILITIES: “All students are expected to maintain professional behavior in the classroom setting, according to the Student Code, spelled out in the Student Handbook. Students have specific rights in the classroom as detailed in Article III of the Code. The Code also specifies proscribed conduct (Article XI) that involves cheating on tests, plagiarism, and/or collusion, as well as fraud, theft, etc. Students should read the Code carefully and know they are responsible for the content. According to Faculty Rules and Regulations, it is the faculty responsibility to enforce responsible classroom behaviors, and I will do so, beginning with verbal warnings and progressing to dismissal from class and a failing grade. Students have the right to appeal such action to the Student Behavior Committee.”

As a reminder: **Dress** - The educational process is facilitated by professional behavior on the part of all; therefore, students are encouraged to dress appropriately for class. **TURN CELL PHONES OFF BEFORE COMING CLASS – NOT ON VIBRATE, BUT OFF! DO NOT** go outside in the middle of class to make or answer a phone call. **DO NOT TEXT MESSAGE** during class! Do not talk while I am lecturing or while other students are asking questions. **DO NOT** come to class late or leave early. It is not only inconsiderate, but also quite disruptive to other students.

