

Math 1100 Basic Algebra

University of Memphis

Course Description: (3 credit hours.) Review of Real number system; exponents; rational roots; graphs using graphing calculators; partial fractions; theory of equations; inequalities; applications. **Note:** does not satisfy any part of mathematics requirements for any degree.

Prerequisites: a minimum score of 14 on the [ALEKS math assessment test](#).

Method of Instruction: This course is lecture based with homework, tests attendance and a comprehensive final exam completed on the computer, using ALEKS. Tests and the final assessment must be taken in the classroom on a University computer. Therefore, each student must have a UUID and password for the University's system and a student access code for ALEKS.

Textbook: *Topics From Algebra*, Custom Edition for the University of Memphis packaged with ALEKS (taken from *Algebra for College Students* by Mark Dugopolski, author).

Tutoring: Free tutoring is available through the University's Education Support Programs. They offer a drop-in tutoring service in the [Math Learning Center](#) in DH 143 and [online assistance](#).

Attendance: Class attendance is important, every student is required to be in class, on time, and stay for the entire class period for each class session. If you miss a class, you are responsible for finding out what topics were covered and for completing any missed work.

Drop / Withdraw: Students who need to drop this class must report to the Office of the Registrar to initiate withdrawal procedures. Check <http://www.memphis.edu/registrar/calendars/> for deadlines.

Email Rules: *All* email correspondence must be made through your [University of Memphis](#) email account. Check your email daily, and make sure that your "inbox" isn't so full that no new messages will get through. Please include your section number in your email.

Grading Policy: Grades will be calculated based on homework, quizzes, tests, and final exam. Grading scale is determined by the instructor.

Homework: Homework will be assigned for each section of the text, and must be finished before the due date for you to get credit.

Quizzes & Tests: There will be a number of quizzes / tests for this course. You must be present in class to take each test.

No Make-ups for a missed homework, quiz, test, or final exam. If you must miss a test because of an official school function you may schedule to take the test at a time prior to the original test date. No other rescheduling will be allowed.

Final Schedule: see <http://www.memphis.edu/registrar/calendars/>

Academic Integrity: We encourage you to work with your classmates on homework or to

have study groups for tests; however, letting someone else do all the work while you just sit back and copy will not help you on your tests. Copying the work of others is not going to help you understand the material or pass the course.

Plagiarism, cheating, and other forms of academic dishonesty are prohibited. Students guilty of academic misconduct, either directly or indirectly, through participation or assistance will receive a zero, in addition to other possible disciplinary sanction which may be imposed through the regular institutional disciplinary procedures.

Disabilities: Any student who anticipates physical or academic barriers based on the impact of a disability should contact [Disability Resources for Students \(DRS\)](#) at 110 Wilder Tower, 901.678.2880 at the earliest opportunity. DRS coordinates access and accommodations for students with disabilities. You must give your instructor a copy of any accommodation memos provided by the DRS **within the first week of class.**

Classroom Rule: Silence cell phones and remove headphones when in the classroom. No eating or individual breaks will be allowed during the class period.

Course schedule: Any changes of this schedule will be announced in class, and in writing.

1. Ch.1 and Appendix A – The Real Numbers / Geometry Review Exercises
2. Ch.2 – Linear Equations and Inequalities in One Variable
3. Ch.3 – Linear Equations and Inequalities in Two Variables
4. Ch.5 – Exponents and Polynomials
5. Ch.6 – Rational Expressions and Functions
6. Ch.7 – Radicals and Rational Exponents