

**DEPARTMENT OF MATHEMATICAL SCIENCES
THE UNIVERSITY OF MEMPHIS
MATH 1100-Sec E01
TOPICS FROM ALGEBRA CRN 20683
Spring 2017**

Instructor: Alpha BA

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Office Hours: MW 1230-0130 & T 1020-1120

Class Times: MW 10:20am -11:15am

TR 11:20am -12:45pm

Classroom: Smith Hall 414

1. **COURSE:** Topics from Algebra, Math 1100
2. **DESCRIPTION:**
3.0 Credit Hours
Algebraic structures
Set Theory
Problem Solving

Prerequisite: None
3. **TEXT:**
Suggested: *Book: Topics From Algebra, Custom Edition for the University of Memphis packaged with ALEKS (taken from Algebra for College Students by Mark Dugopolski, author)*
Calculator Permitted for some material

Required MATERIALS *ALEKS software*
4. **COURSE OBJECTIVES:** To expand the student's knowledge of algebraic structures, problem solving and set theory.
5. **STUDENT POPULATION:** Lower division students.
6. **METHODS:** 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.
7. **COURSE OUTLINE:** Attached

8. COURSE REQUIREMENTS: The student will demonstrate proficiency at skills for algebraic structures, problem solving and set theory using the program ALEKS

9. GRADING: The course grade will be based on:
Objectives, Five regular tests, attendance, Five homework and the comprehensive final exam.

Spring 2016
COURSE OUTLINE
MATH 1100

Textbook: *Topics from Algebra, Custom Edition The University of Memphis*

Prerequisite: None

Calculator: Permitted for some material

Testing: Test 1: Chapter I, sections 1.1 through 1.6
Test 2: Chapter II, sections 2.1 through 2.6
Test 3: Chapter III, sections 3.1 through 3.5
Test 4: Chapter V, sections 5.1 through 5.8
Test 5: Chapter VI, sections 6.1 through 6.7
Chapter VII will be on the final assessment.
Final Exam: Monday, May 1, 8:00 - 10:00a

Grading: The final course grade will depend on the objectives, the 5 test scores, attendance, homework and final exam. **The objectives count 10%, The Tests count 50%, Final exam count 20%, homework 15% and attendance count 5% of the final grade.**

Attendance: You are expected to be in class. This is part of the participation grade. You will be given 5 absences to use for emergencies. One point will be deducted from the attendance grade for each absence beyond 5. You are expected to be on time.

Make-up Test: Make-up tests will be given only in unusual circumstances with written proof.

DRS Statement: The University of Memphis is committed to providing reasonable accommodation for all qualified students with disabilities. It is the responsibility of the student to contact the Counseling Office to arrange for appropriate accommodation. When the disability has been documented and verified, a counselor will notify the instructor regarding any special accommodation to be provided.

DROP/ADD: See the University of Memphis Bulletin or Calendar for dates.

NO STUDENT will be allowed to attend class unless his/her name is on the official class roll or you have proper documentation from the Register Office.

NO CHILDREN or any other unauthorized individuals are allowed in the classroom - No faculty member is authorized to make an exception to this policy without prior approval of the Mathematics Department Head.

PAGERS OR TELEPHONES: Please turn the volume off if you have these items with you in class. The noise is distracting to not only your instructor but to your classmates.

NOTE: The instructor reserves the right to make changes in the syllabus if necessary due to time constraints or other unforeseen events. If so, then members of the class will be notified as soon as possible.

Warnings for the semester:

- 1) There are 5 chapter tests and a final exam. Test dates are listed on ALEKS. You must be present in class to take each test. You will receive only one attempt at each test.
- 2) Arrive on time for each test. Any tardiness will cost you working time on the test. Bring pencils with you. You may not use any notes when you take tests. Place all belongings on the floor.
- 3) Absolutely no cell phones allowed during testing. All cell phones must be turned off and put away out of sight during classes and tests. Use of cell phones during a test will result in academic misconduct.
- 4) No IPODS may be used during tests. Use of IPODS during a test will result in academic misconduct.
- 5) Once you open the online test, you may not leave that page. Violators will be charged with academic misconduct for opening any other web site while the test is open or sending or receiving emails.

NOTE: The instructor reserves the right to make changes in the syllabus if necessary due to time constraints or other unforeseen events. If so, then members of the class will be notified as soon as possible.