

School Of Mathematical & Natural Sciences Course Syllabus
MATH 1043: COLLEGE ALGEBRA , Summer II, 2008

INSTRUCTOR

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OFFICE

Science Center A 9

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OFFICE HOURS

MTWH 9:00-10, 3:30 - 4:00

NOTE : This course fulfills specific General Education requirements. Math 1003 - Survey of Mathematics also satisfies the same general education requirements as does College Algebra.

REQUIRED TEXT & MATERIAL: *College Algebra*, second ed., by: Barnett, Ziegler, and Byleen (Publisher: McGraw Hill). **All students must have access to a graphing calculator.** Strongly recommended models are TI-83, TI-83 Plus or the TI-84 Plus. Other brands are acceptable but faculty and tutors may not be able to assist students on these machines.

COURSE PREREQUISITES: At least one of the following:

1. An ACT Mathematics score of 19 or higher.
2. An Asset score of 39 or higher.
3. A grade of C or better in Math 0183 (Intermediate Algebra).

COURSE OBJECTIVES: This course is both a terminal course for the General Education program and a preparatory course for other Mathematics courses. The course has the dual focus of presenting the necessary algebraic material as well as nurturing problem solving skills.

COURSE CONTENT & EXAMINATIONS: The dates are tentative and will be revised as necessary.

| Test # | Topic | Date |
|--------|-----------------------------------|-------------------|
| 1 | Sections: 1.2 - 1.6 | Monday: July 7 |
| 2 | Sections: 2.3, 3.1, 3.2, 3.4 | Monday: July 14 |
| 3 | Sections: 4.1 - 4.5 | Monday: July 21 |
| 4 | Sections: 5.1, 5.2, 5.4, 6.1, 7.6 | Tuesday: July 29 |
| Final | Comprehensive | Thursday, July 31 |

HOMEWORK & QUIZZES: Homework will be assigned. Daily quizzes will be given, each graded on a 10-point scale. Quizzes will be similar to assigned homework problems. **THERE WILL BE NO MAKEUP QUIZZES.**

GRADING: The quiz grade will be determined by percentage of total quiz points. Each of the four tests and the quiz grade will be worth 100 points each. The final exam will be worth 100 points (a total of 600 possible points). Grades are assigned on the following basis:

A; 90 - 100% B; 80 - 89% C; 70 - 79% D; 60 - 69% F; 0 - 59%

NOTE: If your grade on the final examination is less than 40%, then you will fail the course. If the grade on the final is between 40% and 50%, then your maximum grade is a D. This policy supersedes your other grades in the course.

SPECIAL POLICIES & SOURCES FOR HELP:

1. If no tests are missed, your percentage score on the final exam will replace your lowest test grade (or your quiz grade if lower) if the score on the final is higher. If one test is missed, then the percentage score on the final examination will be substituted for the test grade. If two (2) or more tests are missed, a grade of zero will be given for the second and any subsequent missed tests. **THERE WILL BE NO MAKEUP TESTS.**
2. You are expected to attend all class meetings and make a serious effort to do the assigned work. Poor attendance is the greatest factor in unsuccessful performance in this course and college in general. You cannot possibly learn the material if you do not go to class. Students will receive 1 point for each day they attend class to be added to their quiz point total. These bonus points for attendance will be rounded down to the closest whole number.
3. There are a number of resources that you can use to help you be successful in this course. First and foremost, you should see your instructor when you need help. You should consider forming study groups or a homework hotline with some of your classmates. As a long-term commitment, you should consider using the student tutors. There will be free tutoring available to all students in the **Tutoring Lab; Harris Hall, Room 329**. The schedule for the times when tutors will be available will be announced in class and posted throughout the Science Center. Try to take advantage of these sessions. Note also that copies of the previous chapter tests and final examinations are on file in the Tutoring Lab.

EXPECTATIONS OF THE STUDENT: While this course is not particularly difficult for those who make a commitment to working on the course it does require a commitment of time and energy. The pace of the course is fairly rapid and it is necessary for you to attend class and seriously attack the homework, review recent lectures, and preview material to be discussed at the next lecture. You should commit at least two hours of study time for each hour of lecture and you should focus on understanding the basic principles presented rather than simply mimicking procedures.

IMPORTANT DATES:

| | |
|--------------------------|---|
| Tuesday, July 1 | First day of classes. |
| Wednesday, July 2 | Last day to register or add classes. |
| Friday, July 4 | Independence Day, Holiday. All offices and classes closed |
| Friday, July 25 | Last day to withdraw from class. (Grade will be "W".) |
| Thursday, July 31 | Last day of classes. |
| Thursday, July 31 | Final exam |

STUDENTS WITH DISABILITIES:

It is the policy of the University of Arkansas at Monticello to accommodate individuals with disabilities pursuant to federal law and the University's commitment to equal educational opportunities. It is the responsibility of the student to inform the instructor of any necessary accommodations at the beginning of the course. Any student requiring accommodations should contact the Office of Special Student Services located in Harris Hall Room 120; phone 870 460-1026; TDD 870 460-1626; Fax 870 460-1926.
McGehee: Office of Special Student Services representative on campus; phone 870 222-5360; fax 870 222-1105.
Crossett: Office of Special Student Services representative on campus; phone 870 364-6414; fax 870 364-5707.

The following action is prohibited under the Student Conduct Code:

Disorderly Conduct: Any behavior which disrupts the regular or normal functions of the University community, including behavior which breaches the peace or violates the rights of others. Any student engaging in such behaviors will be made to leave the class.

To prevent distractions to others, all cell phones, beepers, etc. must be turned off in class.

UAM will no longer mail grade reports to all students. You may access your grades through Campus Connect on the UAM homepage, <http://www.uamont.edu/>. To have your grades mailed to you, complete the grade request form available in the Registrar's Office in Monticello or the Student Services offices in Crossett and McGehee.

HOMEWORK ASSIGNMENTS, Summer 2008

| Section | Page | Problem # |
|----------------|-------------|---|
| 1.2 | 34 | 1,4,5,9,14,15,17,19,21,24,31,34,38,47,50,55,59,64,69,87,91 |
| 1.3 | 51 | 1,4,10,13,20,25,30,31,40,52,57,80,84 |
| 1.4 | 68 | 2,4,9,11,15,20,23,28,29,34,36,45,49,53,58,65,66 |
| 1.5 | 82 | 2,4,7,8,11,14,22,25,30,37,41,44,45,48,56,63 |
| 1.6 | 99 | 1-4, 7, 8, 11 - 15, 19-23, 33-36, 39,40,45, 47, 49-52, 57- 62, 65, 99 |
| | | TEST 1, Monday: July 7 |
| 2.3 | 162 | 1-4,7, 8, 10, 13-17,19- 22, 25, 26,29, 30, 37-39, 51-54, 63, 65, 66 |
| 3.1 | 256 | 1-4, 5-9, 13- 16, 57-61,71-73, 91 |
| 3.2 | 272 | 1-4, 19-23 (part A only), 27-31 (part B only), 55 |
| 3.4 | 304 | 1-4, 6-8, 14-17, 22,23, 27-29, 35-38, 45 |
| | | TEST 2, Monday: July 14 |
| 4.1 | 329 | 1, 2, 3, 5, 10, 17, 23, 29, 33, 38, 39, 42, 47, 49, 54, 57, 58, 65, 70, 75, 87, 89, 93, 95, 96 |
| 4.2 | 343 | 2, 4, 6, 7, 10, 12, 15, 20, 21 |
| 4.3 | | 3, 4, 6, 7, 10, 14, 19, 21, 22, 27, 34, 35, 42, 43, 50, 51, 53, 54, 56, 59, 64, 66, 67, 70, 71, 98, 100 |
| 4.4 | 364 | 5, 6, 11, 12 |
| 4.5 | 371 | 2,3,12, 14, 15, 16, 20, 23, 28, 31, 32. |
| | | TEST 3, Monday: July 21 |
| 5.1 | 396 | 1-4, 5, 8, 11, 13, 14, 16, 18, 21, 25, 26, 31, 39, 40 |
| 5.2 | 411 | 1, 4, 6, 12, 16, 17, 19, 22, 28, 29, 39, 40, 57 – 59 |
| 5.3 | 425 | 25, 26, 34, 36, 69, 74 |
| 5.4 | 441 | 1, 2, 4, 6, 7, 10, 12, 16, 17, 20, 25, 26, 41, 43, 44 |
| 6.1 | 479 | 1, 2, 7 - 12, 17, 18, 22, 29, 30, 32, 49, 62, 65, 67, 71 |
| 7.6 | 609 | 1, 6, 14, 21, 22, 33, 34, 40, 45 |
| | | TEST 4, Tuesday: July 29 |
| | | Final Exam, Thursday, July 31 |