

MATH 130 APPLIED ALGEBRAIC METHODS

1. BASICS

Location: Science and Technology Center 147.

Time: MWF: 3:00-3:50

Text: *Investigating College Algebra With Technology*, Burgis and Morford, Key College Publishing.

Instructor: Alfred Dolich.

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Office Hours: MWF: 11-12, WF: 9-10.

Webpage: www.dolich.com

2. GENERAL INFORMATION

Course Description: This is a standard college algebra course intended to prepare students for further college level mathematics as well as provide the mathematical skills necessary for other mathematics-intensive course work. Topics to be covered include: Patterns and recursion; linear models and systems; functions, relations and transformations; quadratic and polynomial functions, conic sections and rational functions; matrices and linear systems; and exponential power and logarithmic functions. I plan to cover the following sections in the text (time permitting): 1.2, 1.3, 2.1-2.5, 3.1-3.5, 4.1-4.8, 6.1-6.8, 9.1-9.8, 7.1-7.6, 5.1-5.8. You will be required to have a graphing calculator for this course (ideally a TI-83 which I plan on using and thus will be able to support).

Assessment: There will be three tests and a final examination for this course. The dates of the tests will be announced well in advance. The first test should take place in late February and cover chapters two and three, the second in the middle of March covering chapters four and six, and the third in the middle of April covering chapters nine and seven. The final exam will be given at the university scheduled time. I will give weekly quizzes or group worksheets typically on Fridays, but in any case these will be announced several days in advance. I will assign recommended homework problems on Fridays although I do not plan on collecting or grading the homework. You are strongly encouraged to do the homework problems. I will reserve time on Fridays to go over any homework problems students have questions on. I do not plan on adhering to a strict pre-defined schedule as to which sections are covered when but rather will pace the course according to how the class is doing. I will

post the recommended problems as well as any old quizzes and tests on my webpage (www.dolich.com). I will also post any important class announcements on this page so it is a good idea to periodically check the page.

Your final grade is computed in two ways and you are assigned the higher of the two grades.

Method One: Three tests at 18 % each, quizzes 18%, final exam 28 %.

Method Two: Three tests at 7% each, quizzes 7%, final exam 72 %.

In computing the quiz average I will typically drop the lowest two quiz grades.

Grades will be assigned according to the following scale:

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

3. OTHER POLICIES

- Attendance: Students are expected to attend class.
- There will be **NO** extra credit given in the class.
- **NO** late homework will be accepted whatsoever. There will be no make-up quizzes whatsoever.
- Please make sure any cell phones or beepers are off during lectures and tests.
- Midterm grades will be posted by March 15th.
- All information in the syllabus is subject to change as circumstances warrant it. This syllabus does not constitute a contract.