MA 162: Finite Mathematics, Sections 001 - 008
College of Arts & Sciences (A&S)
Department of Mathematics (MA)
Fall 2013

Please read this syllabus carefully. It contains essential information about the course organization, grading, tests, etc. If you need any additional explanation, please don't hesitate to ask your instructor.

Instructor Information:

> *Instructor:* Paul Koester
> *Office:* Patterson Office Tower 707
> *Phone:* 257-6802
> *Email:* paulhkoester@uky.edu (preferred contact method)
> *Office Hours:*
>> Monday, Wednesday, 9:00 am–10:00 am, Mathskeller, CB 063
>> Monday, Wednesday, 3:00 pm–3:30 pm, POT 707
>> Other times available by appointment

Class Time and Location: MWF, 8:00 am - 8:50 am, CB 106
Recitation Time and Location:

Section	Recitation Leader	Day	Time	Location
1	Jonathan Constable	Tuesday	8:00 am - 8:50 am	CB 337
2	Jonathan Constable	Thursday	8:00 am - 8:50 am	CB 337
3	Jonathan Constable	Tuesday	11:00 am - 11:50 am	CB 337
4	Jonathan Constable	Thursday	11:00 am - 11:50 am	CB 337
5	Ray Kremer	Tuesday	2:00 pm - 3:00 pm	CB 337
6	Ray Kremer	Thursday	2:00 pm - 3:00 pm	CB 337
7	Ray Kremer	Tuesday	3:30 pm - 4:20 pm	CB 337
8	Ray Kremer	Thursday	3:30 pm - 4:20 pm	CB 337

Course Web Page: http://www.ma162.org
A more detailed course sylabus can be found at the course web page, http://www.ma162.org.
Homework Web Page: http://www.webassign.net
You will need to set up a *Web Assign* account. Registration instructions are in the next paragraph. This account will grant you access to both the on-line homework and an e-book copy of the course text.
Creating your *Web-Assign* account:

- Go to http://cengagebrain.com/micro/ukfinite . (Cengage link also appears in the main menu bar of ma 162 homepage.)

- Purchase "Enhanced WebAssign Single-Term LOE Instant Access for Math & Sciences, 1st Edition" for $60. This will give you an access code.

- Now go to Web Assign then click on the I Have a Class Key link (located on right side of screen, just under the user log in box.) Our class key is uky 6173 1411

- If you already have a Web Assign account from another course, you should be able to log in using your existing account. Otherwise, register for a new account.

- Please notice that everyone will be registered in section 001, regardless of your recitation section number.

Textbook

The official course textbook is the 10th edition of **Finite Mathematics and its Applications** by Tan. I expect you to read the assigned sections of the textbook and I expect you to work the recommended practice problems from the textbook. However, you are not required to have a *physical* copy of the text, as an e-book of the text is included with your *Web Assign* account. If you prefer to read a physical copy of the text, I recommend buying an older edition (7th edition through 10th edition are acceptable, and you can find used 7th editions on-line for under $20).

Calculator:

You will need a calculator to perform certain calculations on exams. Scientific calculators (like the TI-30X) or business calculators (like the BA-II) will be adequate. Graphing calculators are allowed but they are not required. However, exam questions will be written to ensure that students with graphing calculators do not have an unfair advantage. Exam proctors reserve the right to clear the memory on any calculator you bring into the exam room. Note that **you will not be allowed to use the calculator on a cell phone**, or any other communication device.

Prerequisites of the Course:

You should have a strong understanding of College Algebra. If you find that you are having difficulty with any of the material in chapter 1 (sections 1.1 - 1.4), you may find it best to drop this course and take College Algebra (MA 109) instead.

Grading:

Recitation/Participation	10%
Web homework	10%
Exam 1	20%
Exam 2	20%
Exam 3	20%
Exam 4	20%

Course grades will be assigned on the standard scale, $90 - 100\%$ is an A, $80 - 89\%$ is a B, $70 - 79\%$ is a C, $60 - 69\%$ is a D, and below 60% is an E.

Recitation/Participation: Your recitation leader will explain how your recitation/participation points will be awarded. Recitation contributes 10% to your course grade.

Web homework: Generally you will have two *Web Assign* assignments per week. They will be due on Tuesday and Friday at 6:00 pm. The first web homework will be due on Friday, September 6. The web homework contributes 10% to your course grade.

Readings and recommended practice problems: You will find recommended readings and suggested practice problems listed at `http://www.ma162.org`. Even though the recommended readings and practice problems do not directly contribute to your course grade, you must keep up with these readings and practice problems in order to be fully prepared for examinations.

Exams: EXAMS ARE HELD ON MONDAY EVENINGS, 5:00-7:00 pm!

    Exam 1   September 30
    Exam 2   October 28
    Exam 3   November 25

The exams will have some multiple choice, true/false, matching questions, and short answer questions. These questions will be graded on an *all or nothing* basis. Exams will also have some "free-response" questions. These will either require you to perform a lengthy calculation or will require you to set-up, solve, and interpret an application problem. The free response questions will be graded both in terms of computational correctness and in terms of how well you communicate your answer/solution. This means that a well supported, easy to follow solution may receive almost full credit, even if the "final answer" is wrong; it also means that a sloppily written, hard to follow solution may receive very little credit, even if the "final answer" is correct.

If you have a legitimate, university conflict with the exam times (marching band practice, another class from 5-7 on Mondays, traveling with a sports team) you must notify your instructor no later than two weeks befor the exam. A 10 point penalty will be assessed on your exam scores if your instructor is not notified of your exam conflict two weeks before the exam.

How to Succeed: This course will emphasize computational and modelling aspects of mathematics. The course will also require you to effectively communicate your solutions. This includes *setting up* application or word problems, *explaining the result* of a computation, *interpreting* formulas or processes, and *clearly communicating* your solution process, in addition to *getting the "right" answer.*

The Web Homework is only capable of testing your computational ability. Recitations, lecture, recommended readings, and suggested practice problems will help dvelop your modelling and mathematical communication skills.

What I expect from "A" students: you will read the recommended readings from the textbook (on time), you will attempt many of the suggested practice problems from the textbook, you will participate regularly in discussions in lecture and recitation, you will complete all of the assigned web homework problems, your work on exams and recitation assignments will be written in complete sentences and easy to follow.

Course Help: If you find that you need help in the course, see your instructor right away—take advantage of his/her office hours or ask to schedule an appointment. Also, faculty members, graduate students, and undergraduate students are available to answer questions in the Mathskeller, CB 063, M–F, 9–5, `http://www.mathskeller.com`. The Study, `http://www.uky.edu/AE/`, offers peer tutoring.

Excused Absences: University Senate Rule 5.2.4.2 defines the following as acceptable reasons for excused absences:

1. serious illness;

2. illness or death of family member;

3. University-related trips;

4. major religious holidays;

5. other circumstances your instructor finds to be "reasonable cause for nonattendance".

Students anticipating an absence for a major religious holiday are responsible for notifying the instructor in writing of anticipated absences due to their observance of such holidays no later than the last day for adding a class. It is almost always possible to notify your instructor of an excused absence before class. Students who have excused absences due to University-related trips or major religious holidays must inform

the instructor prior to the absence and must complete all work prior to the absence. Students who are ill must inform the instructor of their absence(s) as soon as they return to class and they must provide documentation to demonstrate that the absence(s) was excused. Students who have excused absences due to illness or the death of a family member will be allowed to make up any missed work in a timely manner. These arrangements must be made with the instructor on a case-by-case basis. Documentation for illness or death of a family member must be provided with one week of returning to classes.

Academic Integrity, Cheating, and Plagiarism: You should feel free to study with friends, but any work you submit for a grade should be your own work. This applies to all exams, quizzes, and writing assignments, with the exception of assignments that are specifically designated as group assignments. Academic dishonesty, in any form, will not be tolerated. This includes, but is not limited to, copying a classmate's work, allowing a classmate to copy your work, modifying an exam after it has been handed back in an attempt to deceive the instructor into believing the assignment was graded incorrectly, using cell phone during an exam. A student found guilty of academic dishonesty will receive an automatic E on the assignment, and in some cases the offense may lead to an E for the course, academic probation, or even expulsion. See sections 6.3.1 and 6.3.2 at `www.uky.edu/StudentAffairs/Code/part2.html` for more information regarding academic integrity.

Disability Accommodations: If you have documented disability that requires academic accommodations, please see me as soon as possible during scheduled office hours. In order to receive accommodations in this course, you must provide me with a Letter of Accommodation from the Disability Resource Center (Room 2, Alumni Gym, 859 257 2754, email address jkarnes@email.uky.edu) for coordination of campus disability services available to students with disabilities.

Suggestions: Constructive suggestions for this course are welcome at any time. I welcome suggestions that will improve the course both this semester and in semesters to come. If you have any concerns, please bring them to my attention first. Further recourse is available through the office of the Department Ombud and the Department Chair. Both the Ombud and the Chair can be reached from the main office in POT 719.

Classroom Behavior, Decorum, and Civility: I expect that you will not only attend class, but that you will participate in class. I expect that you will be respectful of yourself and others. Please turn off your cell phones when you enter class. Please do not work on other classes during class. Please do not surf the internet during class. Please do not read the newspaper during class, work on Sudoku, etc. during class. Please do not talk or whisper during lecture unless the instructor has given you the floor. In a classroom it is difficult for other students and the instructor to hear if there are several little conversations taking place at the same time.

The university, college and department has a commitment to respect the dignity of all and to value differences among members of our academic community. There exists the role of discussion and debate in academic discovery and the right of all to respectfully disagree from time-to-time. Students clearly have the right to take reasoned exception and to voice opinions contrary to those offered by the instructor and/or other students (S.R. 6.1.2). Equally, a faculty member has the right—and the responsibility—to ensure that all academic discourse occurs in a context characterized by respect and civility. Obviously, the accepted level of civility would not include attacks of a personal nature or statements denigrating another on the basis of race, sex, religion, sexual orientation, age, national/regional origin or other such irrelevant factors. Students who are not respectful, not civil, or disruptive in any way may be asked to leave the class.