Math 105 - Finite Mathematics
Course Syllabus
Spring 2019

Instructor	:	Dr. Edward Burkard
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Office	:	Copley 234
Office Hours	:	MW 5:30-6:30pm
	:	TR 5:00-6:00pm
	:	F 2:30-3:20pm
		drop in and by appointment
Course Webpage	:	`http://www.edwardburkard.com/?page=Teaching/105S19`

Section 1

Class Time	:	TR 13:20-14:50
Class Location	:	Copley 101

Section 2

Class Time	:	TR 15:00-16:30
Class Location	:	Copley 101

1. CATALOG COURSE DESCRIPTION

The course provides an introduction to several areas of finite mathematics which have numerous applications, particularly in the social sciences. Topics will include mathematics of finance, discrete probability, linear programming, matrices, and linear systems.

2. TEXTBOOK

The required textbook for this class is *Finite Mathematics for Business, Economics, Life Sciences, and Social Sciences*, 14th Edition, by Barnett, Ziegler, and Byleen. The main course topics will cover chapters 3, 5, 7, and 8. Other topics will be covered if time permits. We will use parts of chapter 1 and 2 for review of prerequisite material.

3. CALCULATOR

You are required to have a calculator in this class; it should at least be a scientific calculator, which will be sufficient. Be careful that you don't get a "statistics" calculator that doesn't have a key for e^x and ln. You do not need to have a graphing calculator. **You should bring your calculator to class every day.** You may use a calculator app on your phone during class, **but you may not use a phone app on quizzes and exams**. For quizzes and exams, you will need to use an actual calculator. Any calculator you use on a quiz or exam should be allowable on the SAT: `https://collegereadiness.collegeboard.org/sat/taking-the-test/calculator-policy`

4. GRADE

Your grade will be determined as follows:

Item	Short Quizzes	Long Quizzes	Midterms	Final
Percentage	15%	24%	36%	25%

Your grade will be determined by the percentage of the total points you've obtained. The grade scale will be no stricter than

Letter	A	B	C	D	F
Cutoff	92%	82%	72%	57%	0%

with +'s and −'s to be used as needed for the final grade only. That is, getting at least 92% will guarantee an A, getting at least 82% will guarantee a B, getting at least 72% will guarantee a C, and getting at least 57% will guarantee a D.

4.1. **Quizzes.** Every day which is not an exam day there will be a quiz, with the exception of the first day. There will be two types of quizzes, a short, 2 minute quiz, and longer 10 minute quizzes. The long quizzes will occur every Tuesday except for exam days, or the day after an exam. The short quizzes will happen on the remaining days. Quizzes will be given at the beginning of class. Long quizzes will consist of one or two problems pertaining to the material since the last long quiz and the problems will be chosen from the assigned homework for that material. Short quizzes will be a simple question pertaining to the material from the previous class. There will be 9 long quizzes, each worth 4% of the final grade and the lowest three will be dropped. This means long quizzes account for 24% of the final grade. There will be 13 short quizzes, each worth 1.5% of the final grade. The lowest 3 short quiz scores will be dropped meaning short quizzes account for 15% of the final grade. Since many quiz scores are being dropped, there will be no make up quizzes.

4.2. **Exams.** There will be 3 midterm exams for this class. The tentative exam dates are March 7th, March 28th, and May 2nd. Each midterm exam will account for 12% of the overall grade. The final is worth 25% of the overall grade. The final for section 1 is on Friday, May 24th at 2:00pm and the final for section 2 is on Thursday, May 23rd at 8:30am. Most exam problems will closely resemble those of the homework and quizzes. Missed exams may only be made up with an appropriately excused absence.

4.3. **Homework.** Homework will be assigned every class day to help you practice for quizzes and exams. Homework will not be collected, but long quizzes will be made from homework problems.

5. DISABILITY

Randolph-Macon College is committed to providing access to programs and services for qualified students with disabilities. If you are a student with a disability and require accommodations to participate and complete requirements for this course, notify me immediately and contact the Disability Services Office (DSS@rmc.edu or 804-752-7343) for verification of eligibility and determination of specific accommodations.

6. Code of Academic Integrity

Your compliance with the Code of Academic Integrity is assumed at all times in this class. This includes, but is not limited to, submitting your own work (even if you work together on assignments) and not cheating on exams. Please make sure you have read and understand this, which can be found in Fishtales: `https://www.rmc.edu/offices/student-conduct/student-handbook---student-conduct-code`

7. Conduct

You are expected to act in a respectable manner. If you are disruptive, you will be asked to leave. If you have a cell phone, please turn it off (or at least place it on silent) during class time. Lectures being interrupted by cell phones going off is disrespectful to everyone in the classroom. You may use a laptop for taking notes or for looking at the lecture notes, but otherwise browsing the internet is unacceptable.

Material in the syllabus is tentative, and I reserve the right to change any information in this syllabus in the event of an unforeseen event.