

University of Kentucky: Department of Mathematics, Spring 2018

MA 111: INTRODUCTION TO CONTEMPORARY MATHEMATICS

Section 008: TR 8:00AM-9:15AM JSB 203

Section 009: TR 9:30AM-10:45AM JSB 203

Instructor: Brandon Chase Russell

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Instructor Website: <http://www.ms.uky.edu/~cru227/MA111S2018>

Course Website: We will primarily use Canvas.

Office Hours: MW 1:00PM-1:50PM (POT 902)

T 12:00PM-12:50PM (Mathskeller)

(and by appointment)

Textbook: There is no required textbook for this course. However, there is a free, open textbook provided by David Lippman (and others) that can be found at the following link.

<http://www.opentextbookstore.com/mathinsociety/>

Grading: The following tables explain how grades will be calculated. I will do my best to keep grades up-to-date in Canvas. Even though I will record grades online (and on paper), it is still a good idea to keep any graded assignment until the end of the semester.

Assignment	Percentage	Points
Participation	6%	30
Project	11%	55
Homework	20%	100
Exam	14% (x3)	70 (x3)
Mini-Exam	7% (x3)	35 (x3)
Total	100%	500

Letter grade	Percentage	Points
A	90-100%	450-500
B	80-89.99%	400-449.9
C	70-79.99%	350-399.9
D	60-69.99%	300-349.9
E	0-59.99%	0-299.9

Participation: A portion of your grade will be determined by participation. This class is interactive. I will almost never lecture for an entire class period.

This semester we will be utilizing a free, classroom engagement tool called Socrative. This tool lets you use your laptop, smart phone, or tablet to answer questions in class. You can download the Socrative Student app in Apple's App Store or Google's play store. You can access the student login for Socrative online at the following link. If you do not have access to a laptop, tablet, smart phone, WiFi-enabled device, please let me know as soon as possible.

<https://b.socrative.com/login/student/>

If you are absent one day and have appropriate documentation, relay to me in person the necessary information within one week of your most recent absence (or email me with documents detailing the absence). At that point, we will discuss when you can make up any work you may have missed. If you do not contact me within a week, you may or may not be allowed to make up any missed assignment.

Project: A portion of your grade will be earned by completing a written project. Details regarding the project will be given later in the semester.

Homework: Homework will be assigned online at

<https://webwork.as.uky.edu/webwork2/MA111-S18-Russell>

and should be completed outside of class. To get to the WebWork assignment, please visit Canvas, click on the "Assignment" tab, and click on the assignment you'd like to work on. There should be a button saying "Load (assignment) in a new window." Click this to begin working on the assignment. Homework set A will open at the beginning of each unit and will close at 11:59PM on the day of the unit's mini-exam. Homework set B will open after the mini-exam and will close at 11:59PM on the day of the unit's exam.

Exam: There will be three in-class exams and a final (i.e., four exams total). If you need to take an alternate exam, please follow university policy to obtain one. If you miss an exam, provide proof for your university excused absence and we will find a time for you to makeup the exam. If you know in advance that you will be missing an exam, please let me know as soon as possible (with excuse at the ready). For your convenience, below is a list of exam dates and topics.

Exam	Date	Topic
Exam 1	Thursday, February 8, 2018	Voting Theory
Exam 2	Thursday, March 8, 2018	Probability
Exam 3	Thursday, April 5, 2018	Compensation
Exam 4	Sec. 009: Tuesday, May 1, 2018, 8:00AM-10:00AM Sec. 008: Wednesday, May 2, 2018, 10:30AM-12:30PM	Graph Theory

At the end of the semester, your lowest exam score will be dropped.

Mini-Exams: We will have a mini-exam midway through each of the four covered topics. Although (three of) these will contribute to your overall grade, they are designed more to give you an idea of the progress that you are making with the material. For your convenience, below is a list of exam dates and topics.

Mini-Exam	Date	Topic
Mini-Exam 1	Thursday, January 25, 2018	Voting Theory
Mini-Exam 2	Thursday, February 22, 2018	Probability
Mini-Exam 3	Tuesday, March 27, 2018	Compensation
Mini-Exam 4	Thursday, April 19, 2018	Graph Theory

At the end of the semester, your lowest mini-exam score will be dropped.

UK Core: This course satisfies the *Quantitative Foundations* requirement of the UK Core General Education program.

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 any assignment that is specifically designated as a group assignment.

Academic dishonesty, in any form, will not be tolerated. This includes, but is not limited to, copying a classmate's work, copying from the internet, 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. 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 (Suite

407, Multidisciplinary Science Building, 859-257-2754, email address dtbeac1@uky.edu) for coordination of campus disability services available to students with disabilities.

Classroom Behavior, Decorum, and Civility: The university, college and department have 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, with all subsequent penalties applied to their grade.

*It is important to note that this document is slightly fluid. If any small changes are made, everyone will be notified.