

# MTH 107 Syllabus

## Introduction to Finite Mathematics

### University of Rhode Island

#### FALL 2019

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#### Instructor Contact Information

Name: Meredith Boyajian  
Office: Lippitt 102 G  
Office Hours: Monday/Wednesday 1:00 pm – 2:00 pm or by appointment: [Book Appointment](#)  
E-mail: [mboyajian524@uri.edu](mailto:mboyajian524@uri.edu)

#### Class time/location:

Class: MWF 9:00 – 9:50 Rodman Hall 109

#### Course Materials:

- Mathematics: A Practical Odyssey (University of Rhode Island Edition) by Johnson and Mowry
  - A basic 4 or 6 function calculator. NO scientific or graphing calculators allowed on exams!
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#### MTH 107 Catalog Description

MTH 107 is a special topics course that satisfies the general education requirement for math at the University of Rhode Island. This course is designed for students who do NOT have precalculus or calculus requirements in their program of study. MTH 107 covers the following concepts of modern mathematics: Logic, Sets and Operations on Sets, Elements of Combinatorics, Probability and Statistics. Satisfies the general education requirements for A1 Stem and B3 Math/Comp/Stats.

#### Expectations

- Attend each class. Come prepared and be punctual. If you must be absent, contact me prior to your absence and explain to me why you will miss class. Random attendance checks will occur.
- Ask questions when needed.
- Doing well in this course requires effort on your part: come to class, be ready to learn, review your notes, and ask questions. We will devote some class time each day to addressing any problems or concerns you might have. You are also always welcome to email e or stop by my office to ask questions.
- Be respectful of yourself and your classmates. This means cell phones and iPods should be turned off during class time and the work that you submit must be your own (unless otherwise stated). In support of honest students, those discovered cheating on assignments or exams will receive a grade of zero on the assignment or exam.
- Use of unauthorized aids such as cheat sheets or information stored in calculator memories will be considered cheating. The Mathematics Department and the University strongly promote academic integrity.

## Grading Policy:

Worksheets:	100 points
Quizzes:	150 points
Exam 1:	50 points
Exam 2:	50 points
Exam 3:	50 points
Final Exam:	100 points
Total:	500 points

## Grading Scale

I will use the following scale for your grade in this course:

A	93 – 100	C	73 – 76
A-	90 – 92	C-	70 - 72
B+	87 – 89	D+	67 – 69
B	83 – 86	D	63 – 66
B-	80 - 82	D-	60 - 62
C+	77 - 79	F	< 60

## Make-Up Policy

- Exams **will not be made up** unless you have a documented emergency that you have told me about **prior to the date of the exam**. A make-up exam will be created for you that you must take within **one week** of the original exam date.
- Quizzes and worksheet assignments **will not be made up**. The 3 lowest quiz grades will be dropped, so if you miss a class, the missed quiz will go towards your 3 lowest scores.
- Your **attendance in class, therefore, is critical**.

## Religious Holidays:

Per policy of the URI, on an individual basis, the student has the opportunity to observe their traditional religious holidays. However, a written notification to each instructor is required.

## Illness Due to Flu

If any of you develop flu-like symptoms, please stay home until the fever has subsided for 24 hours. So if you exhibit such symptoms, please do not come to class. Notify me at [mboyajian524@uri.edu](mailto:mboyajian524@uri.edu) of your status, and we will communicate through email. We will work together to ensure that the course instruction and work is completed for the semester. The Centers for Disease Control and Prevention have posted simple methods to avoid transmission of illness. These include: covering your mouth and nose with a tissue when coughing or sneezing; frequent washing or sanitizing your hands; avoiding touching your eyes, nose, and mouth; and staying home when you are sick. For more information please view [www.cdc.gov/flu](http://www.cdc.gov/flu) or [flu.gov](http://flu.gov). URI Health Services web page, [www.health.uri.edu](http://www.health.uri.edu), will carry advice and local updates.

## University of Rhode Island's Civility Policy

The University of Rhode Island is committed to developing and actively protecting a class environment in which respect must be shown to everyone in order to facilitate the expression, testing, understanding, and creation of a variety of ideas and opinions. Rude, sarcastic, obscene or disrespectful speech and disruptive behavior have a negative impact on everyone's learning and are considered unacceptable. The course instructor will have disruptive persons removed from class if necessary.

## **Accommodations**

If you have a documented disability that may require individual accommodations, please make an appointment with me as soon as possible and provide written documentation so that, together, we may work out reasonable accommodations to support your success in this course. For further information or assistance, please contact URI's Disabilities Services for Students, Office of Student Life, Room 330 of the Memorial Union, or at (401) 874-2098.

## **URI's Academic Honesty policy**

Students are expected to be honest in all academic work. A student's name on any written work, quiz or exam shall be regarded as assurance that the work is the result of the student's own independent thought and study. Work should be stated in the student's own words, properly attributed to its source. Students have an obligation to know how to quote, paraphrase, summarize, cite and reference the work of others with integrity. The following are examples of academic dishonesty.

- Using material, directly or paraphrasing, from published sources (print or electronic) without appropriate citation
- Claiming disproportionate credit for work not done independently
- Unauthorized possession or access to exams
- Unauthorized communication during exams
- Unauthorized use of another's work or preparing work for another student
- Taking an exam for another student
- Altering or attempting to alter grades
- The use of notes or electronic devices to gain unauthorized advantages during exams
- Fabricating or falsifying facts, data or references
- Facilitating or aiding another's academic dishonesty
- Submitting the same paper for more than one course without prior approval from the instructors.

## **Academic Enhancement Center**

The Academic Enhancement Center helps URI students succeed through three services: Academic Coaching, Subject-Based Tutoring, and The Writing Center. To learn more about any of the services below, please visit [uri.edu/aec](http://uri.edu/aec) or call 401-874-2367 to speak with reception staff. In Providence, the Academic Skills Center (ASC) is at 239 Shepard Building, (401) 277-5221. Hours are posted each semester at <http://web.uri.edu/ceps/academic-skills-center/>

**Math Walk-tutoring** (located in Lippitt Hall room 206,) is a no-appointment-needed tutoring center where you can work with tutors and other students in this and other math courses. They provide free support in all math courses up to MTH 243. Bring your book, notes, and questions with you.

<b>MTH 107 PROPOSED CALENDAR FALL 2019</b>				
<b>WEEK #</b>	<b>WEEK OF</b>	<b>CHAPTER &amp; SECTION</b>	<b>REVIEW PROBLEMS FOR EXAMS</b>	<b>SPECIAL ANNOUNCEMENTS</b>
1	9/4	Intro to course 1.1 - Deduction/Induction	P15: 1,3,5,7,21,22	<b>No quizzes</b>
2	9/9	1.2 - Symbolic Logic 1.3 - Truth Tables	P26: 1,3,5,7,11,13,35,37 P40: 9,21,41,51,57	
3	9/16	1.4 - Conditionals 1.5 - Analyzing Arguments	P47: 1,7,11,18,21,33,37 P58: 1,5,11,23	
4	9/23	2.1 - Sets and Operations	P84: 1,2,7,11-21(odd),29,31	<b>Exam 1: Fri 9/27</b>
5	9/30	2.2 - Venn Diagrams 2.3 - Intro to Combinatorics	P95: 5,7,14 P104: 1 - 37 (odd)	
6	10/7	2.4 - Permutations and Combinations	P109: 1 - 11 (odd), 13,14,20,22,25,27-31	
7	10/14	3.2 - Intro to Probability	P159: 3,5,7,17,19,66,69	<b>No Class 10/14</b> <b>Monday classes meet 10/15</b> <b>Exam 2: Fri 10/18</b>
8	10/21	3.3 - Basic Rules of Probability 3.4 - Combinatorics and Probability	P173: 1,3,9,11,39,41,57,61 P187: 1,3,23-29 (odd),31	
9	10/28	3.5 - Expected Value	P196: 13,14,17,19,35	<b>Class Cancelled 10/28</b>
10	11/4	3.6 - Conditional Probability	P209: 1,5,7,15,17,21,23,30,41,43,45	
11	11/11	3.7 - Independence	P225: 1,3,9,13,15,17,23	<b>No Class 11/11</b>
12	11/18	4.1 - Population, Sample, Data	P245: 1,5,6,9,15	<b>Exam 3: 11/20</b>
13	11/25	4.2 - Mean, Median, Mode	P266: 1,3,5,11,15,17	<b>No Class 11/27 &amp; 11/29</b>
14	12/2	4.3 - Standard Deviation 4.4 - Normal Distribution	P279: 1,3,7,9,17,19 P303: 4-9 (odd)	
15	12/9	Review For Final Exam		<b>Final Exam TBA</b>

