FORDHAM UNIVERSITY
DEPARTMENT OF MATHEMATICS

COURSE SYLLABUS

COURSE: MATH 1100- L11 Finite Mathematics TERM: Summer I 2020

CLASS MEETING TIMES: TWR 6:00 PM -9:00PM LOCATION: TBA

INSTRUCTOR: Xiaojin Ye

EMAIL ADDRESS: xye21@fordham.edu OFFICE: JMH 418

Office hours: Tuesday 5:00 pm-6:00 pm And by appointment

1. COURSE CONTENT

This course fulfills the mathematical and computational reasoning requirement in Fordham’s core curriculum. The aim of this requirement is to develop the fundamental skills involved in mathematical and computational approaches to problem solving, reasoning and an understanding of our world. These skills also form the basis for advanced reasoning in many areas and provide a basis for testing logic, solving problems and evaluating mathematical and computational arguments and evidence in daily life. After completing this requirement, students will be prepared to explore quantitative and computational issues in the natural sciences, the social sciences and the humanities. In pursuit of these aims, we will explore two main topics: probability and statistics, and mathematical finance. This corresponds to the following chapters of the textbook.

Chapter 7: Sets and Probability
Chapter 8: Counting Principles and Further Probability Topics
Chapter 9: Statistics
Chapter 5: Mathematics of Finance.

2. TEXTBOOK REQUIRED:


1. Students will need to purchase a subscription to Pearson’s MyMathLab platform. This includes access to our weekly homework assignments, and an e-copy of the textbook. Visit https://registration.mypearson.com to enroll, and use our course ID: ye35603

You do not need a physical copy of the book.
3. **GRADING POLICY:**

Homework .................. 20%
Quizzes ...................... 10%
Exam1 ....................... 20%
Exam2 ....................... 20%
Final Exam .................. 30%

4. **ATTENDANCE POLICY:**

Students may be dropped after 3 absences. Regular attendance is essential for the successful completion of this course. Absence is not an excuse for coming to class unprepared.

5. **QUIZZES:**

There will be about 4 quizzes given. There are no makeup quizzes. Anyone not in attendance with an unexcused absence will miss out on these points.

6. **EXAMS:**

There will be 2 midterm exams and 1 final exam during the semester.

Please come to the exams on time. No extra time will be given to late comers. **Make-up tests will only be permitted for absences due to a documented family or medical emergency.** In order to qualify for a make-up test, the student must contact the instructor **within 24 hours** of the absence by phone or email and be prepared to provide documentation validating the absence if requested.

7. **HOMEWORK:**

Homework assignment will be assigned in MyMathlab weekly. Late homework will only be accepted with the permission of your instructor.

8. **EXTRA HELP:**

Early intervention is important to succeed in the class, you are very welcome to come to my office hours, or to make a special appointment with me if you cannot make my regular hours.

5. **CALCULATOR:**

Calculators or other electronic devices are permitted and sometimes necessary for homework problems. Scientific calculators will be permitted on exams. Cell phones, tablets, and computers will not be permitted on exams.
6. ACADEMIC INTEGRITY:

By being enrolled at Fordham University, students are bound to comply with the University Code of Conduct, which includes, but is not limited to the Standards of Academic Integrity.

7. DISABILITIES:

Under the Americans with Disabilities Act, all members of the campus community are entitled to equal access to the programs and activities of Fordham University. If you have (or think that you might have) a disability that may impact your participation in the activities, coursework, or assessment of this course, you may be entitled to accommodations through the Office of Disability Services. You can contact them at 718-817-0655, disabilitieservices@fordham.edu, or by visiting the lower level of O’Hare Hall (Rose Hill campus) or Lowenstein 408 (Lincoln Center campus).

Whether or not you have documentation for accommodations, your success in this class is important to me. If there are aspects of the course that are not accessible to you, please let me know as soon as possible so that we can work together to develop strategies to meet both your needs and the requirements of the course.

8. COURSE OUTLINE:

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<th>Date</th>
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<td>5/26</td>
<td>7.1</td>
<td>Sets; Applications of Venn Diagrams</td>
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<td>5/27</td>
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<td>Introduction to Probability; Basic Concepts of Probability</td>
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<td>Measures of Variation; The Normal Distribution</td>
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**DISCLAIMER:**

The course syllabus is a general plan for the course. The instructor may deviate from the syllabus, but all such deviations will be announced in class and posted to the course webpage.
To register for MATH 1100- L11 Finite Mathematics-Ye:

2. Under Register, select Student.
3. Confirm you have the information needed, then select OK! Register now.
4. Enter your instructor’s course ID: ye35603, and Continue.
5. Enter your existing Pearson account username and password to Sign In.
   You have an account if you have ever used a MyLab or Mastering product.
   » If you don’t have an account, select Create and complete the required fields.
6. Select an access option.
   » Enter the access code that came with your textbook or that you purchased separately from the bookstore.
   » If available for your course,
     • Buy access using a credit card or PayPal.
     • Get temporary access.

   If you’re taking another semester of a course, you skip this step.
7. From the You’re Done! page, select Go To My Courses.
8. On the My Courses page, select the course name MATH 1100- L11 Finite Mathematics-Ye to start your work.

To sign in later:

2. Select Sign In.
3. Enter your Pearson account username and password, and Sign In.
4. Select the course name MATH 1100- L11 Finite Mathematics-Ye to start your work.

To upgrade temporary access to full access:

2. Select Sign In.
3. Enter your Pearson account username and password, and Sign In.
4. Select Upgrade access for MATH 1100- L11 Finite Mathematics-Ye.
5. Enter an access code or buy access with a credit card or PayPal.