Instructor: Phanuel Mariano
E-mail: pmariano@purdue.edu
Office: MATH 413
Office Hours:
Tuesday: 2:20pm-3:30pm
Wednesday: 1:00pm-2:00pm
Friday: 1:00pm-2:00pm
or by appointment.
Course Webpage: `http://www.math.purdue.edu/∼pmariano/MA41600sum19/`

Text: Upper Level Undergraduate Orobability with Actuarial and Financial applications by Richard F. Bass et. al. (Open Source textbook)and my typed Lecture Notes.

Supplies: TI-83,TI-84 calculator (or similar)

Course Description:
Introduction to the theory of probability. Discrete and continuous random variables. Jointly distributed random variables, and properties of Expectation. Limit Theorems. Discussion of some of the probability problems encountered in scientific and business fields.

Homework:
- A schedule of assignments will be posted to the course webpage. These assignments will not be collected. The webpage can be found here:
  `http://www.math.purdue.edu/∼pmariano/MA41600sum19/`
- After each class, you will be expected to complete every problem related to the section covered in class. You should try completing each problem without consulting the solutions. After you've done all the problems for that chapter, you should then check your answers. If you still don't understand the solutions to the problems you got wrong, you should come to office hours and ask me. Please do not hesitate to come to office hours for help on the Homework
- It is **highly** recommended that students form study groups and work together on homework assignments.

Quizzes:
- A quiz will be given at the end of class every Wednesday/Friday class. They should take about 10-15 minutes to complete.
- There will be a quiz on every Wednesday and Friday, unless it says otherwise on the class schedule below. It covers all the material since the last quiz. They should take about 10-15 minutes to complete. Please see the schedule below. The quiz problems will come directly from the Homework problems. So there should be no surprise. This is why it's important that you really understand the homework problems and take them seriously. If you are struggling with the homework, please don't be shy and come see me during office hours. I am here to help. If office hours don't work for you, then please contact me to set up a meeting.
- Your lowest 2 quiz grades will be dropped at the end of the semester.
- There are **no make-up quizzes**, unless you have a very good excusable reason.(I mean it.)
- Answer keys to quizzes will be posted on the course webpage.

Grades:

Quizzes	See dates on course schedule	20%
Exam 1	Friday, June 21 in class	25%
Exam 2	Friday, July 12 in class	25%
Final Exam	TBA	30%

Academic Integrity:

This class employs a zero-tolerance approach to cheating. In the event that a student cheats (cheating includes, but is not limited to, giving or receiving aid on an exam) that student will be penalized in accordance with the Purdue Honors Pledge (https://www.purdue.edu/provost/teachinglearning/honor-pledge.html)

Accessibility Statement.:

Purdue University strives to make learning experiences accessible to all participants. If you anticipate or experience physical or academic barriers based on disability, you are encouraged to contact the Disability Resource Center at: drc@purdue.edu or by phone: 765-494-1247. In this mathematics course accommodations are managed between the instructor, student and DRC Testing Center. You should see your instructor before or after class or during office hours to share your Accommodation Memorandum for the current semester and discuss your accommodations as soon as possible.

Note to the Student:

Learning mathematics takes time and consistent effort. Regular class attendance, completing homework assignments, and reading class notes/textbook before every class is essential for success in this course for most students. Please, never hesitate to seek extra help when you need it.

Students often don't know how to study for math classes. My best advice is to use your book! Read the book. The book has worked out problems with detailed solutions with explanations of all key concepts. You don't read math books like a novel. The way you read a math book is with a pencil and paper. While reading an example in the textbook, you should be attempting the problem by yourself as you read it. I guarantee you that if you do this, you will do very well in any math class you take.