

**Ma 33 Probability and Statistics
Course Policy
Fall 2017**

Instructor: Doron Shahar

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Office Hours: by appointment (email me)

Class time: M 1:00pm-4:00pm T 6:30pm- 8:30pm W 1:00pm-4:00pm

Course webpage: <http://math.arizona.edu/~dshahar/probability.html>

General Information

Course Description: This course is an introduction to probability and statistics for engineers. We shall cover probabilistic models, random variables, stochastic processes, and statistical inference.

Textbook: There is no required textbook for this course. Below are some good reference books:

- Probability theory: A concise course by Rozanov
- Probability: An Introduction by Grimmett and Welsh.
- Introduction to probability theory by Hoel and Port
- Introduction to stochastic processes by Hoel, Port, and Stone
- Introduction to stochastic processes by Lawler
- Introduction to statistical theory by Hoel, Port, and Stone
- Basic Probability Theory by Ash.
Freely available at <http://www.math.uiuc.edu/~r-ash/BPT.html>
- Introduction to Probability by Grinstead and Snell.
Freely available at <https://math.dartmouth.edu/~prob/prob/prob.pdf>

Lectures and Recitations

I intend to split each class into two. For the most part, the first half of the class will be a lecture followed by a recitation sessions for the second half of the class. You are to work in groups on the problems assigned during the recitation sessions.

Attendance and Classroom Behavior

Students are expected to attend every scheduled class. If you need to miss class for unavoidable circumstances, contact me as soon as possible. It is your responsibility to notify me in advance of any absence related to religious observance and to arrange for how any missed work will be handled.

Students should be ready to start when class begins and stay until the end of class. Please let me know if you have a legitimate reason for being unable to arrive on time or stay until the end of class. If there is an emergency for which you need to use your cell phone or leave class early, please exit the room without disturbing the rest of the class and deal with the situation outside of the classroom.

Students should dress appropriately for class, be quiet and respectful of everyone in the classroom, and remain focused and working during the recitation portion of class.

Quizzes and Exams

There will be quizzes most weeks. Students will work with partners on the quizzes. There will also be a midterm and a comprehensive final exam. All electronic devices must be turned off during all exams.

In general, there will be no make-up quizzes or exams in the course. However, in complex and unusual circumstances which are beyond your control, a make-up quiz or exam may be given on a case-by-case basis. Approval in these cases is at my sole discretion. Any questions regarding the grading of exams need to be cleared up within one week after the quiz or exam has been returned.

Grades

Course grades will be computed by a weighted average as follows:

Quizzes: 30%

Midterm: 30%

Final exam: 40%

Your final course grade will be no lower than the following:

A: 100-90% B: 89-80% C: 79-70% D: 69-60% E: 59-0%

Important Dates

The midterm is tentatively scheduled for Wednesday, September 20. The exact date of the midterm will be announced in class. The final exam will be on Wednesday, October 18.

Please notify me as soon as possible if you have any conflicts with the dates of the exams.

University Policies:

Students are expected to behave in accordance with the Student Code of Conduct and the Code of Academic Integrity. The guiding principle of academic integrity is that a student's submitted work must be the student's own. University policies can be found at

<http://deanofstudents.arizona.edu/policiesandcodes>

Ask Questions

Oftentimes I will present a problem and have you work on a similar problem right after. I will present the answer, and if there are no questions, I will move on to the next problem. If you didn't understand how to do the problem or would like another example, please ask. You will not learn by sitting silently when you don't understand something.

If you don't feel comfortable asking questions during class, you can ask questions before or after class. You may also make an appointment to come to my office hours. Lastly, feel free to send me questions via email. Just know that if you send me an email, it may take me some time to respond. So you shouldn't wait until the night before a quiz or an exam to ask questions.

Welcome to Probability and Statistics, and Good Luck in the Course!