

MATH 103, Applications of Probability to Actuarial Problems: Spring 2020 A quick reference guide

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Office hours: Mondays, 10:30 a.m.–12:30 p.m. and Wednesdays, 9:00–11:00 a.m.

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Semi-official course description: Preparation for the Society of Actuaries' Exam P.

Text: No specific text is required, but you need to have a source of practice problems for Exam P to work through. This source can be either a paper study manual or an online study system. Please come talk to me for suggestions!

Classroom and time: Tuesdays, 4:30-5:55 p.m., location TBA

Grading scheme:

- Homework: 50%
- Problem submissions: 10%
- Problem comments: 10%
- Class participation: 20%
- Practice exams: 10%

You are required to work a minimum of 20 practice problems, at least half of which should cover the previous week's topic, and submit them in class each week. Each submission should be organized enough that I can see what you are trying to calculate and your thought process as well as your answer. Your work will be checked for completeness.

By the time I wake up on the day of each class in which you don't have an exam, you must post at least one problem that you had trouble with (or one whose solution you found interesting) in the past week to the discussion board for class discussion and post at least a partial solution to your classmate's problem from the week before that.

Most classes will consist of a 45-minute presentation on a set topic and then a problem session for the rest of the class. Two classes towards the end of the term will consist of mock exams (scaled down appropriately for the length of the class).

Attendance and active participation in each class is required. You have one automatic excused absence for the term; otherwise, I'll need a doctor's note, police report, or something comparable.

Calculator policy: You are only permitted to use calculators that are allowed for Exam P in this class. You can choose from the following Texas Instrument models: BA-35, BA II Plus, BA II Plus Professional Edition, TI-30XS MultiView, TI-30Xa, TI-30XIIS, TI-30XIIB, and TI-30XB MultiView. I recommend that you choose one from the TI-30 series since the BA series calculators are designed primarily for financial calculations.

Academic Honesty: You are expected to follow the Hofstra University Honor Code at all times. All forms of academic dishonesty are serious ethical and professional infractions. Hofstra's policy on academic honesty reads: "The academic community assumes that work of any kind [...] is done, entirely and without unauthorized assistance, by and only for the individual(s) whose name(s) it bears." See the "Procedure for Handling Violations of Academic Honesty by Undergraduate Students at Hofstra University"

(<https://www.hofstra.edu/faculty/senate/policy-series-011.html>) for a detailed discussion of dishonesty and Hofstra's procedures for handling violations. Violations will be reported.

You're encouraged to talk about the problems with your classmates and ask me questions if you get stuck, though copying your classmates' solutions is not allowed.

Accessibility Issues: If you believe you need accommodations for a disability, please contact Student Access Services (SAS). In accordance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, qualified individuals with disabilities will not be discriminated against in any programs or services available at Hofstra University. Individuals with disabilities are entitled to accommodations designed to facilitate full access to all programs and services. SAS is responsible for coordinating disability-related accommodations and will provide students with documented disabilities accommodation letters as appropriate. Since accommodations may require early planning and are not retroactive, please contact SAS as soon as possible. All students are responsible for providing accommodation letters to each instructor and for discussing with him or her the specific accommodations needed and how they can be best implemented in each course.

For more information on services provided by the university and for submission of documentation, please contact Student Access Services, 107 Student Center, (516) 463-7075.

Religious observances: If you have a religious obligation that conflicts with your participation in the course, you are responsible for notifying me far enough in advance for us to discuss your situation and agree on accommodations. Note that all students are responsible for completing all the work for the course. For more information, see Part II(B) of "Academic Freedom and Civil Liberties of Students at Hofstra University"

(<https://www.hofstra.edu/faculty/senate/policy-series-012.html>).

Discriminatory harassment, relationship violence, and sexual misconduct:

Hofstra prohibits sexual and other discriminatory harassment, stalking, domestic and dating violence, sexual assault and other sexual misconduct. If you or someone you know believes they have been subjected to any of these offenses, help is available. To make a report, or for more information about Hofstra's Student Policy Prohibiting Discriminatory Harassment, Relationship Violence, and Sexual Misconduct (for more information, see <http://hofstra.edu/sexualmisconduct>), please contact the Title IX Officer for Student Issues at (516) 463-5841 or StudentTitleIX@hofstra.edu or Public Safety at (516) 463-6606.

Confidential resources and support are also available from medical and counseling professionals in the Student Health and Counseling Center at (516) 463-6745) and clergy in the Interfaith Center.