

ADVANCED PROBABILITY
MA 587 2E
SPRING 2015

UAB MATH DEPARTMENT

Course Instructor: Prof. Paul H. Jung
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Office Hours: T/Th 3:30-4:30pm (or by appointment)

Meeting time: T/Th, 2–3:15pm
Final Exam: Tes 4/22, 1:30–4pm
Location: CH 458
Prerequisite: Grade of B or better in MA 485 (MA 260 or MA 434 is **highly** recommended)
Textbook: *Introduction to Probability Models* by S. Ross

Course policies:

- Make sure that you are able to receive e-mail through your Blazer-ID account. Course announcements will be sent to that address.
- To request a disability accommodation, contact DSS: 934-4205 or dss@uab.edu.

(Tentative) Exercises:

Chapter 1 (due 1/8): 3, 21, 22, 31, 44

Chapter 2 (due 1/27): 9, 20 (or equivalently 17), 32, 33, 34, 39, 43, 46a, 50, 53, 68, Read Examples 2.36 and 2.37

Chapter 3 (due 2/12): 3, 4, 7, 12, 14, 37, 40a

Chapter 4 (due 3/19): 1-3, 7, 14, 18, 19, 20, 21, 27, 41, 42, 46, 47, 57, Read Example 4.13 (up to the calculation of alpha)

Chapter 5 (due 4/9): Read Example 5.8, 2-5, 9, 26bc, 31, 34, 39abc, 42, 60, 94

Assessment procedures: There will be 6 quizzes on 1/8, 1/27, 2/10, 3/12, 4/7, 4/16 (based on HW). Quizzes 1-3 are worth 9% each. Quizzes 4-5 are worth 15% each. The Final is 43%. A is 83 and above, B is 67 and above, C is 50 and above, D is 33 and above.

Topics: We will cover Chapters 1-6 of the text, with the main focus being on Chapters 4-6.