

ADVANCED PROBABILITY
MA 587/687 2E
SPRING 2014

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: HHB 221 (or CH 458)
Prerequisite: Grade of B or better in MA 485 (MA 260 or MA 434 is highly recommended)
Textbook: *An Intro to Stochastic Modeling* by Pinsky and Karlin

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.

Exercises:

- 1.2: 4, 5, 6, 9
- 1.3: 2, 3, 5
- 1.4: 2, 4, 5, 6
- 1.5: 3, 4
- 2.9: 4, 8, 12
- 3.6: 5, 20
- 2.1: 1, 2, 3
- 2.3: 1
- 3.1: 4, 5
- 3.2: 2, 5, 6
- 3.3: 5
- 3.4: 2
- 3.5: 7, 8
- 3.6: 1, 2, 4
- 3.7: 1, 2

4.1: 2
4.2: 5
4.3: 4
4.4: 2, 3
3.8: 2
3.9: 1, 4

Problems:

1.2: 2, 11, 13
1.3: 2, 4, 6*, 12
1.4: 1, 5*
1.5: 3, 7*
2.1: 3
2.3: 4
3.1: 1, 4*
3.2: 4*
3.4: 4*, 6
3.7: 3
4.1: 2, 4, 6, 7*
4.2: 6
4.3: 1
4.4: 1, 2*
3.8: 2
3.9: 3*

* problems are only for 687 students. Written solutions for these should be turned in.

Chapter 4 problems and exercises TBD

Chapter 5 Exercises for 687 (No Problems):

5.1: 2, 3, 4, 5, 7
5.2: 1, 2, 3, 4
5.3: 1, 3, 5, 9
5.4: 1, 2

Assessment procedures: There will be 6 quizzes on 1/9, 2/6, 2/20, 3/11, 4/3, 4/17 (based on HW) worth 10% each. The Final will be 40%. A is 83 and above, B is 67 and above, C is 50 and above, D is 33 and above. Alternatively, quizzes 2-6 will count 11% each and the Final will be 45%

Topics: We will cover Chapters 1-4 and part of 5 of the text. MA 687 students will additionally work on the rest of Chapter 5 as well as 6.