Probability, MA 485/585-25 Winter 2001

Class meets on Tuesdays and Thursdays 5:45pm-7:50pm in Room 128 CB

Instructor: Dr. Nikolai Chernov

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Office hours: Tuesday and Thursday 4:30-5:30pm and by appointment

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Text: S. Ghahramani, Fundamentals of Probability, 2nd Ed.

Class notes are available on the web (see back).

Grading policy: (One of two schedules that yields a better grade for you)

Homework	15%	or 0%
Midterm I (Jan 25)	25~%	30 %
Midterm II (Feb 15)	25~%	30 %
Final (Mar 8, 6-9pm)	35~%	40 %

To 585 students: You are taking this course at a graduate level! You will be given extra, more difficult, assignments periodically. Unlike regular homework assignments, those extra assignments are mandatory. The extra assignments will make 15% of your course grade, the rest will count for 85%. They can be turned in any time before or on the final test. Early submission is recommended – you will have chance to correct your mistakes. If you do correctly 80% of 585 problems, you will get full credit for this part of the course. If you do more, you'll get extra credit.

Homework: Problems will be assigned weekly on Tuesdays, unless announced otherwise. HW will be due the next Tuesday after assignment. Corrected and graded HW will be returned on Thursday the same week. If you turn the HW in and the schedule #1 above gives you a better grade, it will be automatically applied. Otherwise, your HW scores (if any) will be dropped and the schedule #2 will be applied. One (lowest) HW score will be dropped in any case. Half credit is given for late homework.

All tests in this course are **open-book** and **open-notes**.

You may use a calculator, and most likely you will need one, so bring it with you.

Welcome to MA 485/585 and best of luck to you all.

Syllabus:

2.2 + 2.3 + 2.4	Jan 4
1.2 + 1.3 + 1.4 + 1.7	Jan 9
3.1 + 3.2 + 3.3 + 3.4	Jan 11
3.5 + 4.1	Jan 16
4.3 + 5.1 + 5.2 + 5.3	Jan 18
4.2 + 6.1 + 7.1	Jan 23
	Jan 25
7.3 + 6.2	Jan 30
7.2	Feb 1
8.1 + 8.2 + 8.4 + 8.5	Feb 6
4.4 + 4.5 + 6.3 + 9.1	Feb 8
10.1 + 10.2	Feb 13
	Feb 15
9.2 + 9.3	Feb 20
10.3 + 10.4 + 7.2	Feb 22
10.5	Feb 27
from 3.3	Mar 1
from 5.2	Mar 6
19. FINAL EXAM (covers classes 12–18 + selected topics from 1–11)	
	1.2 + 1.3 + 1.4 + 1.7 $3.1 + 3.2 + 3.3 + 3.4$ $3.5 + 4.1$ $4.3 + 5.1 + 5.2 + 5.3$ $4.2 + 6.1 + 7.1$ $7.3 + 6.2$ 7.2 $8.1 + 8.2 + 8.4 + 8.5$ $4.4 + 4.5 + 6.3 + 9.1$ $10.1 + 10.2$ $9.2 + 9.3$ $10.3 + 10.4 + 7.2$ 10.5 from 3.3 from 5.2

The syllabus is tentative, some changes may occur.

The class lectures contain material that is not in the book. The class notes cover all lectures.

Class notes (and past exams, some with answers, and more) are available at www.math.uab.edu/chernov/teach.html

(or just go to www.math.uab.edu, click on "people", then "chernov", then "teaching"). You will need an Acrobat Reader (it is free) to view/print the class notes and other material. Instructions are provided on my web page.

Regular class attendance is very important and strongly encouraged.