Instructor: Jyothsna Sainath  
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Class Hours: TR 2:00 PM - 3:20 PM, JTB 120

Office Hours: 3:30 PM – 4:30 PM, TR or by appointment.

Course Material:
Required Textbook: Introduction to Probability and Mathematical Statistics  
by L. Bain and M. Engelhardt, Second Ed.
Prereq: Math 5080 (Statistical Inference) (grade C or higher)

Quizzes: There will be a quiz every Thursday covering material of the past week. There will be no make-up or  
rescheduling of quizzes. Two of the lowest quiz scores will be dropped at the end of the semester.

Home Work: Homework will not be collected or solved in class. Students are strongly urged to work at least the  
suggested problems below as minimum preparation toward quizzes and exams. Please come by during office hours  
or set up a time to talk to the instructor if there are questions with respect to homework problems.

Chapter 12 (pp. 436–441):
1,2,3,5,6,7,9,10,11,12,16,17,18,19,21,22,24,27,28,29,30,31,37,38

Chapter 13 (pp. 462–467):
4,5,9,10,11,12,15,16,18,21

Chapter 14 (pp. 495–498):
1,2,11,12,13,17,18,19

Chapter 15 (pp. 535–539):
1,2,5,6,7,8,11,16,17,19,22

Chapter 16 (pp. 579–585):
1,3,5,6,7,8,9

Exams: There will be 2 mid terms apart from the final exam on the following days:
- Mid Term I: Thursday, 13th February
- Mid Term II: Thursday, 9th April
- Final: Friday, 24th April, 1:00 - 3:00 pm (Comprehensive)

All exams, midterms and the final will only be given at the scheduled time. Students are expected  
to arrange personal work around the announced dates. Please come by and talk to the instructor,  
ONLY in the event of the most extenuating of circumstances.
**Grading:** The minimum scores to guarantee a certain grade are: 90 for an A, 80 for a B, 70 for a C and so on. This is a rough guide and may be subject to change. The break up of points in this course is as follows:

- 2 Mid Term exams: 25 % each
- Final Exam: 35 %
- Quizzes: 15 %

**ADA Statement:** The University of Utah seeks to provide equal access to its programs, services and activities for people with disabilities. If you will need accommodations in the class, reasonable prior notice needs to be given to the Center for Disability Services, 162 Olpin Union Building, 581-5020 (V/TDD). CDS will work with you and the instructor to make arrangements for accommodations. All information in this course can be made available in alternative format with prior notification to the Center for Disability Services.

**Tutoring:** The Rushing Math Center offers free drop-in tutoring, a computer lab, and study 2 areas for undergraduates. The Rushing Student Center is adjacent to the LCB and JWB. The hours for the Fall semester are: 8 am – 8 pm Monday to Thursday and 8 am – 6 pm on Friday. The tutoring center will open the second week of classes.

**Safety:** The University of Utah values the safety of all campus community members. To report suspicious activity or to request a courtesy escort, call campus police at 801-585-COPS (801-585-2677). You will receive important emergency alerts and safety messages regarding campus safety via text message. For more information regarding safety and to view available training resources, including helpful videos, visit: safeu.utah.edu <https://safeu.utah.edu/>.