STT 351 Section 1: Probability and Statistics for Engineers
Fall, 2015

Time: Monday-Wednesday-Friday: 10.20 am – 11.10 am

Place: WH A318

Instructor: Subhra Sankar Dhar

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Website: please log on angel.msu.edu and find the course under “My Angel Courses” menu.

Office Hours: Monday-Wednesday: 12 noon – 1.30 pm


Prerequisite: MTH 234 or MTH 254H or LB 220
Not open to students with credit in STT 430.

The coverage will be chapters 1 to 9 and 12, and the lecture notes given in the classes. This is a demanding course and the students are expected to attend all lectures, bring the text book to the class and do all the homework.

STT 351 introduces students an introductory level of probability and statistical analysis. In comparison to general statistics courses, the course is intended to cover topics more relevant to the areas of engineering and physical sciences.

The specific topics of the course include basic probability concepts, discrete and continuous random variables, probability distributions, joint probability distributions, point estimation, confidence intervals and tests of hypotheses. Simple linear regression and correlation.

Quizzes: There will be six 20-minute quizzes during the semester. Quiz questions will be based on homework problems and the examples given in class. There will be no make up quizzes. The lowest quiz score will be dropped.
Important Dates:

September 2, 2015  Classes Begin
September 7, 2015  University Closed
September 28, 2015  End of Tuition Refund Period
October 21, 2015  Middle of Semester
November 26 - 27, 2015  University Closed
December 11, 2015  Last Day of Class

Final exam on Wednesday, December 16, 12.45 pm – 2.45 pm

Midterm exam will be taken in the class on Friday, October 30, 2015. (No make-up exam will be given for any reason.)

Dates of the quizzes: September 16, September 30, October 14, November 11, November 23, December 2.

The homework will be assigned on every Friday and will be due in class on the next Friday. No late homework will be accepted.

The division of marks: Quizzes: 25%, Midterm: 20%, Homework: 15%, Final exam: 40%.

Grading scheme: 4.0(>=90%), 3.5(80%-89%), 3.0(70%-79%), 2.5(60%-69%), 2(50%-59%), 1.5(40%-49%), 1(30%-39%), 0(<=29%).

Note: The instructor reserves the right to modify the above if necessary.