STT 351: Probability and Statistics for Engineering
Spring 2015

Time/Place: MWF 11:30am - 12:20pm A224 WH
Instructor: Farzad Sabzikar, C430 Wells Hall, (517)353-8881
Email: sabzika2@stt.msu.edu
Website: Please go to https://www.stt.msu.edu/Academics/ClassPages/ and check under STT 351 Section 2 for all course information.
Office Hours: MWF 1:00pm-1:50pm & by appointment

Prerequisites: MTH 234 or MTH 254H or LB 220.

Help Room: You can get help with course material by going to Statistics Help Room A 100 Wells Hall. The help room hours can be found at the website: http://www.stt.msu.edu/courseinfo/helproom.asp

Grading: Final grades will be based on two midterms scoring 30%, final exam 25%, best five of six quizzes 25%, and homework assignments 20%.

Midterms: There will be two in-class midterm exams on Friday February 13 and Friday March 27.
Final Exam: The final exam will be on Thursday, May 7, from 10:00am—12:00 noon. The final exam is comprehensive.
Quizzes: There will be six 15-minute in-class quizzes during the semester. The lowest score will be dropped. The quizzes will be given on the following Fridays:

January 23, February 6, February 27, March 20, April 10, April 24

Homework: Homework will be assigned each week and will be collected each Monday.
Grading Scale:

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<tr>
<th>Percentage</th>
<th>90-100</th>
<th>85-89</th>
<th>80-84</th>
<th>75-79</th>
<th>70-74</th>
<th>60-69</th>
<th>50-59</th>
<th>50↓</th>
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<tbody>
<tr>
<td>Grade</td>
<td>4.0</td>
<td>3.5</td>
<td>3.0</td>
<td>2.5</td>
<td>2.0</td>
<td>1.5</td>
<td>1</td>
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Course Description:
This course provides a basic introduction to probability and statistics for engineering students. The students will learn the theory of statistical decision making and how to implement statistical techniques for various practical applications. Topics covered include probability models, random variables, confidence intervals, testing of hypotheses and simple linear regression with applications to engineering.

Chapters 1-5, 7-9 and 12 from the textbook will be covered.

Important Dates:
- January 12    First day of classes
- January 19    Martin Luther King Day – No class
- February 6    End of tuition refund
- March 4       Middle of semester
- March 9—13    Spring break
- May 8         Last day of classes

Policies:
Academic Honesty: The Department of Statistics and Probability adheres to the policies of academic honesty as specified in the General Student Regulations 1.0, Protection of Scholarships and Grades, and in the All-University of Integrity of scholarship and Grades which are included in Spartan Life: Student Handbook and Resource Guide. Students who plagiarize will receive a grade 0.0 on the homework, exam or quiz.

ADA: To arrange for accommodation a student should contact the Resource Center for People with Disabilities at http://www.rcpd.msu.edu/ or (517)353-9642

Disclaimer:
The instructor reserves the right to make any changes he considers academically advisable. Changes will be announced in class and on the course web site. It is students’ responsibility to keep up with any changed policies and assignments.