

STAT 3010-90: Statistics for Engineers and Scientists
Fall 2010

Time: M W F 9:00–9:50am
Place: Parker Hall 318
Instructor: Dr. Erkan Nane
Office: Parker Hall 340
Telephone: 844-6595
E-Mail: ezn0001@auburn.edu
Office Hours: M W F 10:00–10:50am, and by appointment
Text: *Applied Statistics for Engineers and Scientists*, Second Edition,
by Jay Devore and Nicholas Farnum. Thompson Brooks/Cole
Prerequisite: Mathematics 1620 (Calculus II), or an equivalent course

Course Description: Statistics is a discipline that supports research and development; its methods help scientists and engineers answer questions in the face of variability. In STAT 3010 students are exposed to models and methods that are used in engineering disciplines, applied research and industry. Continuous themes are the importance of quality data, the careful use of terms, and the clear presentation of statistical information and analysis.

Coverage: The textbook will be followed fairly closely. We will cover selected parts of Chapters 1-8.

Homework: Homework will be assigned regularly in class. They will not be collected but we recommend you to work out the problems. The quiz problems will be based on them.

Quizzes: There will be four quizzes (50 points each). The lowest quiz grade will be dropped. The quizzes will be given the last thirty minutes of the following Fridays:

September 3; September 24; October 29; December 3.

Midterm exams: The two mid-term exams (100pts each) will be in class on : **October 8 and November 10.**

Make-up exams will only be allowed in extreme circumstances.

Final exam: A **comprehensive** final(200pts) will be given on Wednesday, Dec 8, 8:00–10:30 am.

Grading: Quizzes=150pts, Midterms=200pts, Final=200pts, Total=550pts. The grading scale will be as follows:

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|--------------|---|
| 85–100% | A |
| 70–84% | B |
| 55–69% | C |
| 40–54% | D |
| 39% or below | F |

The instructor reserves the right to make any changes he deems academically advisable.

Important Dates for Fall Semester 2010

Aug. 18 Classes Begin (Wed)
Sept. 6 Labor Day (Mon)
Oct. 7 Mid Semester (36th Class Day)** (Thu)
Nov. 22-26 Thanksgiving Break (Mon-Fri)
Dec. 3 Classes End (Fri)
Dec. 4, 5 Study/Reading Day (Sat, Sun)
Dec. 6-10 Final Exam Period (Mon-Fri)
Dec. 13 Commencement (Mon)

* Last day to withdraw from a course with no grade assignment

** Last day to withdraw from a course with no grade penalty

Tips: This course is demanding and requires a great deal of work. Students are responsible for all material covered in class. Students are expected to attend each class period and to bring text. Read the textbook as assigned. Study the examples solved in class and in the textbook. Then do the homework problems. Try to study every day even if it has to be a few minutes only. It takes time and frequent practice to become comfortable with the material. Do not fall behind!

Policies: Academic Honesty (DISHONESTY): Suspicion of academic dishonesty and/or cheating will result in action by the University Honesty Committee. Refer to the Tiger Cub for more specific details. Student who plagiarize will receive a grade 0.0 on the assignment.

Special needs: To arrange for accommodation a student should contact the office of the Program with Disabilities, located in 1244 Haley center