

STAT 3600-090: Statistics and Probability I
Spring Semester, 2010

- Time:** M W F 9:00–9:50am
- Place:** Parker Hall 328
- Instructor:** Dr. Erkan Nane
- Office:** Parker Hall 340
- Telephone:** 844-6595
- E-Mail:** nane@auburn.edu
- Office Hours:** M W F 10:00–11:00am, and by appointment
- Text:** *Probability and Statistical Inference*, Eighth Edition, by Hogg and Tanis
- Prerequisite:** Mathematics 1620 (Calculus II), or an equivalent course

STAT 3600 is a calculus based course in which we require the students to have prior experience in basic univariate/bivariate integration and differentiation techniques before taking this course.

Coverage: The specific topics of the course include combinatorics, basic probability concepts, discrete and continuous random variables, classical probability distributions with an emphasis on Normal distribution, multivariate distributions, expected values, conditional probability, independence, Moment generating functions, central limit theorem. These topics are the chapters 1-5 from the textbook.

Homework: Homework will be regularly assigned. It is expected that students will do all the homework assigned, it will be due Wednesday of next week. The lowest 2 homework grades will be dropped.

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:
January 29; February 19; April 9; April 29.

Midterm exams: The mid-term exam (100pts) will be in class on : **March 12.**

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

Final exam: A **comprehensive** final(200pts) will be given on Thursday, May 6, 8:00–10:30 am.

Grading: Hws=100pts, Quizzes=150pts, Midterms=100pts, Final=200pts, Total=550pts.
The grading scale will be as follows:

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 2009

Jan. 11 (Mon) Classes Begin
Jan. 18 (Mon) M. L. King Day (Holiday)
Feb. 1 (Mon) 15th Class Day*
Mar. 3 (Wed) Mid Semester (37th Class Day)**
Mar. 15-20 (Mon-Sat) Spring Break
May 3 (Mon) Classes End
May 4 (Tues) Study/Reading Day
May 5-7, 10-11 (Wed-Fri, Mon-Tue) Final Exam Period
May 14 (Fri) Commencement

* 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