BIOSTATISTICS 661 (SPRING SEMESTER, 2007)

INSTRUCTOR:
Bahjat Qaqish
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WEB SITE:
ftp://ftp.bios.unc.edu/distrib/bios661

LECTURES:
Every Tuesday and Thursday, 12:30pm to 1:45pm, Room 1305, McGavran-Greenberg Hall.

GRADING SCHEME:
i) MIDTERM EXAM (worth 30% of final grade; the midterm exam is scheduled for Saturday, March 3, 2007).
ii) FINAL EXAM (worth 50% of final grade; the official UNC time for the final is 4 PM, Thursday, May 3, 2007.
iii) HOMEWORK (worth 20% of final grade; there will be some homework assignments to be submitted for grading. These homework assignments are to be done INDEPENDENTLY of other students in the class; questions concerning these homework assignments should ONLY be addressed to the course instructor and to the course assistant.)

COURSE ASSISTANT:
Kunthel By. The course assistant will be grading the homework assignments and will be offering a weekly tutoring session.

REQUIRED TEXT:

OPTIONAL TEXTS:

OTHER COURSE MATERIALS:
To be distributed in class or posted on the class website.

COURSE PREREQUISITE:
A grade of L or better in Biostatistics 660, or permission of the instructor.

PLAN:
The plan is to cover roughly chapters 5-10 of C&B (Casella & Berger), plus linear and logistic regression from chapters 11 and 12. Not all the material in C&B will be covered; some of the less essential sections will be skipped due to time constraints.

SCHEDULE (approximate):
Preliminaries: 2 lecture
Chapter 5, Random Samples, 6 lectures
Chapter 6, Data Reduction, 4 lectures
Chapter 7, Point Estimation, 5 lectures
Chapter 8, Hypothesis Testing, 4 lectures
Chapter 9, Intervals, 4 lectures
Chapter 10, Large Samples (Asymptotics), 2 lectures
Chapter 11, Linear Regression, 1 lecture
Chapter 12, Logistic Regression, 1 lecture