

STATISTICS/M.E. 424

INSTRUCTOR: R. Johnson

OFFICE: 4393 Comp. Sci.-Statistics Center

OFFICE HOURS: 1:20 -2:30 M and W

Web: www.stat.wisc.edu/~rich go down page to Stat424 and click.

TEXT STATISTICS FOR EXPERIMENTERS

by G. E. P. Box, S. Hunter and W. Hunter (BH^2)

TA: Soowan Shon. Rm 4265 Comp. Sci.-Statistics Center

Discussion Sections. TA will answer questions and discuss lecture material and homework solutions.

DISC 311 3:30 M 1289 Comp S-St.

DISC 312 12:05 M 1289 Comp S-St.

Prerequisites; A prior course in statistics and familiarity with Windows, Mac, or Linux.

Syllabus:

1. Review of two independent samples and matched pair designs. (Chapters 4 and 5)
2. One-way analysis of variance (Chap. 6)
3. Randomized block designs (Chap. 7)
4. Unreplicated, replicated and blocked two-level factorial designs (Chapters 10 and 11)
5. Unblocked and blocked fractional factorial designs (Chapters 12 and 13)
6. Linear least squares regression (Chap. 14)

ANY TRIPS YOU PLAN TO TAKE SHOULD BE SCHEDULED TO AVOID CONFLICT WITH THE EXAM DATES.

Inform the instructor during the first two weeks of class of any conflicts.

Grading:

Grade is based on the total of:

- (1) Midterm exam I (23%)
R Oct. 9
- (2) Midterm exam II (23%)
T Nov. 18
- (3) Final exam (29%)
W Dec. 17, 7:45 am
- (4) Project (15%)
Due F 12/7/03 by 11:00 am.
- (5) Homework (10%)
(Total home work points)

Computing: We will use MINITAB software available on computers at Union South.

Computers are not permitted in the exams.