Applied Statistical Methods **4753-180** **Summer 2012**

MTWRF 10:30 AM - 11:35 AM Room: Carson Engr Ctr (CEC 0031)

Course objective: Basic statistical notions and definitions, estimation, hypothesis testing, analysis of variance, regression and correlation, goodness-of-fit, other topics as time permits.

Text: *Statistics for Engineering and the Sciences by W. Mendenhall and T. Sincich, 5th ed.*

Topics: Sections of Chapters 1, 2, 3, 4, 5, 6, 7, 8, 9, (11, 14) of the book (as time permits).

Evaluation : 25% for homework, 25% for tests.

As for exams, no make-ups, with rare exceptions; see me at least a week before the exam date if a time conflict arises, and the reason is serious enough.

Preliminary schedule for the exams (subject to changes announced in class):

1.Test: Friday, June 1st

2.Test: Friday, June 22nd

3.Test : Friday, July 6th.

Instructor: Rüdiger Landes
1121 PHSC
Office: MTWR noon - 1:00 pm, or by appointment.

Accommodation policy: Any student in this course who has a disability that may prevent him or her from fully demonstrating his or her abilities should contact me personally as soon as possible so we can discuss accommodations necessary to ensure full participation and facilitate your educational opportunities.

The Office of Disability services is located in the Goddard Health Center Suite 166

phone 405-325-3852 or TDD (only) 405-325-4173

Religious Holidays: It is the policy of the University to excuse the absences of students that result from religious observances and to provide without ¡penalty for the rescheduling of examinations and additional required classwork that may fall on religious holidays.

Policy on academic misconduct: University policies require that all cases of academic misconduct in this course are reported to the Campus Judicial Coordinator.

An outline on OU's expectations of academic honesty can be found on the web at

http://www.ou.edu/provost/integrity/

It defines misconduct, provides examples of prohibited conduct (including plagiarism, improper collaboration and Internet cheating) describes the procedures in case of an academic misconduct and explains sanctions available for those found guilty of misconduct.

For information on your rights to appeal charges of academic misconduct consult

http://www.ou.edu/provost/integrity-rights/

Grading: Each category, the Homework , the Midterm Tests and the Final Test, is graded with an letter grade A+, A, A-, B+, B, $\cdots$, D-, F+, or F , (0 for an assignment or test not turned in or taken.)

In order to determine the course grade with the weights specified above an integer is assigned to the letter grade according to the following list.

A+	A	A−	B+	B	B−	C+	C	C−	D+	D	D−	F+	F	0
15	14	13	12	11	10	9	8	7	6	5	4	3	2	0

The numbers corresponding to the grades on each category is multiplied by the weight and the resulting sum is then a number between 0 and 15.

If this number is greater than 3.5 your grade is at least a D,

if it is greater than 6.5 the grade is at least a C,

if it is greater than 9.5 the grade is at least a B,

if it is greater than 12.5 the grade is at an A.

Example:

Category	Grade	Grade × weight	Category #
Homework	B	11 × .25	2.75
1.Test	C+	9 × .25	2.25
2.Test	A−	13 × .25	3.25
3.Test	B−	10 × .25	2.5
		Sum Cat.#'s	10.75
Course Grade	B		

The Grade on the Homework is determined as follows:

There will be about 11 homework assignments each will receive a letter grade. To determine the grade on the Homework the numbers related to the grades of the assignments will be summed up. The sum then is divided by a "count number" not bigger than the number of homework assignments. The result will be rounded to the next integer and the grade of the Homework is the grade related to that integer.

Please note:

- There will be **no** extra credit assignments.
- The 3.Test is mandatory, if the 3.Test is not taken the course grade is F .

More important dates c.f:

http://www.ou.edu/content/admissions/home/academic_calendar/summer_2012.html