Expanded Description: Statistical Quality Control (3) (Prereq: STAT 509 or STAT 515 or BADM 292) Statistical thinking and its role in total quality, monitoring and improving processes, construction and interpretation of control charts for process control, rationally sampling a process, process capability, tools for troubleshooting.

Objectives: To acquaint students with statistical thinking and its role in Total Quality, emphasizing its use to monitor and improve processes and to identify sources of process variation. To prepare students for further study in statistical methods for product and process improvement such as design of experiments.

Instructor: J. Lynch, 420K LeConte, 777-7800, lynch@stat.sc.edu

Office Hours: MW 1:45-3, T 9:45-11 - If you cannot come at these hours, give me a call and I will be happy to arrange a different time with you.


The material tentatively scheduled to be covered is from chapters 1-14. Your grade in the course will be determined as follows:

- Test 1 (Sept 22) 25%
- Test 2 (Oct 27) 25%
- Final (Dec 6 - 5:30 PM) 30%
- Project 10%
- Homework 10%

A: 93-100% B+: 88-92% B: 83-87% C+: 78-82%
C: 70-77% D+: 66-69% D: 61-65% F: ≤ 60%

Homework: Homework will be assigned regularly, some of which will be graded. All homework assignments will be due as indicated in class. NO LATE HOMEWORK WILL BE ACCEPTED

Honor Code: See the Carolina Community and the Carolina Community.