Instructor: Jason A. Osborne  
SAS Hall, Room 5238  
Phone: 515-1922  

Email: osborne@stat.ncsu.edu (for administrative matters only. For technical questions, please see me)  

Office Hours: Tues, Thurs. 9:00 a.m. - 11:00 p.m. (subject to change)  

Course Website: [http://www.stat.ncsu.edu/people/osborne/courses/st512](http://www.stat.ncsu.edu/people/osborne/courses/st512)  

Lecture: M,W 8:30 a.m. - 9:45 a.m., SAS Hall 1216  

Labs: SAS Hall 1107 (SICL lab), M, Tue. 10:15 am - 11:30 am  

TAs:  
Meng Li, (mli9@ncsu.edu)  
Hui-Jie Lee, (hlee12@ncsu.edu)  


Lecture notes: Online or at SirSpeedy (834-8128)  

Computing: The statistical software package SAS will be used extensively. The labs are intended in part to facilitate the learning of this package. (SAS is available free of charge for NCSU students, see [http://sas.ncsu.edu/](http://sas.ncsu.edu/) for info.)  

Course Description: ST512-R is an applied course that introduces statistical methods based on linear models commonly used in designed experiments with continuous response variables. Examples include multiple linear regression, factorial designs, and split-plot experiments. It is a prerequisite for most advanced courses in statistics.  

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<th>Topic</th>
<th>Chapter</th>
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<td>Simple and multiple linear regression</td>
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<td>Blocking: the RCBD and latin square</td>
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Policies of the instructor

**Attendance:** While not mandatory, regular attendance and oral participation are encouraged. They will not be considered in the grading process.

**Graded Coursework:**

- Homework: 7 assignments, the avg. of which counts 20% of total grade
- First midterm exam, (Wed., September 21), 25% of total grade
- Second midterm exam, (Wed., October 26), 25% of total grade
- Final Exam, (Wed., December 14, 8:00 a.m. - 11:00 a.m) 30% of total grade
- Students achieving
  \[
  \begin{align*}
  \geq 90\% & \text{ of the total points will receive at least an A-} \\
  \geq 80\% & \text{ of the total points will receive at least a B-} \\
  \geq 70\% & \text{ of the total points will receive at least a C-}.
  \end{align*}
  \]

**Homework:** Working together on homework is acceptable, but assignments must be submitted individually. If SAS printouts are included in work, output and page counts must be kept to a minimum, and pertinent elements of the output must be explained clearly. Homeworks graded as satisfactory will receive a score of 100%, homeworks graded as less than satisfactory will receive 80%. Missing homeworks will receive 0%. These assessments are at the discretion of the grader. Late homeworks will not receive more than 80%.

**Exams:** Exams are closed book. No make-up exams will be allowed. If a valid excuse for missing an exam is provided, the unmissed exams will be reweighted to account for a total of 75% of the grade.

**Academic Integrity:** Academic misconduct, such as cheating on exams, will not be tolerated. Please see the NCSU policy at the link below.