Instructor and Teaching Assistant

- **Instructor:** Ashoke Kumar Sinha
  
  **Office:** C443 Wells Hall,  **Phone:** (517)-432-2354,  **Email:** aksinha@stt.msu.edu
  
  **Office Hour:** Tuesdays and Thursdays 2:00–4:00 p.m. or by appointment.

**Lectures schedule:**  
Mondays and Wednesdays 10:20 – 11:40 a.m. in A232 Wells Hall.

**Help Room:** A102 Wells Hall. See Help Room schedule posted on: http://www.stt.msu.edu/Academics/.

**Course Web Page:** http://loncapa.msu.edu/ (for registered students only)

**Course Information:** This is a second course in statistics covering topics in design of experiments, multiple regression, non-parametric methods, and categorical data methods. The goal is introduction, implementation, practice, and recognition and synthesis of a wide range of useful statistical methodologies.

**Recommended Background:** STT 421. Students should have had a first course in statistics and be familiar with normal and $t$-distributions, use of $p$-values, and confidence intervals and tests in one-sample problems, and some basic probability concepts.


**Topics to be covered:** We shall cover chapters 1.1, 2.1-2.4, 7.1-7.2, 8.1, 9, 10, 11, 12, 13, 14.1-14.2, 15 from the textbook (chapters 14 and 15 are on the CD that comes with the textbook). Softwares such as Minitab (and occasionally R and Excel) will be used for data analysis.

**Attendance:** You are expected to attend all meetings of the class. If you miss a class for whatever reason, you are responsible for all covering materials, assignments and deadlines.

**Grading:** Points are earned through:

- Homework: 20%
- Exam 1: 25%
- Exam 2: 25%
- Final exam: 30%

Your grades will be determined by the following grading scale:

- **4.0:** 90% ≤ Score ≤ 100%
- **3.5:** 83% ≤ Score < 90%
- **3.0:** 76% ≤ Score < 83%
- **2.5:** 70% ≤ Score < 76%
- **2.0:** 63% ≤ Score < 70%
- **1.5:** 56% ≤ Score < 63%
- **1.0:** 50% ≤ Score < 56%
- **0:** 0% ≤ Score < 50%

**Homework:** There will be several homework problems to turn in. The homework will be collected at the start of the lecture on the submission deadline date (to be announced when the homework are assigned). Unexcused late homework (turned in up to one class date late) is given only 60% credit. Later homework is given no credit. There is no make-up for homework.
Exams: There will be 2 in-class exams during the term, and the final exam. In-class Exams are open book and open notes. Use of calculator is allowed, however no cell phones or computers are allowed. If you cannot take an exam, contact the instructor as soon as possible to make other arrangements (to be considered only in case of verifiable excuses). Make-ups cannot be given after the exams have been returned.

<table>
<thead>
<tr>
<th>Examination Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Exam</strong></td>
</tr>
<tr>
<td>Exam 1:</td>
</tr>
<tr>
<td>Exam 2:</td>
</tr>
<tr>
<td>Final:</td>
</tr>
</tbody>
</table>

All the exams will take place in the lecture room (A232 Wells Hall).

Academic Honesty: The Department of Statistics and Probability adheres to the policies of academic honesty as specified in the General Student Regulations 1.0, Protection of Scholarships and Grades, and in the All-University of Integrity of Scholarships and Grades which are included in Spartan Life: Student Handbook and Resource Guide. Plagiarism or any other sort of fraudulent behavior in exam and/or homework assignment will result in an automatic zero in that exam and/or homework assignment.

ADA: To arrange for accommodation, a student with special need should contact the Resource Center for People with Disabilities [Phone: 353-9642, Web Site: http://www.rcpd.msu.edu].

Disclaimer: The instructor reserves the right to make any changes he considers academically advisable. Changes will be announced in class and on the course web page. It is students’ responsibility to keep up with any changed policies and assignments.

Important Dates

- January 6  Classes Begin; late enrollment fee begins
- January 10 Close of add period
- January 20 Martin Luther King Day (No classes)
- January 31 Last Day for 100% Refund
- February 26 Middle of Semester; last day to drop with no grade
- March 3-7 Spring Break
- April 23 Last Day of Classes
- April 30 Final exam (10:00 a.m. - 12:00 noon)