STT 421: Statistics I  
Spring 2014

Time/Place: MWF 9:10am - 10:00am A232 WH
Instructor: Liang Zhang, C409 Wells Hall, (517)353-3899
Email: lzhang81@stt.msu.edu
Website: Please go to https://www.stt.msu.edu/Academics/ClassPages/ and check under STT 421 for all course information.
Office Hours: MWF 1:00pm-2:30pm & by appointment
Textbook:  
Introduction to the Practice of Statistics, 6th edition, by Moore, McCabe and Craig

Prerequisites:
MTH 103 or MTH 110 or MTH 116.

Help Room:
You can get help with course material by going to Statistics Help Room C 100 Wells Hall. The help room hours can be found at the website:
http://www.stt.msu.edu/courseinfo/helproom.asp

Grading:
Final grades will be based on two midterms scoring 30%, final exam 30%, best five of six quizzes 20%, and best five of six homework assignments 20%.

Midterms:
There will be two in-class midterm exams on Friday February 14 and Friday March 28.

Final Exam:
The final exam will be on Thursday May 1, from 7:45am—9:45am. The final exam is comprehensive.

Quizzes:
There will be six 15-minute in-class quizzes during the semester. The lowest score will be dropped. The quizzes will be given on the following Fridays:

January 17, January 31, February 28, March 21, April 11, April 25

Homework:
Homework will be assigned after each lecture and will be collected each Wednesday. Throughout the semester six collections of the homework assignments will be graded. The homework to be graded will be announced later.

Extra credit (5%):
There will be an extra credit assignment worth 5%. The problems are more challenging than the regular homework. Alternatively, you can choose to present a project you participate in which statistics is intensively used. The assignment and the details about the presentation will be announced later.
Grading Scale:

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<thead>
<tr>
<th>Percentage</th>
<th>Grade</th>
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<tbody>
<tr>
<td>90-100</td>
<td>4.0</td>
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<tr>
<td>85-89</td>
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<td>80-84</td>
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<td>75-79</td>
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<td>70-74</td>
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<td>60-69</td>
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<td>50-59</td>
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<tr>
<td>50</td>
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Course Description:
This is the first course in a two-course sequence (with STT422) in introductory probability and statistical inferences for students without calculus. We will discuss descriptive statistics, basic probability theory, sampling distribution, interval estimations, hypotheses testing, and linear regression. The materials are selected from the textbook chapter 1 to 10.

Important Dates:
- January 6 First day of classes
- January 20 Martin Luther King Day – No class
- January 31 End of tuition refund
- February 26 Middle of semester
- March 3—7 Spring break
- April 25 Last day of classes

Policies:
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 scholarship and Grades which are included in Spartan Life: Student Handbook and Resource Guide. Students who plagiarize will receive a grade 0.0 on the homework, exam or quiz.

ADA: To arrange for accommodation a student should contact the Resource Center for People with Disabilities at [http://www.rcpd.msu.edu/](http://www.rcpd.msu.edu/) or (517)353-9642

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 site. It is students’ responsibility to keep up with any changed policies and assignments.