Instructor: Aylin ALIN  
**e-mail: alina@stt.msu.edu**  
**Office: C 419 Wells Hall (WH)**  
**Office Hours**: M W 14:00-15:30 PM and by appointment

**Lecture Times:** M W F 09:10 – 10:00 AM  
**Lecture Room:** 1279 AN Hall

**Recitation Instructor/s:** Shawn SANTO  
**e-mail:** santosha@stt.msu.edu  
**Office:** C 512 Wells Hall (WH)  
**Office Hours:** Thursday 09:30 - 11:00 AM  
Friday 01:30 - 03:00 PM  
Other times by appointment

**Recitation Times and Rooms:**  
Section 17 Tues 09:10-10:00 AM A120 WH  
Section 18 Tues 03:00-03:50 PM A126 WH  
Section 19 Tues 12:40-01:30 PM A136 WH  
Section 20 Tues 01:50-02:40 PM A122 WH

**Prerequisite:** MAT 103 or designated score on mathematics placement test

**Text Book:** De Veaux, Vellman and Bock, Intro Stats, 3rd Ed., Pearson *(Required)*

All the materials including the homework assignments will be posted on the class web page.

**Course Objective:**
- Statistics is a discipline that supports research and development; its methods help scientists, doctors, engineers, attorneys, educators, communicators, and almost all researchers and decision-makers be effective in gathering information, presenting it and using it intelligently. In fact, persons in all walks of life use data and information in daily living and decision-making. We are awash in information; it is essential that we learn to deal with it effectively. This course will show students how the science of probability and statistics gives guidance for both their daily life and in their chosen profession.
- At the end of this course students are expected to master the following components: distinguish types of data, gather data correctly, display data correctly, calculate the measures which are used for describing data, describe the probability rules, calculate the probabilities, calculate the expected value and the variance of random variables, make statistical inference about proportions, make statistical inference about means, build a simple linear regression model, compare the counts.

**Important Dates:**
- Classes begin Monday, 1/12
- Martin Luther King Day (University open, classes cancelled) Monday, 1/19
- Online Open Add Periods Ends at 8 p.m. Friday, 1/16
- End of %100 Refund Friday, 2/6
- Middle of Semester; Deadline to drop with no grade Wednesday, 3/4
- Spring Break Monday, 3/9-Friday, 3/13
- Classes End Friday, 5/1
• 6 homeworks will be assigned during semester each with 20 points. The lowest score will be dropped. Then, sum of the remaining 5 HWs will be your HW grade.
• There will be 6 quizzes each with 20 points. The lowest score will be dropped. Sum of the remaining 5 quizzes will be your quiz grade.
• There will be two in-class midterm exams each with 50 points. Sum of these exams will be your Midterm exam grade.
• The final exam will cover all the material from the beginning. It will worth 100 points.
• The exams and quizzes will be based on the text material, classroom examples and homework assignments.
• Students will have a chance of winning extra points by solving questions assigned in class. The total extra credit will be added to the total grade without taking any percentages.
• Your final grade will be calculated as below:
  Midterm*0.25 + Homework*0.20 + Quiz*0.25 + Final*0.30 + Total extra credit
• The maximum possible grade will be 100.
• Below is the grading scale in terms of 4 point scale:

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<thead>
<tr>
<th>Grade</th>
<th>90-100</th>
<th>80-89</th>
<th>70-79</th>
<th>60-69</th>
<th>50-59</th>
<th>40-49</th>
<th>30-39</th>
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<tbody>
<tr>
<td>Points</td>
<td>4.0</td>
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<td>1.5</td>
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**Dates for the Homeworks, Quizzes, Midterm and Final Exams:**

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<tr>
<th>EXAM DATES</th>
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<tbody>
<tr>
<td>EXAM1</td>
<td>EXAM2</td>
<td>FINAL EXAM</td>
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<td>Friday</td>
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<td>February 20</td>
<td>April 10</td>
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<td>9:10-10:00 a.m</td>
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<td>QUIZ6</td>
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<td>January 27</td>
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<td>March 10</td>
<td>March 24</td>
<td>April 7</td>
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<tr>
<th>TENTATIVE HOMEWORK DUE DATES</th>
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• The quizzes will be given in the second half of recitation.
• The Homework’s will be handed in at recitation.
Course Policies and Rules:

- This course is demanding and requires a great deal of work. Students are responsible for all material covered in class. Students are expected to attend each class period and to bring their textbook. Attendance will be taken at each class.
- Please feel free to ask any question during lecture hours as they occur to you. Use the office hours to get help as needed.
- It is not possible for me to reply the e-mails of the students. So, do not send an e-mail except for requesting an appointment.
- No opportunities to improve a grade will be offered after the end of the course, which is the final examination. Additionally, no opportunities to improve a grade will be offered besides those specified in this syllabus, unless offered by me to all students. Students should stay up to date on calculating their grades and adjust study during the semester to earn the grade they seek.
- The course is not curved so all students can earn a 4.0.
- All concerns regarding questions on examinations and tests must be discussed with me within 5 working days of when the results are returned; during the office hours is the preferred venue. After that, the examination/test is considered closed.
- Late homework will not be accepted.
- There will not be any make-up exam for final.
- For midterms, do not request make-up exams unless it is absolutely necessary and you can substantiate your reason for the request. In this case, please notify me prior to the test date. If you do not make prior arrangements with me you will not be permitted to take the examination and your score will be recorded as a zero.

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 (or visit the Spartan Life website http://www.vps.msu.edu/SpLife/). Students who plagiarize will receive a grade 0.0 on the homework, exam or quiz.

Disclaimer: The instructor reserves the right to make any changes she considers academically advisable. Changes will be announced in class. It is student's responsibility to keep up with any changed policies.