

## SYLLABUS

STT 430  
Introduction to Probability and Statistics  
A126 Wells Hall  
MW 3:00–4:20 PM  
Spring Semester 2016

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**Text:** Devore, J. (2011) *Probability and Statistics for Engineering and the Sciences*, 8th ed., Thompson Brooks/Cole, Belmont CA, ISBN 9781305748927 (MSU Custom Edition).

| <b>Week of:</b> | <b>Material Covered:</b> |
|-----------------|--------------------------|
| Jan 11          | 1.2, 1.3, 1.4            |
| 18              | MLK Day (no class), 2.2  |
| 25              | 2.3, 2.4, 2.5            |
| Feb 01          | 3.2, 3.3, 3.4            |
| 08              | Review, Exam 1           |
| 15              | 3.5, 3.6, 4.1            |
| 22              | 4.2, 4.3, 4.4            |
| 29              | 4.5, 4.6, 5.4            |
| Mar 07          | Spring Break             |
| 14              | Review, Exam 2           |
| 21              | 7.1, 7.2, 7.3            |
| 28              | 8.1, 8.2, 8.3            |
| Apr 04          | 8.4, 9.1, 9.2            |
| 11              | 9.3, 9.4, 12.1           |
| 18              | Review, Exam 3           |
| 25              | 12.2, 12.3, 12.5         |

**Final Exam:** 3:00–5:00 PM Wednesday 04 May 2016

## GRADING POLICY

Homework is listed on the back of this sheet. The homework for each week will be collected the following Monday. Homework counts for half of the course grade. All exam questions will be taken directly from the homework. Hour exams count for 100 points each, and are on Wednesdays as noted on the syllabus. The final exam is cumulative and counts for 200 points. Students who miss an exam or fail to turn in graded homework for a valid reason will be allowed to drop that score. No late homework will be accepted, and no make-up exams will be given for any reason. Grading is based on homework and exam scores according to the following scale.

| <b>Grade</b> | <b>Minimum Score</b> |
|--------------|----------------------|
| 4.0          | 90%                  |
| 3.5          | 83%                  |
| 3.0          | 76%                  |
| 2.5          | 70%                  |
| 2.0          | 63%                  |
| 1.5          | 56%                  |
| 1.0          | 50%                  |

## HOMEWORK ASSIGNMENTS

- 1.2# 11, 17, 25, 20\*(MINITAB)
- 1.3# 33–41 odd, 36\*(MINITAB)
- 1.4# 45–53 odd, 56\*(MINITAB)
- 2.2# 11–23 odd, 22\*
- 2.3# 31–39 odd, 38\*
- 2.4# 47, 49, 51, 53, 59, 61, 62\*
- 2.5# 71, 75, 77, 79, 78\*
- 3.2# 13–23 odd, 16\*
- 3.3# 29–39 odd, 32\*
- 3.4# 47–61 odd, 50\*(MINITAB)
- 3.5# 69–77 odd, 70\*
- 3.6# 79–91 odd, 86\*(MINITAB)
- 4.1# 1–9 odd, 8\*
- 4.2# 11–23 odd, 20\*
- 4.3# 29–43 odd, 34\*(MINITAB)
- 4.4# 59–63 odd, 60\*(by hand)
- 4.5# 73, 77, 79, 81, 72\*(MINITAB)
- 4.6# 87–95 odd, 88\*(MINITAB)
- 5.4# 47–55 odd, 50\*
- 7.1# 1–7 odd, 4\*
- 7.2# 13–17 odd, 14\*
- 7.3# 29, 32, 34a, 35a, 36a, 37a, 33\*(MINITAB)
- 8.1# 1, 3, 5, 7, 9abc, 6\*
- 8.2# 19a, 21, 23, 25a, 29a, 34a\*(MINITAB)
- 8.3# 37ab, 39, 41, 43a, 38a\*(MINITAB)
- 8.4# 47, 49, 51, 53, 55, 58\*(MINITAB)
- 9.1# 3, 5ab, 7, 9, 11, 8\*
- 9.2# 19, 21, 25, 27, 29, 23\*(MINITAB)
- 9.3# 37a, 39, 41, 40\*(MINITAB)
- 9.4# 49, 51, 53a, 50a\*(MINITAB)
- 12.1# 1, 3, 7, 9, 8\*
- 12.2# 13–21 odd, 16\*(MINITAB)
- 12.3# 31–35 odd, 38a\*(MINITAB)
- 12.5# 59, 63, 65, 58\*(MINITAB)