# IEE 380 Probability and Statistics for Engineers Fall 2015 Schedule

**Wiley Plus contains the textbook for this course. Go to Read, Study and Practice tab in Wiley Plus to find the text reading assignments.**

Lecture material may be off by +/- one day at any given time

**The final exam for this course is Thursday December 10 from 2:30 pm – 4:20 pm. DO NOT make arrangements to leave town before the final exam.**

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| Date | **Class Agenda** | **Do What I Say and Get an A….or at least a B**  **Complete items in this column before class meets that day. And it goes without saying (I hope):**  **GO TO CLASS EVERY TIME, ON TIME.** |
| **Lecture 1**  **Th 8/20** | Introduction to class and instructor  Chapter 1: Introduction | Don’t miss this class. We start with Exam 1 material TODAY.  It’s not a “syllabus day”. |
| **Lecture 2**  **T 8/25** | Chapter 2: Data Summary and Presentation | **Print out the slides for Ch. 1 and Ch. 2 and take notes on them during class**  Read material at <http://provost.asu.edu/academicintegrity/policy/StudentObligations>  Read the syllabus  Read Ch. 1 and Ch. 2 (2-1 and 2-3)  GO TO CLASS ON TIME EVERY TIME |
| **W 8/26** |  | **Ch1Part1 homework due before 11:45 pm** |
| **Lecture 3**  **Th 8/27** | Chapter 3: Probability | **Print out the slides for Ch. 3 and take notes on them during class**  Review and rewrite notes and slides from previous lecture  Read Ch. 3 (3-3 and 3-7)  GO TO CLASS ON TIME EVERY TIME |
| **Sat 8/29** |  | **Ch1Part2 homework due before 11:45 pm** |
| **Lecture 4**  **T 9/1** | Chapter 3: Probability | Review and rewrite notes and slides from previous lecture  GO TO CLASS ON TIME EVERY TIME |
| **W 9/2** |  | **Ch2Part1 homework due before 11:45 pm** |
| **Lecture 5**  **Th 9/3** | Chapter 3: Probability | Review and rewrite notes and slides from previous lecture  Read Ch. 3 (3-9.1 and 3-8)  GO TO CLASS ON TIME EVERY TIME |
| **Sat 9/5** |  | **Ch2Part2 homework due before 11:45 pm** |
| **Lecture 6**  **T 9/8** | Chapter 3: Probability | Review and rewrite notes and slides from previous lecture  Read Ch. 3 (3-9.2)  GO TO CLASS ON TIME, EVERY TIME. |
| **W 9/9** |  | **Ch3Part1 homework due before 11:45 pm** |
| **Lecture 7**  **Th 9/10** | Chapter 3: Probability | Review and rewrite notes and slides from previous lecture  Read Ch. 3 (3-4 and 3-5)  GO TO CLASS ON TIME EVERY TIME |
| **Sat 9/12** |  | **Ch3Part2 homework due before 11:45 pm** |
| **Lecture 8**  **T 9/15** | Chapter 3: Probability | Review and rewrite notes and slides from previous lecture  Read Ch. 3 (3-13)  GO TO CLASS ON TIME EVERY TIME  **Begin studying for Exam 1:**   * **Re-read Ch. 1 and Ch. 2 and notes taken on those slides** * **Re-do ½ the problems from Ch. 1 and Ch. 2 THAT YOU DIDN’T GET RIGHT ON THE FIRST TRY** |
| **W 9/16** |  | **Ch3Part3 homework due before 11:45 pm** |
| **Lecture 9**  **Th 9/17** | Chapter 3: Probability | **Print out the slides for Ch. 4 and take notes on them during class**  GO TO CLASS ON TIME EVERY TIME  **More studying for Exam 1**   * **Re-read Ch. 3 and notes taken on those slides** * **Re-do the rest of the problems from Ch. 1 and Ch. 2 THAT YOU DIDN’T GET RIGHT ON THE FIRST TRY** * **Re-do the problems from Ch. 3 Parts 1 – 3 THAT YOU DIDN’T GET RIGHT ON THE FIRST TRY** * **Create your exam note sheets. Organize by chapter and discrete or continuous applications** |
| **Sat 9/19** |  | **Ch3Part4 HW due before 11:45 pm** |
| **Lecture 10**  **T 9/22** | **EXAM 1** | **Read the announcement and email detailing the procedures and requirements for EXAM 1.** |
| **Lecture 11**  **Th 9/24** | Chapter 4: Decision Making with a Single Sample | Read Ch. 4 (4-1, 4-2, 4-3)  GO TO CLASS ON TIME EVERY TIME |
| **Lecture 12**  **T 9/29** | Chapter 4: Decision Making with a Single Sample | Review and rewrite notes and slides from previous lecture  GO TO CLASS ON TIME EVERY TIME |
| **Lecture 13**  **Th 10/1** | Chapter 4: Decision Making with a Single Sample | Review and rewrite notes and slides from previous lecture  Read Ch. 4 (4-4)  GO TO CLASS ON TIME EVERY TIME |
| **Sat 10/3** |  | **Ch4Part1 homework due before 11:45 pm**  **Honors College assignment due (only for students in the honors college doing an honors contract with me)** |
| **Lecture 14**  **T 10/6** | Chapter 4: Decision Making with a Single Sample | Review and rewrite notes and slides from previous lecture  Read Ch. 4 (4-5)  GO TO CLASS ON TIME EVERY TIME |
| **W 10/7** |  | **Ch4Part2 homework due before 11:45 pm** |
| **Lecture 15**  **Th 10/8** | Chapter 4: Decision Making with a Single Sample | Review and rewrite notes and slides from previous lecture  Read Ch. 4 (4-6)  GO TO CLASS ON TIME EVERY TIME |
| **W 10/14** |  | **Ch4Part3 homework due before 11:45 pm** |
| **Lecture 16**  **Th 10/15** | Chapter 4: Decision Making with a Single Sample | Review and rewrite notes and slides from previous lecture  Read Ch. 4 (4-7)  GO TO CLASS ON TIME EVERY TIME |
| **Lecture 17**  **T 10/20** | Chapter 5: Decision Making for Two Samples | **Print out the slides for Ch. 5 and take notes on them during class**  Review and rewrite notes and slides from previous lecture  Read Ch. 5 (5-1, 5-2.1, 5-2.3)  GO TO CLASS ON TIME, EVERY TIME |
| **W 10/21** |  | **Ch4Part4 homework due before 11:45 pm** |
| **Lecture 18**  **Th 10/22** | Chapter 5: Decision Making for Two Samples | Review and rewrite notes and slides from previous lecture  Read Ch. 5 (5-3.1, 5-3.2, 5-4)  GO TO CLASS ON TIME EVERY TIME |
| **Sat 10/24** |  | **Ch5Part1 homework due before 11:45 pm** |
| **Lecture 19**  **T 10/27** | Chapter 5: Decision Making for Two Samples | Review and rewrite notes and slides from previous lecture  Read Ch. Ch. 5 (5-5, 5-6)  GO TO CLASS ON TIME EVERY TIME |
| **W 10/28** |  | **Ch5Part2 homework due before 11:45 pm** |
| **Lecture 20**  **Th 10/29** | Chapter 5: Decision Making for Two Samples | Review and rewrite notes and slides from previous lecture  Read Ch. 5 (5-8)  GO TO CLASS ON TIME EVERY TIME  **Begin studying for Exam 2:**   * **Re-read Ch. 4 and notes taken on those slides** * **Re-do 1/2 of the problems from Ch. 4 THAT YOU DIDN’T GET RIGHT ON THE FIRST TRY** |
| **Lecture 21**  **T 11/3** | Chapter 5: Decision Making for Two Samples | Review and rewrite notes and slides from previous lecture  GO TO CLASS ON TIME EVERY TIME  **More studying for Exam 2:**   * **Re-do the rest of the problems from Ch. 4 THAT YOU DIDN’T GET RIGHT ON THE FIRST TRY** * **Review the Ch. 5 notes on the slides that you have taken so far** * **Re-do ½ the problems from Ch. 5 Parts 1 – 2 THAT YOU DIDN’T GET RIGHT ON THE FIRST TRY** |
| **W 11/4** |  | **Ch5Part3 homework due before 11:45 pm** |
| **Lecture 22**  **Th 11/5** | Chapter 5: Decision Making for Two Samples  Team Project Details | Review and rewrite notes and slides from previous lecture  GO TO CLASS ON TIME EVERY TIME  **More studying for Exam 2:**   * **Review your Ch. 4 and notes taken on those slides** * **Review your Ch. 5 notes on the slides that you have taken so far** * **Re-do the problems from Ch. 5 Part 3 THAT YOU DIDN’T GET RIGHT ON THE FIRST TRY** * **Create your exam note sheets. Organize by chapter and case.** |
| **Sat 11/7** |  | **Ch5Part4 homework due before 11:45 pm** |
| **Lecture 23**  **T 11/10** | **EXAM 2** | **Read the announcement and email detailing the procedures and requirements for EXAM 2.** |
| **Lecture 24**  **Th 11/12** | Chapter 6: Building Empirical Models, Multiple Linear Regression | **Print out the slides for Ch. 6 and take notes on them during class**  Read Ch. 6 (6-1, 6-2, 6-3)  GO TO CLASS ON TIME, EVERY TIME |
| **Sat 11/14** |  | **Ch6Part1 homework due before 11:45 pm** |
| **Lecture 25**  **T 11/17** | Chapter 6: Building Empirical Models, Multiple Linear Regression | Review and rewrite notes and slides from previous lecture  GO TO CLASS ON TIME, EVERY TIME |
| **W 11/18** |  | **Ch6Part2 homework due before 11:45 pm** |
| **Lecture 26**  **Th 11/19** | Chapter 7: Design of Experiments | **Print out the slides for Ch. 7 and take notes on them during class**  Review and rewrite notes and slides from previous lecture  Read Ch. 7 (7-1, 7-2, 7-3)  GO TO CLASS ON TIME, EVERY TIME |
| **Sat 11/21** |  | **Ch7Part 1 due before 11:45 pm** |
| **Lecture 27**  **T 11/24** | Chapter 7: Design of Experiments  **TEAM PROJECT DUE. EACH TEAM MEMBER MUST UPLOAD A COPY OF THEIR TEAM MEMO BEFORE 11:45 pm.** | Review and rewrite notes and slides from previous lecture  GO TO CLASS ON TIME, EVERY TIME  **TEAM PROJECT DUE. EACH TEAM MEMBER MUST UPLOAD A COPY OF THEIR TEAM MEMO BEFORE 11:45 pm.** |
| **M 11/30** |  | **Ch7Part2 due before 11:45 pm** |
| **Lecture 28**  **T 12/1** | Chapter 8: Statistical Process Control | **Print out the slides for Ch. 8 and take notes on them during class**  Review notes and slides from previous lecture  Read Ch. 8 (8-1, 8-2, 8-3)  GO TO CLASS ON TIME, EVERY TIME  **Begin studying for Final Exam**   * **Review notes you have taken on slides for Ch. 1, 2, 3 and review text chapters** * **Choose 2-5 problems from Ch. 1, 2, 3 and do them again. Focus on ones you missed the first time.** |
| **W 12/2** |  | **Ch8Part1 homework due before 11:45 pm**  **Continue studying for Final Exam**   * **Review notes you have taken on slides for Ch. 4 and 5 and review text chapters** * **Choose 5-10 problems from Ch. 4 and 5 and do them again. Focus on ones you missed the first time.** |
| **Lecture 29**  **Th 12/3** | Chapter 8: Statistical Process Control | Review and rewrite notes from previous lecture  GO TO CLASS ON TIME, EVERY TIME  **Continue studying for Final Exam**   * **Review notes you have taken on slides for Ch. 6 and 7 and review text chapters** * **Choose 5-10 problems from Ch. 6 and 7 and do them again. Focus on ones you missed the first time.** |
| **Sat 12/5** |  | **Ch8Part2 homework due before 11:45 pm** |
| **Sun 12/6 – W 12/9** | **STUDY FOR FINAL EXAM** | **Continue studying for Final Exam**   * **Review notes you have taken on slides for Ch. 1 – Ch. 8 and review text chapters** * **Choose 5-10 problems from all Chapters and do them again. Focus on ones you missed the first time.** * **Create your exam note sheets. Organize by chapter and case.** |
| **M 12/7** | **TEAM PROJECT DUE** | **TEAM PROJECT DUE** |
| **Th 12/10** | **FINAL EXAM (this room)**  **from 2:30 pm – 4:20 pm** | **Read the announcement and email detailing the procedures and requirements for the FINAL EXAM.** |