Instructor: Jeremy Troisi (email: jtroisi@purdue.edu)
Office Hours: T 3-4 PM, R 10:30-11:30 AM, and by appointment, in HAAS 275
Time: MF 4:30-5:20pm (Lecture), W 4:30-5:20pm (Lab)
Location: UNIV 019 (Lecture), HAMP 3144 (Lab)
Prerequisites: MA 161/162 (Differential and Integral Calculus)

**VERY IMPORTANT DATES** (Please mark your calendar)
Exam 1 6:30 PM - 7:30 PM Tuesday March 3, 2015
Exam 2 6:30 PM - 7:30 PM Tuesday April 14, 2015

Lectures:
- To ensure all students have positive learning experiences, disruptive behavior in class will not be tolerated. Students who are disruptive will receive punitive points up to 10% of the course grade and will be referred to the Office of Dean of Students.

Textbook: *Introduction to the Practice of Statistics (8th edition)*
Authors: Moore, McCabe, Craig,
ISBN:
1-4641-9065-8 (StatsPortal only, e-textbook included --- REQUIRED)
1-4641-9727-X (StatsPortal w. Loose Leaves Textbook -- Optional)
1-4641-9726-1 (StatsPortal w. Hardcover Textbook-- Optional)

StatsPortal: ([http://courses.bfwpub.com/ips8e.php](http://courses.bfwpub.com/ips8e.php))
Weekly homework assignments are posted here.
First, decide if you need Portal Access only (e-textbook included) or a textbook PLUS Portal Access. Follow the steps below to sign up for the course:
1. Go to [http://courses.bfwpub.com/ips8e.php](http://courses.bfwpub.com/ips8e.php)
2. If you only need Portal Access without a hard copy of the textbook, you can purchase access on the website by clicking on the “PURCHASE”.
3. If you have purchased your access code from the bookstore, click on the link “REGISTER AN ACTIVATION CODE.”
4. You will be prompted to following the on-screen instructions to find your course. You will start by selecting the school’s state/province, the school name, then the instructor, course, and/or section. Please use your Purdue e-mail, this will make interfacing with Blackboard Learn seamless.
5. You will enter the activation code that came with your textbook or purchased directly from the StatsPortal. You will be asked to enter your e-mail address, choose a password and you are ready to go.

The tech support phone number (1-800-936-6899) is always on the home page of StatsPortal. They are open late and the wait times are VERY short. Phone calls will get them a quicker response than emails. I will be notified of tech support incidents, especially those related to grades/assignments – so if you report a problem to tech support it’ll get to me.

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Blackboard: (http://mycourses.purdue.edu)
All announcements will be posted here, and an e-mail of each announcement will be sent to your Purdue account. It is your responsibility to read your e-mails regarding any changes and updates on course schedule or homework/lab/project deadlines.

Your grades will be posted here as well. It is your responsibility to make sure the grades recorded on Blackboard are correct. All grades in Blackboard (other than the final exam) are final before the final exam. You must inform your instructor electronically of any mistakes in a timely manner.

All lab reports and project reports are submitted here.

Discussion Groups: (https://piazza.com/purdue/spring2015/stat350ssellke/home)

We will use Piazza (a free online discussion board) for questions and online discussions. We will carefully and frequently monitor the discussion board. Most questions will be answered within 24 business hours. Course Syllabus, Lecture Slides, Announcements, Exam Review Materials, and other resources will also be posted on piazza.

Please use piazza Q&A for all homework, lab, and general questions. Only e-mail me with private questions.

Grading Policy:
Final course grades are determined by the following weights:

<table>
<thead>
<tr>
<th>Category</th>
<th>Traditional</th>
<th>IMPACT:</th>
<th>Online:</th>
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<tbody>
<tr>
<td>Participation</td>
<td>3%</td>
<td>6%</td>
<td>6%</td>
</tr>
<tr>
<td>Course Evaluation</td>
<td>2%</td>
<td>2%</td>
<td>2%</td>
</tr>
<tr>
<td>Homework</td>
<td>15%</td>
<td>12%</td>
<td>12%</td>
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<tr>
<td>Labs</td>
<td>10%</td>
<td>10%</td>
<td>10%</td>
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<tr>
<td>Group Project</td>
<td>5%</td>
<td>5%</td>
<td>5%</td>
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<tr>
<td>MIDTERM Exams</td>
<td>20% x 2</td>
<td>20% x 2</td>
<td>20% x 2</td>
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<tr>
<td>Final Exam</td>
<td>25%</td>
<td>25%</td>
<td>25%</td>
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<tr>
<td>TOTAL</td>
<td>100%</td>
<td>100%</td>
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The letter-grade cutoffs for this course are approximately:

- >= 90 A-/A/A+/ 80 – 90- B-/B/B+
- 70 – 80- C-/C/C+ 60 – 70- D-/D/D+
- <60 F

I reserve the right to change the grading scheme should unusual circumstances demand.

Course Evaluation (2%):
- During the last two weeks of the semester, you will be provided an opportunity to evaluate this course and your instructor and TAs using an online evaluation.

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Your participation in this evaluation is an integral part of this course. Your feedback is vital to improving education at Purdue University. Furthermore it is part of your course grade (2%).

Labs (10%):
- Labs will be held on Wednesdays for IMPACT students. Lab attendance is required. Absence may result in a zero score on that lab.
- Online students will complete their lab assignments on their own following detailed written instructions.
- All students have choices of using R or SAS, for their lab assignments.
- Lab report should be turned in electronically on Blackboard in ONE file using PDF format. No late work will be accepted. Computer difficulties are not a valid excuse.
- One lowest lab score will be dropped at the end of the semester.

Projects (5%):
- There will be one or two group projects. Each group must consist of 2 - 4 students. Please form your group early in the semester.

Homework (12%):
- Weekly homework assignments are posted on StatsPortal.
- Written Homework assignments are posted on Blackboard.
- One lowest homework score will be dropped at the end of the semester.
- No late work will be accepted. Computer difficulties are not a valid excuse for having late homework.

Exams [two midterm exams (20% each) and one final exam (25%)]:
- The exams will be closed book exams. Final exam is comprehensive.
- Statistical Tables are provided. No formulas will be provided.
- You are permitted to bring one double-sided 8 1/2" x 11" cheat sheet to the two midterm exams and two double-sided 8 1/2" x 11" cheat sheets to the Final Exam. The cheat sheet can be typed or written.
- You need to bring pens, pencils, and calculators. Graphing calculators (e.g. TI-83) are permitted, but not required. A scientific calculator is necessary.

Policy for Make-up Exams:
- The format of the makeup exam may differ from the regular exam. It may include questions requiring the use of statistical software or oral examination.
- You must have a valid reason to request a makeup exam. Valid reasons include absence due to activities required by Purdue University, direct conflict in exams, and/or a death in your family. Work, job interview, minor illness, or travel etc. are not valid excuses.
- If you must miss an exam for non-emergency reasons, please submit a completed Make-up Exam Form with appropriate documentation to your instructor at least one week in advance.

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● If you are missing the exam due to an emergency, you must e-mail your instructor with details of your situation and the information requested on the Make-up Exam Form no later than 9 am the day after the scheduled exam.
● Failure to meet these deadlines may result in a score of 0 points for the exam.
● Dr. L. Findsen will need to approve your documentation (university or doctor’s note, obituary, etc.) before your exam grade will be recorded.
● We make every effort to accommodate student schedules while also protecting the integrity and security of the exam. Usually only one make-up exam time will be scheduled following each regular exam. The make-up exam time will be chosen based on students’ schedules, room and proctor availabilities.

Re-grade Request
● All re-grade requests must be submitted in writing. Verbal requests are not acceptable.
● To request a re-grade for exams, you must submit a re-grade form with your exam within one week from when the exam is returned.
● To request a re-grade for homework assignments, quizzes, and labs etc., submit a re-grade form within one week when the work is returned.

Section Change:
● If you change sections, it is YOUR responsibility to print off your grades from your old Blackboard/StatsPortal site and give them to your new instructor within two weeks of the section change.
● Please observe the deadline for cancel a course assignment without it appearing on record. I reserve the right to NOT sign a student out of the course.

Academic Honesty:
● You are expected to uphold The Honor Code of Purdue University.
● All cheating in the course will be referred to the Office of the Dean of Students.
● Any cheating on exams will result in an “F” in the course.
● Cheating on labs, homework, projects, etc. will result in zero for that assignment, then a letter grade reduction.

In STAT 350, we encourage students to work together. However, there is a difference between good collaboration and academic misconduct. We expect you to read over this list, and you will be held responsible for violating these rules. We are serious about protecting the hard-working students in this course. We want a grade for STAT 350 to have value for everyone. We punish both the student who cheats and the student who allows or enables another student to cheat (even by not keeping an exam covered). Make sure that you are doing everything you can to protect the value of your work on exams, homework, discussion posts, quizzes, and even class participation and studying.

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Good Collaboration:

- Try all of the homework problems yourself, on your own.
- After working on every problem yourself, then get together with a small group of other students who have also worked on every problem themselves.
- Discuss ideas for how to do the more difficult problems.
- Finish the homework problems on your own so that what you turn in truly represents your own understanding of the material.
- Work the review problems individually, and then use the group for discussion.
- If the assignment involves writing a long, worded explanation (like an essay question), you may proofread somebody’s completed written work and allow them to proofread your work. Do this only after you have both completed your own assignments, though.
- Discuss concepts or practice problems in the group.
- Explain concepts or practice problems to each other.
- If you are working on a group quiz, everyone should work all of the problems themselves before getting together to talk through their reasoning and decide on the best final answers. Everyone should be involved in coming up with the final answers.
- Ask a tutor or t.a. for help on a problem related to a homework problem, but do the actual homework problem yourself. The odd-numbered problems in the book have answers in the back, so they’re great for examples.

Academic Misconduct:

- Divide up the problems among a group. (You do #1, I’ll do #2, and he’ll do #3: then we’ll share our work to get the assignment done more quickly.)
- Attend a group work session without having first worked all of the problems yourself.
- Participate in group work in class without coming to class prepared, allowing your partners to do all of the work while you copy answers down, or allowing an unprepared partner to copy your answers.
- Start the problem yourself but then copy somebody else’s solution for the rest of the problem after you got stuck.
- Read someone else’s answers before you have completed your work.
- Have a tutor or TA work though all (or some) of your HW problems for you.
- Share lab work, print off two copies of the output, or two people use the same computer to do a lab.
- Not keeping your exam covered

Learning Outcomes:

1. Statistical Literacy: Students will be able to use basic terms and symbols, construct graphs, and interpret and analyze statistics in the media.
2. Statistical Reasoning: Students will be able to explain statistical processes and fully interpret statistical results.
3. Big Ideas in Statistics: Students will be able to explain foundational concepts in

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statistics such as variability, distributions, models etc., and apply these concepts in statistical process.

4. Statistical Thinking: Students will be able to assess statistical problems, and justify and apply statistical methods used to solve the problem.

5. Statistical Computing: Students will be able to analyze data and interpret results using a statistical software package.

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