Expected Outcomes for Students

To learn to think critically about:
1. basic statistical concepts.
2. integrating the appropriate use and limitations of statistics with each student's faith.
3. statistical information in all disciplines and in the popular culture.
4. composing and testing statistical hypotheses.
5. statistical problem-solving using computer software.
6. statistical situations and choosing appropriate statistical techniques to test hypotheses.
7. evaluating and interpreting statistical results.
8. statistical results communicated in the research literature.

Requirements
Attendance is taken each period but not required beyond the college policy of attending at least half of the classes to receive a passing grade. The registrar will be given a report of anyone missing two weeks of class (four class periods in a row). There will be weekly in class Blackboard Quizzes to assess knowledge of statistical concepts. Skill in using Excel to solve statistical problems will be developed and assessed with Excel homework assignments. Three primary research reviews will encourage application of statistical knowledge to the understanding of empirical research reports. Internet tutorials will provide interactive learning opportunities to learn statistical concepts. Students will benefit from peer tutoring in the required online discussion forums. The final exam will assess knowledge and application of statistical concepts.

Do not make a comment on an assignment or in a Discussion Board that requires a timely response from the professor. For timely communication with the professor, please use the telephone, instant messaging or e-mail (through either Outlook or Blackboard). Technological difficulties (whether personal or campus-wide) will not be accepted as an excuse for not completing an assignment. When contact is made with the professor in a timely way, such difficulties may provide a reason for the professor to extend the deadline for the assignment on a case-by-case basis. No extension should be assumed without the explicit approval of the professor.

Behavioral Expectations
1. Participants will attend regularly and be on time.
2. Assignments will be turned in on time and graded and returned quickly.
3. Participants will actively participate in class and focus on the content of the class.
4. No one will speak or act in class in a way that is disruptive of the learning atmosphere.
including sending or receiving text messages or using lab computers for other than class work. 5. Participants will do all of their own work on all homework, papers and quizzes. Although other students can be reference persons for help with homework, the work you turn in should reflect your own understanding of the assignment and should not be a duplicate of another student’s work.

**The Online Supplement**
From the EagleNet homepage (http://eagle.jbu.edu/index.asp), click on “Login to myEagleNet”. Then click on Blackboard. If you are on campus, you will be automatically logged into Blackboard. If you are off-campus, you will have to login during this process. If you are asked for a User Name or Password, use your JBU network user name and password. When you have logged on to Blackboard, click on the name of the course (Introductory Statistics) and investigate the site by clicking on each of the buttons to the left side of the page.

An online threaded discussion will accompany each homework assignment. These discussions will be posted in the Assignments section of the site. The threaded discussions (peer tutoring boards) are due by midnight the Thursday evening the corresponding Excel assignment is due. You may not make up for missed peer tutoring contributions in a later week. Contact me if you have any questions about using the Blackboard site.

**Office Hours**
My office hours are MWF 9:00 and 1:00 and TT 9:00 and 4:00. If you see me in my office at any other time, please feel free to come in. You are welcome to come by at any time. I enjoy having visitors at my office. You are not an intrusion; you are the reason I am there.

**Policy on Students with Disabilities**
Students with documented disabilities who need academic accommodations should make an appointment with the Director of Student Support Services (238-8770) to begin the accommodation process. They also are encouraged to make an appointment with the instructor as soon as possible. Students without documented disabilities who feel they may have difficulty with this course are also encouraged to make an appointment with the instructor to discuss what steps need to be taken to be successful.

**Statement on Academic Integrity**
As a Christian institution of higher education, John Brown University seeks to maintain the highest standards of academic integrity. Violations of these standards will result in substantial penalties. At a minimum, any instance of cheating or plagiarism will result in a zero for the assignment and a report submitted to the academic dean. Further infractions will result in failure of the course and possible suspension. For additional information and examples, see the Academic Integrity section on pages 4-5 of your Student Handbook.
Statement on Academic Expectations
John Brown University is a selective academic institution that consistently ranks among the top ten southern baccalaureate universities. As a student here, you are expected to devote significant time and effort to your academic courses and to be aware of the effort you will require to perform up to your expectations in this class. This course has been designed with the expectation that students will spend adequate time and effort in preparation for each class meeting by doing assigned readings and assignments and will spend adequate time and effort completing each assignment.

Calculating your grade
Your grade can be determined at any point in the semester by using the following tables.

120 points -- 12 Blackboard Quizzes @ 10 points
120 points -- 12 Excel assignments @ 10 points
75 points -- 3 primary research reviews (3 @ 25 pts)
65 points – Weekly Peer tutoring threaded discussion (13 weeks @ 5 pts)
70 points – Tutorials exercises (14 @ 5 pts)
50 points -- Final Exam
500 points -- TOTAL

The following scale will be used for computing grades:

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<thead>
<tr>
<th>Grade</th>
<th>Percent</th>
<th>Points</th>
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<tbody>
<tr>
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<tr>
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<tr>
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<tr>
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<tr>
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Course Outline

Most Tuesday sessions will demonstrate material in preparation for Thursday labs and the quiz the following Tuesday. Quizzes will consist of conceptual, multiple choice items and will require few computer calculations. Homework assignments will usually involve computer work.

Lecture/Demonstration | Computer Lab
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Aug 27 Intro to Class & Computer C. 1 | Sep 3 Graphing
Sep 1 C. 4 | Sep 10* Measures of Central Tendency
Sep 8** C. 2 | Sep 17* Measures of Variability
Sep 15** C. 3 | Sep 24* Probability and the Normal Curve
Sep 22** C. 8 | Oct 1 NO CLASS
Sep 29 ** C. 5 | Oct 6 * Computing Correlations
Oct 20 FALL BREAK – NO CLASS | Oct 8** C. 7
Oct 27** C. 14 & 15 | Oct 13 * Hypothesis Testing
Oct 29* Correlation & Regression | Oct 15** C.9
Nov 3** C. 16 | Oct 20 * Computing Correlations
Nov 5* Chi Square | Oct 22* Inferential Stats
Nov 10** C. 10 &11 | Oct 29* Correlation & Regression
Nov 17** C. 12 | Nov 5* Chi Square
Nov 19* Simple ANOVA | Nov 24** Inferential Stats Review
Nov 26 THANKSGIVING – NO CLASS | Nov 12* Correlated/Independent t-tests
Dec 1 C. 13 | Nov 19* Simple ANOVA
Dec 3* Factorial ANOVA | Dec 10* Review for final
Dec 8** Review for final | Dec 10* Review for final

Final exam: Wednesday Dec 16, 1:30 pm – 3:30 pm

Final Exam Policy
Students must sit for the final exam at the specified time. The only exceptions are death or serious illness of a member of the student's immediate family, or illness of the student as documented by a medical professional. Any exception to the final exam policy must be approved by Becky Lambert, Associate Dean of Academic Services.

Primary research reviews due:
Correlation | Nov 12
Correlated or Independent Samples t | Dec 3
Simple or Factorial ANOVA | Dec 10

Friday Oct 23 (after midterm grades are reported) is the deadline for dropping a class.

* Homework is due on this day. If you do it early, and you have questions, please ask me.
** Quiz on this day over material covered on the previous Tuesday.