Professor
Dr. Maria Carlson
Maria.Carlson@tamuc.edu
Phone: (903) 886 - 5595
Office: Henderson rm 220
Office Hours:
Tues. 1:00pm - 3:30pm (TAMUC)
Wed. 2:00pm - 4:30 pm (CHEC)
& by appointment.

Textbook
Essentials of Statistics for the Behavioral Sciences, 7th edition, by Frederick J. Gravetter & Larry B. Wallnau
ISBN: 978-0-495-81220-3

Recommended Reading:
ISBN: 978-1-111-35268-4

Questions about Grades
Any questions about a grade for a particular assignment or exam should be brought to the professor’s attention within one week of the grades for that assignment or exam being posted.

Grades
Final course grades are based on:
• 4 exams (40% of your overall grade)
• 12 Quizzes (30% of your overall grade)
• 12 Homework Assignments (30% of your overall grade)

Grades will be calculated as follows:
A: 89.5 - 100%

Psychological Statistics
PSY 302 | Spring 2013

Course Overview
Statistics plays an integral role in interpreting the results of research. You should exit this course knowing how and when to compute descriptive statistics (e.g. mean, variance, z-score, and correlation), and, how and when to compute inferential statistics (e.g. t-tests, ANOVA) to test hypotheses.

Catalog Description of Course
The logic and methods of descriptive and inferential statistics and their relation to experimental design in psychology are studied.

REQUIREMENTS
1) The textbook listed in the margin.
2) A calculator and access to Excel.
3) Access to either the new version of SPSS (called PASW) or an older version of SPSS. One of these is available in Henderson 214 (Psychology department computer lab) and another version is available on library computers (and many academic libraries and computer labs have some version of SPSS). Do keep in mind that many versions of SPSS are not backward-compatible, so you must be very careful when saving/exporting your work. For data files, just save as the default .sav file, which should be accessible in any version of SPSS. However, for output files, the story is different. You must always export these files rather than simply saving them; all output files should be exported as .rtf or .pdf.

HOMEWORK ASSIGNMENTS
There will be twelve homework assignments during the semester. These assignments are designed to increase your understanding of the topics being covered and give you the opportunity to apply course material to real world situations.

QUIZZES
It is helpful for you to review the material presented in this course. To “encourage” that behavior, you will be required to complete 12 online quizzes. These will be due on the days indicated in the schedule of topics listed below.
EXAMS
There will be four exams. *Exams will be cumulative.* On each exam, there will be questions relating to material covered on the previous exam(s). The questions will require not only recognition of concepts and correct answers, but will be designed to test comprehension and application of concepts as well. Material for the exams will be drawn from the text, and the lectures. There will be no make-up exams except as mandated by University policy for University-excused absences, religious holidays and major illnesses. Students should contact the professor prior to the scheduled exam if possible, or within 24 hours of missing the exam due to accident or illness, to schedule a makeup exam.

GENERAL SUGGESTIONS AND CLASS GUIDELINES
This syllabus and course description is provided as a general guideline to assist in your planning. Various circumstances may result in changes to the syllabus or course schedule, and such changes are at the instructor's discretion. A reasonable attempt will be made to communicate such changes to students in advance; however, it is the student's responsibility to keep up with such changes.

Students with Disabilities:

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

Office of Student Disability Resources and Services
Texas A&M University-Commerce
Gee Library
Room 132
Phone (903) 886-5150 or (903) 886-5835
Fax (903) 468-8148
StudentDisabilityServices@tamuc.edu

EMAIL POLICY
If you email me and do not receive an email response within 48 hours, most likely, your email was not received. I will respond to all emails within 48 hours on weekdays.
All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. (See Student’s Guide Handbook, Policies and Procedures, Conduct).

Officially Dropping from the Course
Students are responsible for officially dropping themselves from the course; failure to do so will result in a performance grade of “F”. The last day to officially drop the course to qualify for a grade of Q is March 29th, 2013.
## Psychological Statistics
PSY 302  
Spring 2013  
Dr. Maria Carlson

<table>
<thead>
<tr>
<th>Week</th>
<th>Dates</th>
<th><strong>TUESDAY</strong></th>
<th><strong>THURSDAY</strong></th>
<th><strong>LAB</strong></th>
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</thead>
</table>
| 1    | 1/15 & 1/17 | Introduction and Syllabus    | Chapter 1: Introduction to Statistics  
            | Quiz 1 Due                          | Appendix A: Basic Mathematics Review |
| 2    | 1/22 & 1/24 | Chapter 2: Frequency Distributions | Boxplots  
       | Quiz 2 Due                          | Basics of SPSS and Excel           |
| 3    | 1/29 & 1/31 | NO CLASS                     | Chapter 3: Central Tendency  
       | Quiz 3 Due                          | Creating Graphs using Excel and SPSS  
       |                       | Homework 1 Due                     |
| 4    | 2/5 & 2/7   | Exam Review                  | Exam 1 Due                       | Descriptive Statistics using Excel and SPSS  
       |                       |                                  | Homework 2 Due                     |
| 5    | 2/12 & 2/14 | Chapter 4: Variability       | Chapter 5: Standardized Scores & Distributions  
       |                       |                                  | Standardized Scores  
       |                       |                                  | Homework 3 Due                     |
| 6    | 2/19 & 2/21 | Chapter 6: Probability  
       | Quiz 4 Due                      | Chapter 7: Sampling Distributions  
       |                       |                                  | Probability  
       |                       |                                  | Homework 4 Due                     |
| 7    | 2/26 & 2/28 | Chapter 15: Correlation  
       | Quiz 5 Due                      | Chapter 15: Regression           | Sampling Distributions  
       |                       |                                  | Homework 5 Due                     |
| 8    | 3/5 & 3/7   | Exam 2 Review  
       | Quiz 6 Due                      | Exam 2 Due                       | Correlation, Regression & Scatterplots  
       |                       |                                  | using SPSS  
<pre><code>   |                       |                                  | Homework 6 &amp; 7 Due                  |
</code></pre>
<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Lecture 1</th>
<th>Lecture 2</th>
<th>Lecture 3</th>
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<tbody>
<tr>
<td>9</td>
<td>3/12 &amp; 3/14</td>
<td>NO CLASS: Spring Break</td>
<td>NO CLASS: Spring Break</td>
<td>NO LAB: Spring Break</td>
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<td>10</td>
<td>3/19 &amp; 3/21</td>
<td>Chapter 8: Introduction to Hypothesis Testing</td>
<td>NO CLASS</td>
<td>Testing Hypotheses using SPSS, Homework 8 Due</td>
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<td>11</td>
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<td>Chapter 9: The t Statistic, Quiz 7 Due</td>
<td>Chapter 12: Estimation</td>
<td>One Sample t-test using SPSS, Homework 9 Due</td>
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<td>12</td>
<td>4/2 &amp; 4/4</td>
<td>Chapter 10: Two Independent Samples t Test, Quiz 8 Due</td>
<td>Chapter 11: Two Dependent Samples t, Quiz 9 Due</td>
<td>Comparing Two Independent Groups using SPSS, Homework 10 Due</td>
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<tr>
<td>13</td>
<td>4/9 &amp; 4/11</td>
<td>Exam Review</td>
<td>Exam 3 Due</td>
<td>Comparing Two Dependent Groups using SPSS, Homework 11 Due</td>
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<td>14</td>
<td>4/16 &amp; 4/18</td>
<td>Chapter 13: Analysis of Variance</td>
<td>Chapter 13: Analysis of Variance, Cont., Quiz 10 Due</td>
<td>Comparing More Than Two Groups using SPSS</td>
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<td>15</td>
<td>4/23 &amp; 4/25</td>
<td>Chapter 13: Post Hoc Tests</td>
<td>Chapter 14: Two-Factor ANOVA, Quiz 11 Due</td>
<td>Multiple Comparison Procedures using SPSS, Homework 12 Due</td>
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<td>16</td>
<td>4/30 &amp; 5/2</td>
<td>Chapter 14: Two-Factor ANOVA, Quiz 12 Due</td>
<td>Exam Review</td>
<td>Factorial ANOVA using SPSS</td>
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