



PSY 302.51E and PSY 302.51L Psychological Statistics

COURSE SYLLABUS: FALL 2018

INSTRUCTOR INFORMATION

Instructor: Phoenix M. Carlini, PhD Educational Psychology Student

Office Location: CHEC campus at the Collin Higher Education Center in McKinney, Room TBD

**If you plan to meet with me, please make an appointment ahead of time so that I may prepare before you arrive.*

Office Hours: Mondays from 3:30pm - 4:15pm and 8:30 - 9:30pm (CHEC campus)

Office Phone: 903-886-5595

University Email Address: pcarlini@leomail.tamuc.edu (*preferred*)

phoenix.carlini@tamuc.edu

Preferred Form of Communication: Email

Communication Response Time: 24 - 48 hours, I generally will answer the majority of emails during my office hours if I do not have an appointment.

COURSE INFORMATION

Materials

Textbook Required

Hurlburt, Russell T (2017). *Comprehending behavioral statistics* (Sixth edition). Kendall Hunt Publishing Company, Dubuque, IA.

Wheelan, C. (2013). *Naked statistics: Stripping the dread from the data*. WW Norton & Company.

The syllabus/schedule are subject to change.

Software Required

You must have access to a version of **Microsoft Word** or an application that will allow .rtf files. For you writing assignments, they **MUST** be turned in as a **.doc**, **.docx**, or **.rtf** format. If you have a MacBook or other apple products, do not use pages. I must be able to open the document in Microsoft Word.

Calculator Required

TI-30Xa calculator (sells at Target or Walmart for around \$8-\$10)
No graphing calculators are allowed!

Please purchase one, I do **NOT** allow students to share calculators. I also will not lend out my own calculator.



Course Description

This course will cover the logic and methods of descriptive and inferential statistics and their relation to experimental design in psychology. Statistics plays an integral role in interpreting the results of research. Upon leaving this course, you should know how and when to compute descriptive statistics (e.g., mean, variance, z-score, and correlation). In addition, you should know which inferential statistical tests (e.g. t-tests, ANOVA, etc.) are appropriate to test hypotheses and how to perform these tests.

COURSE REQUIREMENTS

Instructional Methods

This course is a face-to-face course that has been web-enhanced with myLeoOnline. Attendance is required for the course. You will also need to use myLeoOnline on a regular basis to complete assignments and access class announcements. Please see the information below for technical requirements for accessing myLeoOnline.

Student Responsibilities or Tips for Success in the Course

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.

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Students are expected to:

1. Read the assigned material, which includes following the numeric examples closely and writing down questions about anything not entirely clear to you. Reading statistics requires close study and re-reading, not just reading through once as you might an ordinary book.
2. You must complete the readings BEFORE coming to class or the lectures won't make sense.
3. Attend lectures, listen closely, ask questions—being sure to have done the reading first. DON'T fall behind!
4. Study for, take, and review answers for exams.

A Note about Your Grade. Please remember that the grade you receive in this course is the grade that you **EARN**, not a grade that I “give” you. Therefore, **do not** come to me at the end of the semester and ask what extra credit assignments you can do to improve your grade. I am happy to help you improve your study skills, but you need to come ask me for help. Furthermore, it is imperative that you ask for help early in the semester, not at the very end. Please remember that I genuinely want you to do well in this course, but that will require taking my advice on how best to study and learn this material. This course is difficult and will require that you study and prepare somewhat differently than the way you have in most of your other courses.

GRADING

Final grades in this course will be based on the following scale:

Task:	Points
Exam 1	75
Exam 2	75
Exam 3	75
Final Exam	100
Homework Assignments (9)	90
Writing Assignments (3)	60
Lab Attendance	<u>25</u>
Total:	500

A = 88%-100%	440 - 500 points
B = 78%-87.9%	390 - 439 points
C = 68%-77.9%	340 - 389 points
D = 58%-67.9%	290 - 339 points
F = 59% or Below	< 290 points (less than 290)

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Assessments

LAB ATTENDANCE

Each student is expected to attend one lab session per week after lecture. Each session will last for approximately one (1) hour, maybe longer depending on the content. These are scheduled lab and tutorial sessions. These will provide opportunities to work in smaller groups, further discuss difficult concepts, and ask questions. These do NOT represent time set aside for students to complete homework. You should expect to spend additional time studying and working on assignments. Similarly, you are expected to have read relevant sections of the text before coming to lab. Attendance at scheduled lab sessions will be recorded and will be part of your grade in the overall course. Specifically, lab attendance is worth 25 points of your overall grade in the course. Five (5) points will be deducted for each missed lab meeting.

HOMEWORK ASSIGNMENTS (10 points each)

Homework will be distributed during lab meetings and are to be turned in to the lab instructor on the dates specified. These assignments will consist of a mixture of exercises from the textbook and realistic examples and simulations of social science research problems. You will be expected to turn in more than just the answers – show your work! In addition, you will be expected to complete 3 short written assignments worth 20 points a piece, pertaining to information from the assigned supplemental textbook (*Naked Statistics*).

EXAMS (mid-semester exams: 75 points each; Final exam 100 points)

There will be three mid-semester exams and one final exam. **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 instead, 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. Exams without a name automatically get 5 points taken off of the total exam grade. **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 major illness. **(Do NOT skip exam day unless you have a plan set in place and it was approved by me BEFORE the exam day takes place. If you skip exam day and it was not approved ahead of time, you will get a "0" for your exam)**

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Note: Unless specifically approved by me prior to the exam, use of electronic devices (e.g., cell phones, PDAs, iPods, and the like) during the exam is strictly prohibited and will result in your exam being taken from you immediately.

TECHNOLOGY REQUIREMENTS

Browser support

D2L is committed to performing key application testing when new browser versions are released. New and updated functionality is also tested against the latest version of supported browsers. However, due to the frequency of some browser releases, D2L cannot guarantee that each browser version will perform as expected. If you encounter any issues with any of the browser versions listed in the tables below, contact D2L Support, who will determine the best course of action for resolution. Reported issues are prioritized by supported browsers and then maintenance browsers.

Supported browsers are the latest or most recent browser versions that are tested against new versions of D2L products. Customers can report problems and receive support for issues. For an optimal experience, D2L recommends using supported browsers with D2L products.

Maintenance browsers are older browser versions that are not tested extensively against new versions of D2L products. Customers can still report problems and receive support for critical issues; however, D2L does not guarantee all issues will be addressed. A maintenance browser becomes officially unsupported after one year.

Note the following:

- Ensure that your browser has JavaScript and Cookies enabled.
- For desktop systems, you must have Adobe Flash Player 10.1 or greater.
- The Brightspace Support features are now optimized for production environments when using the Google Chrome browser, Apple Safari browser, Microsoft Edge browser, Microsoft Internet Explorer browser, and Mozilla Firefox browsers.

Desktop Support

Browser	Supported Browser Version(s)	Maintenance Browser Version(s)
Microsoft® Edge	Latest	N/A
Microsoft® Internet Explorer®	N/A	11
Mozilla® Firefox®	Latest, ESR	N/A

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Browser	Supported Browser Version(s)	Maintenance Browser Version(s)
Google® Chrome™	Latest	N/A
Apple® Safari®	Latest	N/A

Tablet and Mobile Support

Device	Operating System	Browser	Supported Browser Version(s)
Android™	Android 4.4+	Chrome	Latest
Apple	iOS®	Safari, Chrome	The current major version of iOS (the latest minor or point release of that major version) and the previous major version of iOS (the latest minor or point release of that major version). For example, as of June 7, 2017, D2L supports iOS 10.3.2 and iOS 9.3.5, but not iOS 10.2.1, 9.0.2, or any other version. Chrome: Latest version for the iOS browser.
Windows	Windows 10	Edge, Chrome, Firefox	Latest of all browsers, and Firefox ESR.

- You will need regular access to a computer with a broadband Internet connection. The minimum computer requirements are:
 - 512 MB of RAM, 1 GB or more preferred
 - Broadband connection required courses are heavily video intensive
 - Video display capable of high-color 16-bit display 1024 x 768 or higher resolution
- You must have a:
 - Sound card, which is usually integrated into your desktop or laptop computer
 - Speakers or headphones.

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- *For courses utilizing video-conferencing tools and/or an online proctoring solution, a webcam and microphone are required.
- Both versions of Java (32 bit and 64 bit) must be installed and up to date on your machine. At a minimum Java 7, update 51, is required to support the learning management system. The most current version of Java can be downloaded at: [JAVA web site http://www.java.com/en/download/manual.jsp](http://www.java.com/en/download/manual.jsp)
- Current anti-virus software must be installed and kept up to date.

Running the browser check will ensure your internet browser is supported.

Pop-ups are allowed.

JavaScript is enabled.

Cookies are enabled.

- You will need some additional free software (plug-ins) for enhanced web browsing. Ensure that you download the free versions of the following software:
 - [Adobe Reader https://get.adobe.com/reader/](https://get.adobe.com/reader/)
 - [Adobe Flash Player \(version 17 or later\) https://get.adobe.com/flashplayer/](https://get.adobe.com/flashplayer/)
 - [Adobe Shockwave Player https://get.adobe.com/shockwave/](https://get.adobe.com/shockwave/)
 - [Apple Quick Time http://www.apple.com/quicktime/download/](http://www.apple.com/quicktime/download/)
- At a minimum, you must have Microsoft Office 2013, 2010, 2007 or Open Office. Microsoft Office is the standard office productivity software utilized by faculty, students, and staff. Microsoft Word is the standard word processing software, Microsoft Excel is the standard spreadsheet software, and Microsoft PowerPoint is the standard presentation software. Copying and pasting, along with attaching/uploading documents for assignment submission, will also be required. If you do not have Microsoft Office, you can check with the bookstore to see if they have any student copies.

ACCESS AND NAVIGATION

You will need your campus-wide ID (CWID) and password to log into the course. If you do not know your CWID or have forgotten your password, contact the Center for IT Excellence (CITE) at 903.468.6000 or helpdesk@tamuc.edu.

Note: Personal computer and internet connection problems do not excuse the requirement to complete all course work in a timely and satisfactory manner. Each student needs to have a backup method to deal with these inevitable problems. These methods might include the availability of a backup PC at home or work, the temporary use of a computer at a friend's home, the local library, office service companies, Starbucks, a TAMUC campus open computer lab, etc.

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COMMUNICATION AND SUPPORT

Brightspace Support

Need Help?

Student Support

If you have any questions or are having difficulties with the course material, please contact your Instructor.

Technical Support

If you are having technical difficulty with any part of Brightspace, please contact Brightspace Technical Support at 1-877-325-7778 or click on the **Live Chat** or click on the words “[click here](#)” to submit an issue via email.



System Maintenance

D2L runs monthly updates during the last week of the month, usually on Wednesday. The system should remain up during this time unless otherwise specified in an announcement. You may experience minimal impacts to performance and/or look and feel of the environment.

Interaction with Instructor Statement

EMAIL POLICY

In addition to traditional face-to-face office hours, the instructor is available virtually by email during posted office hours. If you would like to schedule an appointment, the best way is to email. We can then set up a time to chat when it is convenient for you. **During posted office hours, the instructor will return emails upon receipt.** Outside of these times, please allow 24 hours to receive a response on weekdays. If you email me and do not receive an email response within, 48 hours, most likely, your email was not received.

EMAIL GUIDELINES

In an attempt to provide a framework for professional communication, emails must contain the following:

- **Subject Line:** Course (e.g. PSY 301); additional information if desired (e.g. Hypothesis testing)
- **Address the Reader:** Open with Mr. Carlini
- **Adhere to writing mechanics rules:** Do **NOT** email like you text, it is unprofessional and will not help you succeed in the outside world.

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- If asking for assistance with an issue, **please list at least 3 things you have done to try and remediate the issue prior to contacting me** (these should probably include looking at the syllabus/ course rubrics/ eCollege, contacting a colleague, and checking your text, etc.)
- Close with your name
Please send emails from your University accounts, we are not allowed to respond to emails other than those from your leomail accounts. The instructor will not discuss grades over email. If you would like to discuss your grade, please make an appointment during office hours.

COURSE AND UNIVERSITY PROCEDURES/POLICIES

Course Specific Procedures/Policies

ABSENCE AND TARDINESS POLICIES

1. **If you have 4 or more absences**, meaning they were not excused by me, **you will be dropped a letter grade at the end of the semester.** (Example: If your final grade in the class is a C, you will be dropped to a D, in which you would fail the class)
2. **You are considered tardy if I have already finished calling the roll before you come in.** This is not an 8am class, so I expect everyone to be on time. However, if you do come in and I have already called roll, stay after class and let me know you were there so I can count you present to prevent you from being counted absent. **If you are tardy 4 or more times, you will be dropped a letter grade at the end of the semester.**

RESEARCH PARTICIPATION EXTRA CREDIT

For extra credit, you will have the opportunity to complete a maximum of **6** credit hours of research participation. Each credit hour if completed, is worth 5 points added to your cumulative point total. For each unexcused no-show (i.e. you do not show up for a study) you will receive 0 points.

You will be able to sign up for various studies through the SONA system. Instructions on how to do this will be provided in a separate handout. Studies are worth different amounts of credit depending upon how long it takes to complete the study. You may sign up for any combination of studies you wish, but you can only earn points for up to **6 credit hours.**

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A pre-screening questionnaire is required before participating in many of the studies. You may earn .5 credits by completing the pre-screening within the first two weeks of the semester.

The alternative to the research experiment participation will be to complete an original 2-page article summary for each credit hour. Instructions for completing the alternative research assignment can be found in the docsharing on eCollege. If you choose to do the research alternative instead of the research experiments the **article summaries will be due by 11:59pm Friday, April 27th, 2018** and should be turned in to the Dropbox in eCollege. More information about research participation and the alternative article summaries can be found on the eCollege website.

****It does not matter which class or from which lab you received an unexcused "no-show" (In other words, they all count the same)***

Syllabus Change Policy

The syllabus is a guide. Circumstances and events, such as student progress, may make it necessary for the instructor to modify the syllabus during the semester. Any changes made to the syllabus will be announced in advance.

University Specific Procedures

Student Conduct

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. The Code of Student Conduct is described in detail in the [Student Guidebook](http://www.tamuc.edu/Admissions/oneStopShop/undergraduateAdmissions/studentGuidebook.aspx).
<http://www.tamuc.edu/Admissions/oneStopShop/undergraduateAdmissions/studentGuidebook.aspx>

Students should also consult the Rules of Netiquette for more information regarding how to interact with students in an online forum: [Netiquette](http://www.albion.com/netiquette/corerules.html)
<http://www.albion.com/netiquette/corerules.html>

TAMUC Attendance

For more information about the attendance policy please visit the [Attendance](#) webpage and [Procedure 13.99.99.R0.01](#).

<http://www.tamuc.edu/admissions/registrar/generalInformation/attendance.aspx>

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/academic/13.99.99.R0.01.pdf>

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Academic Integrity

Students at Texas A&M University-Commerce are expected to maintain high standards of integrity and honesty in all of their scholastic work. For more details and the definition of academic dishonesty see the following procedures:

[Undergraduate Academic Dishonesty 13.99.99.R0.03](#)

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/undergraduates/13.99.99.R0.03UndergraduateAcademicDishonesty.pdf>

[Graduate Student Academic Dishonesty 13.99.99.R0.10](#)

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/graduate/13.99.99.R0.10GraduateStudentAcademicDishonesty.pdf>

ADA Statement

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 162

Phone (903) 886-5150 or (903) 886-5835

Fax (903) 468-8148

Email: studentdisabilityservices@tamuc.edu

Website: [Office of Student Disability Resources and Services](#)

<http://www.tamuc.edu/campusLife/campusServices/studentDisabilityResourcesAndServices/>

Nondiscrimination Notice

Texas A&M University-Commerce will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation on the basis of race, color, religion, sex, national origin, disability, age, genetic information or veteran status. Further, an environment free from discrimination on the basis of sexual orientation, gender identity, or gender expression will be maintained.

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Campus Concealed Carry Statement

Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in Texas A&M University-Commerce buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and A&M-Commerce Rule 34.06.02.R1, license holders may not carry a concealed handgun in restricted locations.

For a list of locations, please refer to the [Carrying Concealed Handguns On Campus](#) document and/or consult your event organizer.

Web url:

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf>

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all A&M-Commerce campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1.

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COURSE OUTLINE / CALENDAR

Week	Dates	SCHEDULE OF TOPICS AND EXAMS	
		<u>MONDAY LECTURE</u>	<u>MONDAY LAB</u>
1	8/27	Introductions, Syllabus & Preface and Chapter 1: Empiricism, Induction, Probability	Chapter 1 Exercises
2	9/3	NO CLASS: LABOR DAY	NO CLASS: LABOR DAY
3	9/10	Chapter 2: Variables and Their Measurement	Chapter 2 Exercises Homework 1 Due
4	9/17	Chapter 3: Frequency Distributions	Chapter 3 Exercises Homework 2 Due
5	9/24	Chapter 4: Measures of Central Tendency	Chapter 4 Exercises Homework 3 Due
6	10/1	Chapter 5: Measures of Variation	Chapter 5 Exercises Written Assignment 1 Due
7	10/8	Exam 1 & Chapter 6: Using Frequency Distributions	Chapter 6 Exercises
8	10/15	Chapter 7: Samples and the Sampling Distribution of the Means	Chapter 7 Exercises Homework 4 Due
9	10/22	Chapter 8: Parameter Estimation	Chapter 8 Exercises Homework 5 Due
10	10/29	Chapter 9: Evaluating Hypotheses	Chapter 9 Exercises Homework 6 Due

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11	11/5	Chapter 10: Inferences About Means of Single Samples	Chapter 10 Exercises Written Assignment 2 Due
12	11/12	Exam 2 & Chapter 11: Inferences About Means of Two Independent Samples & Chapter 12: Inferences About Means of Two Dependent Samples	Chapter 11 and 12 Exercises
13	11/19	Chapter 14: Inferences About Two or More Means: Analysis of Variance (ANOVA) & Chapter 15: Post Hoc Tests, A Priori Tests, Repeated-Measures ANOVA, and Two-Way ANOVA	Chapter 14 and 15 Exercises Homework 7 Due
14	11/26	Exam 3 & Chapter 16: Measures of the Relationship Between Two Variables: Correlation	Chapter 16 Exercises Homework 8 Due
15	12/3	Chapter 17: Prediction: Linear Regression	Chapter 17 Exercises Homework 9 Due Written Assignment 3 Due

****Final Exam: 4:30 - 6:30pm, Monday, December 10th, 2018****

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