

# Texas A&M University - Central Texas

## PSYC 5300.110 - Behavioral Statistics - Fall 2017

Instructor: Sam Fiala, Ph.D., L.P.

Class Meetings: M/W 4:00-5:15pm

Office: Warrior Hall 318-B

Email: [sam.fiala@tamuct.edu](mailto:sam.fiala@tamuct.edu)

Office phone: 254-519-5759

Office hours: Mon-Thu 9am-12pm; Mon/Wed 1-3pm (and by appt.)

Course Web Page: <https://tamuct.instructure.com>

### Course Overview

COUN/PSYC 5300 provides a review of descriptive statistics with emphasis on inferential statistics. Learn correlation, one-way and two-way analysis of variance, regression analysis and experimental design. Use of computer software with emphasis on experience with SPSS. Prerequisite(s): undergraduate statistics recommended.

### Course Objectives

1. Understands the importance of research in advancing the counseling profession, including how to critique research to inform counseling practice;
2. Understands qualitative, quantitative, and mixed research methods;
3. Understands designs used in research and program evaluation;
4. Use of statistical methods used in conducting research and program evaluation;
5. Basic concepts of analysis and use of data in counseling;

### Student Learning Outcomes: Students will be able to...

SLO	
1. Calculate measures of central tendency and variability, z scores, correlation coefficients, regression equations, analyses of variance, and chi-square	Homework Problems, SPSS Assignments, Quizzes
2. Read, discuss, and write about theoretical concepts underlying descriptive and inferential statistics	Concept Application Discussions
3. Identify the variables under study, state research hypotheses, choose the appropriate descriptive methods, identify the independent and dependent variables, locate the number of samples under study, locate the number of scores per participant, select the appropriate inferential or correlational tests, and draw statistical conclusions from the numerical results of their analyses and present them in APA style	Homework Problems, SPSS Assignments, APA style Results sections, Research Article Analysis, Exams
4. Apply the appropriate statistical techniques to answer the research question given a set of data.	Concept Application Discussion Replies, Article Analysis, Homework Problems

### Course Learning Outcomes and Assessment

1. *Demonstrate comprehension and application of factual knowledge (terminology, classifications, methods, trends).* Students will calculate measures of central tendency and variability, z scores, correlation coefficients, regression equations, analyses of variance and chi-square both by hand and using standard office software and SPSS to solve problems. Students will demonstrate their ability to compute functions on Homework Problems, SPSS assignments, quizzes, and final exam.
2. *Demonstrate comprehension and application of factual knowledge of fundamental principles, generalizations, or theories regarding basic statistics.* Students will read, discuss, and write about theoretical concepts underlying descriptive and inferential statistics, including frequency distributions and graphing, empirical distributions, theoretical distributions (including the normal distribution), sampling distributions, the Central Limit Theorem, and the logic underlying confidence intervals and hypothesis testing. Students will demonstrate their ability to discuss and write about selected concepts during class discussions and writing activities.
3. *Integrate course material to improve thinking, problem solving, and decisions.* Students will identify the variables under study, state research hypotheses, choose the appropriate descriptive methods, identify the independent and dependent variables, locate the number of samples under study, locate the number of scores per participant, select the appropriate inferential or correlational tests, draw statistical conclusions from the numerical results of their analyses, and present them in APA style. Examples and problems will be applied to research in psychology. Students will demonstrate these skills on Homework Problems, SPSS assignments, APA style Results sections, Research Article Analyses, quizzes, and the final exams.
4. *Analyze and critically evaluate ideas, arguments, and points of view.* Students will respond to others' writing (including that of peers and experts in the field) on statistical concepts and substantiate their comments with course materials. Students will derive null and alternative research hypotheses that are supported by information provided for research scenarios. Students will demonstrate their ability to critically evaluate ideas on the Research Article Analyses.

5. *Demonstrate skill in expressing oneself in writing.* Using appropriate APA style, students will Research Article Analyses, and APA style Results sections.

### **Mode of Instruction & Course Access**

This is a *hybrid* course; however, course instruction and student interaction will primarily take place in the classroom setting. Online interactions for the course will rely on TAMUCT's learning management system (Canvas <<https://tamuct.instructure.com>>. See the *Technological Requirements* section of the syllabus for more information on accessing/using Canvas.

### **Student-instructor Interactions**

Learning is best fostered when open lines of communication are maintained among students and between students and the instructor. During our face-to-face interactions, I hope you will feel comfortable asking questions and offering your own course-relevant insights. Some students are so excited about the material that they share too often and dominate class discussions; when this happens, it can detract from the learning experiences of other students. For this reason, I suggest that if you find yourself making disproportionately more comments during a single class meeting than your colleagues, consider whether your comments are enhancing or diminishing the learning environment.

The best way to ask me a question or make a comment outside of the classroom is via my university email

<sam.fiala@ct.tamus.edu>. I will check this email account daily M-F and once on Sa-Su. I will strive to respond to you within 48 hours. I will also create a space in the discussion boards for you to pose general class questions to your colleagues. This is often a good place for students to help each other find the answers to course-relevant questions.

If you need to meet with me outside of my regularly scheduled office hours, you are welcome to drop by and see if I'm available. To make the most efficient use of your time, I suggest you email me ahead of time and schedule an appointment. I can also meet via phone or via collaborate (this is a software feature in Canvas that can sometimes be really helpful because in addition to chat/voice functions, we can also be looking at a document simultaneously via the "application sharing" feature).

### **Participation/Attendance**

I have yet to meet a student who can learn statistics by simply reading the textbook and passively consuming knowledge. You really have to get in there and participate in class discussions/activities if you want to figure things out. I expect students to attend every scheduled class session. However, I do understand that "life does happen", and there may be times when you cannot be present. If you miss a class, it is your responsibility to find out what you missed by communicating with your classmates. Students will have an opportunity to earn points toward their course grade when in attendance (see below).

### **Required Reading**

- American Psychological Association. *Publication Manual of the American Psychological Association (6th ed.)*, APA, 2009.
- Gravetter, F. J., & Wallnau, L. B. (2017). *Statistics for the behavioral sciences (10th ed.)* Belmont, CA: Wadsworth.
- Green, S. B., & Salkind, N. J. (2017). *Using SPSS for Windows and Macintosh: Analyzing and Understanding the Data (8th ed.)*. Boston: Pearson.

### **Required Electronic Resources:**

- Aplia Statistics for Psychology and the Behavioral Sciences. Aplia is an online instructional and homework delivery tool custom-tailored to the Gravetter and Wallnau textbook. Students can purchase Aplia access, which comes with an e-book, at <https://login.cengagebrain.com/cb/login.htm>. If students do not already have an account, click the 'Create a New Account' button and enter the course key when prompted. Then follow the on-screen instructions. **The course key and instructions to register for Aplia access is located in the course materials in Canvas.**
- IBM Statistical Package for the Social Sciences (SPSS) Standard GradPack v. 24. This computing software is widely used to compute statistical analyses and is available for students to use on University computers **free** of charge. If students live far from the University or do not want to use the computer lab resources, students can rent a subscription to SPSS for their personal computers at home. Students can purchase a 6-month or 12-month lease for the program via one of many online vendors. **Be sure to select the STANDARD GradPack not the BASE GradPack.** See the IBM website for a description of the product and a list of vendors: <http://www-03.ibm.com/software/products/en/spss-stats-gradpack>

### **Technological Requirements And Support**

This course will use the A&M-Central Texas Instructure Canvas learning management system.

Logon to A&M-Central Texas Canvas [<https://tamuct.instructure.com>].

Username: Your MyCT username (xx123 or everything before the "@" in your MyCT e-mail address)

Password: Your MyCT password

#### **Technology Support.**

For log-in problems, students should contact Help Desk Central.

24 hours a day, 7 days a week:

Email: [helpdesk@tamu.edu](mailto:helpdesk@tamu.edu)

Phone: (254) 519-5466

[Web Chat](http://hdc.tamu.edu): [<http://hdc.tamu.edu>]

*Please let the support technician know you are an A&M-Central Texas student.*

For issues with **Canvas**, select “chat with Canvas support,” submit a support request to Canvas Tier 1, or call the Canvas support line: 1-844-757-0953, links to all are found inside of Canvas using the “Help” link.

For issues related to course content and requirements, contact your instructor.

## **Academic Honesty Policy**

### **Academic Integrity**

Texas A&M University -Central Texas values the integrity of the academic enterprise and strives for the highest standards of academic conduct. A&M-Central Texas expects its students, faculty, and staff to support the adherence to high standards of personal and scholarly conduct to preserve the honor and integrity of the creative community. Academic integrity is defined as a commitment to honesty, trust, fairness, respect, and responsibility. Any deviation by students from this expectation may result in a failing grade for the assignment and potentially a failing grade for the course. Academic misconduct is any act that improperly affects a true and honest evaluation of a student’s academic performance and includes, but is not limited to, cheating on an examination or other academic work, plagiarism and improper citation of sources, using another student’s work, collusion, and the abuse of resource materials. All academic misconduct concerns will be reported to the university’s Office of Student Conduct. Ignorance of the university’s standards and expectations is never an excuse to act with a lack of integrity. When in doubt on collaboration, citation, or any issue, please contact your instructor before taking a course of action.

My interactions with you are based on an expectation of mutual trust and honor. You are required to do your own work on quizzes, exams, and assignments (unless I explicitly say otherwise). Violation of this trust will result in an F in this course in addition to whatever consequences the administration deems appropriate.

## **Library Services**

The University Library provides many services in support of research across campus and at a distance. We offer over 200 electronic databases containing approximately 250,000 eBooks and 82,000 journals, in addition to the 72,000 items in our print collection, which can be mailed to students who live more than 50 miles from campus. Research guides for each subject taught at A&M-Central Texas are available through our website to help students navigate these resources. On-campus, the library offers technology including cameras, laptops, microphones, webcams, and digital sound recorders.

Research assistance from a librarian is also available twenty-four hours a day through our online chat service, and at the reference desk when the library is open. Research sessions can be scheduled for more comprehensive assistance, and may take place on Skype or in-person at the library. Assistance may cover many topics, including how to find articles in peer-reviewed journals, how to cite resources, and how to piece together research for written assignments.

Our 27,000-square-foot facility on the A&M-Central Texas main campus includes student lounges, private study rooms, group work spaces, computer labs, family areas suitable for all ages, and many other features. Services such as interlibrary loan, TexShare, binding, and laminating are available. The library frequently offers workshops, tours, readings, and other events. For more information, please visit our [Library website](https://tamuct.libguides.com/) [<https://tamuct.libguides.com/>].

## **Academic Accommodations**

At Texas A&M University-Central Texas, we value an inclusive learning environment where every student has an equal chance to succeed and has the right to a barrier free education. The Department of Access and Inclusion is responsible for ensuring that students with a disability receive equal access to the University’s programs, services and activities. If you believe you have a disability requiring reasonable accommodations please contact the Department of Access and Inclusion at (254) 501-5831. Any information you provide is private and confidential and will be treated as such.

For more information please visit our [Access & Inclusion](https://www.tamuct.edu/student-affairs/access-inclusion.html) webpage [<https://www.tamuct.edu/student-affairs/access-inclusion.html>]. Texas A&M University-Central Texas supports students who are pregnant and/or parenting. In accordance with requirements of Title IX and guidance from US Department of Education’s Office of Civil Rights, the Dean of Student Affairs’ Office can assist students who are pregnant and/or parenting in seeking accommodations related to pregnancy and/or parenting. For more information, please visit <https://www.tamuct.departments/index.php>. Students may also contact the institution’s Title IX Coordinator. If you would like to read more about these [requirements and guidelines online](http://www2.ed.gov/about/offices/list/ocr/docs/pregnancy.pdf), please visit the website [<http://www2.ed.gov/about/offices/list/ocr/docs/pregnancy.pdf>].

## **Tutoring**

Tutoring is available to all A&M-Central Texas students, both on-campus and online. On-campus subjects tutored include Accounting, Advanced Math, Biology, Finance, Statistics, Mathematics, and Study Skills. Tutors are available at the Tutoring Center in Warrior Hall, Suite 111.

If you have a question regarding tutor schedules, need to schedule a tutoring session, are interested in becoming a tutor, or any other question, contact Academic Support Programs at 254-519-5796, or by emailing Larry Davis at [Imdavis@tamuct.edu](mailto:Imdavis@tamuct.edu). Chat live with a tutor 24/7 for almost any subject on your computer! Tutor.com is an online tutoring platform that enables A&M-Central Texas students to log-in and receive FREE online tutoring and writing support. This tool provides tutoring in over forty subject areas. Access Tutor.com through Canvas.

## A Note about Sexual Violence at A&M-Central Texas

Sexual violence is a serious safety, social justice, and public health issue. The university offers support for anyone struggling with these issues. University faculty are mandated reporters, so if someone discloses that they were sexually assaulted (or a victim of Domestic/Dating Violence or Stalking) while a student at A&M-Central Texas, faculty members are required to inform the Title IX Office. If you want to discuss any of these issues confidentially, you can do so through Counseling Services (254-501-5956) located on the second floor of Warrior Hall.

Sexual violence can occur on a campus because predators often feel emboldened, and victims often feel silenced or shamed. It is incumbent on ALL of us to find ways to actively create environments that tell predators we don't agree with their behaviors and tell survivors we will support them. Your actions matter. Don't be a bystander; be an agent of change. For additional information on campus policy and resources visit the [Title IX webpage](https://www.tamuct.edu/departments/compliance/titleix.php) [https://www.tamuct.edu/departments/compliance/titleix.php].

## Drop Policy

If you discover that you need to drop this class, you must complete a [Drop Request Form](https://www.tamuct.edu/registrar/docs/Drop_Request_Form.pdf) [https://www.tamuct.edu/registrar/docs/Drop\_Request\_Form.pdf].

Professors cannot drop students; this is always the responsibility of the student. The Registrar's Office will provide a deadline on the University Calendar for which the form must be completed, signed and returned. Once you return the signed form to the Registrar's Office, you must go into Warrior Web and confirm that you are no longer enrolled. If you still show as enrolled, FOLLOW-UP with the Registrar's Office immediately. You are to attend class until the procedure is complete to avoid penalty for absence. Should you miss the drop deadline or fail to follow the procedure, you will receive an F in the course, which may affect your financial aid and/or VA educational benefits.

## University Writing Center

Tutoring is available to all A&M-Central Texas students, both on-campus and online. On-campus subjects tutored include Accounting, Advanced Math, Biology, Finance, Statistics, Mathematics, and Study Skills. Tutors are available at the Tutoring Center in Warrior Hall, Suite 111.

If you have a question regarding tutor schedules, need to schedule a tutoring session, are interested in becoming a tutor, or any other question, contact Academic Support Programs at 254-519-5796, or by emailing Larry Davis at [Imdavis@tamuct.edu](mailto:Imdavis@tamuct.edu). Chat live with a tutor 24/7 for almost any subject on your computer! Tutor.com is an online tutoring platform that enables A&M-Central Texas students to log-in and receive FREE online tutoring and writing support. This tool provides tutoring in over forty subject areas. Access Tutor.com through Canvas.

## 911 Cellular:

Emergency Warning System for Texas A&M University – Central Texas

911Cellular is an emergency notification service that gives Texas A&M University-Central Texas the ability to communicate health and safety emergency information quickly via email, text message, and social media. All students are automatically enrolled in 911 Cellular through their myCT email account.

Connect at [911Cellular](https://portal.publicsafetycloud.net/Texas-AM-Central/alert-management) [https://portal.publicsafetycloud.net/Texas-AM-Central/alert-management] to change where you receive your alerts or to opt out. By staying enrolled in 911Cellular, university officials can quickly pass on safety-related information, regardless of your location.

## Copyright Notice

Students should assume that all course material is copyrighted by the respective author(s). Reproduction of course material is prohibited without consent by the author and/or course instructor. Violation of copyright is against the law and Texas A&M University-Central Texas' Code of Academic Honesty. All alleged violations will be reported to the Office of Student Conduct. Copyright. (2017) by Sam Fiala at Texas A&M University-Central Texas, College of Education; 1001 Leadership Place, Killeen, TX 76549; 254-519-579; [sam.fiala@tamuct.edu](mailto:sam.fiala@tamuct.edu)

## What you will be graded on:

### I. Classroom Participation (170 points total)

Class meetings will frequently feature class discussions and learning activities. You will be rewarded for your participation in each class session using the rubric below:

0 points	Absent. Sorry, no make-ups (there are sufficient days that full credit can be earned without perfect attendance.
1-5 points	Present. Number of points earned within this range depends on if you are awake, not on your phone, and not engaged in irrelevant sidebar conversations.

6-8 points	Present and clearly engaged in class discussion/activity. Number of points earned within this range depends on level of participation and quality of contributions.
9-10 points	Present, clearly engaged in class discussion/activity, and demonstrates preparation for class (i.e., you read and have some idea what you're talking about). Number of points earned within this range depends on the degree to which your participation encourages/discourages the participation of others.

## II. Chapter Homework Problems (17 × 10 pt each = 170 pts total)

The even-numbered problems at the end of each chapter will be assigned as homework problems through Aplia. All homework assignments must be completed independently. To complete homework, students may use textbooks, notes, calculators, and internet resources, but students may not use other people (i.e., classmates, friends, tutors) as resources to complete graded assignments.

## III. SPSS Assignments (15 × 10 pt each = 150 pts total)

Each week students will perform analyses using SPSS software and will submit 10 assignments through the course of the semester. The initial assignments for SPSS (Units 1 through 4) are intended to allow students to gain familiarity with the program. Then, beginning with Unit 5, students will begin to submit graded assignments. Credit will be awarded only for properly labeled assignments as indicated on each set of instructions. Without labels, there is no evidence that students have examined the output, and there is no evidence that students can interpret the output. To meet the goals of this assignment, it is not sufficient that students are able to generate SPSS output. Thus, students who submit SPSS output that is not labeled as specified in each assignment will not receive credit for their submissions. Labels to include on all SPSS output are explicitly stated in each assignment and vary depending on the type of analysis conducted. Points awarded for each label are stated on each assignment.

## IV. Quizzes (45 pts each × 5 = 225 pts total):

Quizzes that include theoretical, definitional, and computational problems will be given at regular intervals during the semester (see Course Calendar for dates). These quizzes will cover content from the assigned chapters and activities listed in the Course Calendar. However, material in this class is cumulative so quizzes will include the use of information from previous chapters in addition to those stated for the exam. **Students should use a hard wired internet connection when taking all exams.** Wireless connections “blink,” and when they do, students will be logged out of the exam and not permitted to resume. If using a laptop, turn off the wireless switch. All computers should be physically plugged into the internet port on the wall with an internet cable before beginning exams

## V. APA Style Results Sections (15 pts each × 6 = 120 pts total)

For selected inferential analyses performed in the course, students will write APA style Results sections that state statistical conclusions from numerical results of each analysis in sentence format. The Results sections will be graded using the following grading rubric.

Statement of Variables (Independent and Dependent)

0      1      2

Statement of the Appropriate Statistical Test

0      1

Statement of Alpha Level used for Statistical Tests

0      1

Inclusion of Appropriate Descriptive Statistics (*n*, *M*, *SD* for all groups)

0      1      2      3      4

Statement of Statistical Conclusions (results explained in sentence format in terms of variables)

0      1      2      3      4      5

Formatting of Statistics Supporting Conclusions (APA style presentation of numerical results)

0      1      2

## VI. Research Article Analysis (100 pts total)

After researching and identifying a demonstration of the specified statistical test in a published research article, students will summarize the major sections of the article according to the format provided. Students should use the grading rubric provided with the assignment to guide their writing.

## VII. Comprehensive Final Exam (95 pts):

A comprehensive final examination that includes all content discussed in the course will be given during final exam week. In addition to a review of course material, the exam will require students to determine the appropriate statistical test for a research question

and analysis of a data set to address the research question. Students may use textbooks, notes, and calculators when completing the exam. However, all exams must be completed independently. Direct all questions to the professor of the course.

## Grading

Classroom participation	170
Chapter homework problems (17 x 10)	170
SPSS assignments (15 x 10)	150
Quizzes (5 x 45)	225
APA Style Results Sections (6 x 15)	90
Research Article Analysis	100
<u>Final exam</u>	<u>95</u>
TOTAL	1000

Course grades will be based on the percentage of total points earned by each student and will be assigned as follows:

A	90-100 %	B	80-89 %	C	70-79 %	D	60-69 %	F (<60 %)
	900-1000 pts		800-899 pts		700-799 pts		600-699 pts	<600 pts
	Mastery of content		Above average understanding of content		Average understanding of content		Below average understanding of content	Failure to understand content

## Late work policy

If you turn in an assignment after the due date, you will receive a grade reduction of 10% for each day it's late (with a maximum reduction of 30%). **However, no late work will be accepted for assignments turned in more than 7 days past its due date.** No late work will be accepted after Dec 12<sup>th</sup> at 12pm (noon). If you miss an online quiz, you will not be able to make it up without documentation of a university-excused absence. Any such make-up must occur within 7 days of the originally scheduled quiz date.

## Some Thoughts About This Course

For some students, statistics courses are intimidating...perhaps even scary. If you are one of the many students who fear stats because you believe "I'm no good at math", I've got good news for you: this isn't so much a math course as it is a language course. The mathematics involved aren't especially complicated, but there are lots of terms and concepts to learn, and sometimes we use overly complicated language to describe simple ideas. I hope you give yourself a chance to excel in this course and that you find it to be a valuable experience. I believe it has the potential to be a surprisingly formative class for many students. Challenging yourself to think critically about the way data are used gets you to look at the world in a slightly different way (not necessarily the "right" way, but it is another perspective)

Unfortunately, I cannot grade you on your "perspective." Rather, I evaluate a product that you generate. This product is the result of your own intelligence, your effort, my ability to teach, and luck. It is unfortunate that luck enters the equation, but it is unavoidable. There may be semesters when life tosses you around quite a bit and earning a "C" is more impressive for you than the "A" that the person next to you earned. In these instances, I encourage you to take pride in your effort and not worry too much about grade that cannot perfectly represent your achievements.

## COURSE CALENDAR

WEEK	MONDAY	WEDNESDAY	DUE SUNDAY 11:59PM
WEEK 1 AUG 28- SEP 3	Introduction to Statistics	Frequency Distributions Read/Work SPSS Unit 1	Ch. 1 HW Problems Ch. 2 HW Problems
WEEK 2 SEP 4-10	Labor Day	Central Tendency Read/Work SPSS Unit 2	Ch. 3 HW Problems
WEEK 3 SEP 11-17	Variability	SPSS, Review, Writing APA Style SPSS Lessons Unit 3	Ch. 4 HW Problems <b>QUIZ 1 (CH 1-4)</b>
WEEK 4 SEP 18-24	z-Scores	Probability Read/Work SPSS Unit 4	Ch. 5 HW Problems Ch. 6 HW Problems
WEEK 5 SEP 25- OCT 1	Probability & Samples	Introduction to Hypothesis Testing Read/Work SPSS Unit 5	Ch. 7 HW Problems SPSS Lesson 20
WEEK 6 OCT 2-8	Introduction to Hypothesis Testing	SPSS, Review, Writing APA Style	Ch. 8 HW Problems <b>QUIZ 2 (CH 5-8)</b>
WEEK 7 OCT 9-15	Introduction to the <i>t</i> Statistic	Introduction to the <i>t</i> Statistic Read/Work SPSS Lesson 22	Ch. 9 HW Problems SPSS Lesson 22 Results Section-1
WEEK 8 OCT 16-22	The <i>t</i> Test for Two Independent Samples	Online lecture (no f2f class) Read/Work SPSS Lesson 24	Ch. 10 HW Problems SPSS Lesson 24 Results Section-2
WEEK 9 OCT 23-29	The <i>t</i> Test for Two Related Samples	SPSS, Review, Writing APA Style Read/Work SPSS Lesson 23	Ch. 11 HW Problems SPSS Lesson 23 <b>QUIZ 3 (CH 9-11)</b>
WEEK 10 OCT 30- Nov 5	Introduction to ANOVA	Introduction to ANOVA Read/Work SPSS Lesson 25	Ch. 12 HW Problems SPSS Lesson 25 Results Section-3
WEEK 11 Nov 6-12	Repeated-Measures ANOVA	Repeated-Measures ANOVA Read/Work SPSS Lesson 29	Ch. 13 HW Problems SPSS Lesson 29 Results Section-4
WEEK 12 Nov 13-19	Two-Factor ANOVA	SPSS, Review, Writing APA Style Read/Work SPSS Lesson 26	Ch. 14 HW Problems SPSS Lesson 26 <b>QUIZ 4 (CH 12-14)</b>
WEEK 13 Nov 20-26	Correlation	Correlation Read/Work SPSS Lesson 31	Ch. 15 HW Problems SPSS Lesson 31 Results Section-5
WEEK 14 Nov 27- DEC 3	Regression	Regression Read/Work SPSS Lesson 34	Ch. 16 HW Problems SPSS Lesson 34 Results Section-6
WEEK 15 DEC 4-10	Chi-Square Statistic	SPSS, Review, Writing APA Style Read/Work SPSS Lessons 39-41	Ch. 17 HW Problems SPSS Lesson 41 Article Analysis <b>EXAM 5 (CH 15-17)</b>
WEEK 16 DEC 11-17	REVIEW	FINAL EXAM	

###large portions of this syllabus were blatantly pirated from a wide variety of sources###

**##Professor reserves the right to amend the syllabus at any time##**

### Other important dates:

August 28, Add/Drop/Late Registration begins

August 30, Add/Drop/Late Registration ends, 16-week and 1st 8-week classes

September 1, Priority Deadline to Submit Graduation Application

September 4, Labor Day, CAMPUS CLOSED

September 5, Last day to drop 1st 8-week classes with no record

September 13, Last day to drop 16-week classes with no record  
September 22, Last day to drop a 1st 8-week class with a Q or withdraw with a W  
October 6, Deadline to submit graduation  
October 20, Last day to withdraw from the University (1st 8-week classes WF)  
October 23, Add/Drop/Late Registration begins, 2nd 8-week classes  
October 26, Add/Drop/Late Registration ends, 2nd 8-week classes  
October 30, Last day to drop 2nd 8-week classes with no record  
November 10, Veteran's Day  
November 10, Last day to drop with a Q or withdraw with a W (16-week classes)  
November 17, Last day to drop a 2nd 8-week class with a Q or withdraw with a W  
November 23-24, Thanksgiving, CAMPUS CLOSED  
December 15, Last day to withdraw from the University (16-week and 2nd 8-week classes)  
December 15, Last day to file for Degree Conferral (Registrar's Office)  
December 15, Commencement (End of Fall Term)  
December 25-January 1, WINTER BREAK