Lecture:
Instructor: Dr. Shannon Layman
Class Room: SH 101 (Lecture); LS 318 (Lab)
Class Hours: Monday/ Wednesday 2:30 pm - 3:50 pm

Lab 006 – Thursday 12:00pm - 1:50pm
Instructor: Akshay Parchure
Classroom: LS 318
Email: akshay.parchure@mavs.uta.edu
Office: LS 505
Office Hours: TBA in lab
OR by appointment

Lab 005 – Thursday 4:00pm - 5:50pm
Instructor: Kendall Ackerman
Classroom: LS 318
Email: kendall.ackerman@mavs.uta.edu
Office: LS 403
Office Hours: TBA in lab
OR by appointment

Lab 002 – Thursday 6:00pm - 7:50pm:
Instructor: Jessica Stephens
Classroom: LS 318
Email: jessica.stephens2@mavs.uta.edu
Office: LS 306
Office Hours: TBA in lab
OR by appointment

Lab 003 – Friday 11:00am – 12:50pm:
Instructor: Adam Damadzic
Classroom: LS 318
Email: adam.damadzic@mavs.uta.edu
Office: LS 403
Office Hours: TBA in lab
OR by appointment

Lab 004 – Friday 1:00pm – 2:50pm:
Instructor: Zhen Wang
Classroom: LS 318
Email: zhen.wang89@mavs.uta.edu
Office: ERB 442
Office Hours: TBA in lab
OR by appointment

Lab: Five (5) lab sections are available. You must be registered in lecture (PSYC 2443-001) and one lab section (PSYC 2443-002, 003, 004, 005, or 006) concurrently. Please see the lab schedule for further information.

Manuscript Grading: Kelley Bevers – LS 536
Email: kelley.bevers@mavs.uta.edu
Office Hours: By Appointment Only
Course Information

Course description: PSYC 2443. RESEARCH DESIGN AND STATISTICS I (3-2) 4 hours credit. This course provides theoretical and practical approaches to research methodology, statistical analyses and reporting of research.

In psychology, there are a number of paths you may take ranging from understanding how the mind and brain produce consciousness, perception, or memory, to understanding and improving the lives of those afflicted with a psychopathology. Regardless of the area of interest, research design and statistics will be an integral part of your experience and a necessary tool in your field, and to make progress in your major.

Prerequisites: PSYC 1315, MATH 1302 (or equivalent), ENGL 1302 and completion of the computer competency requirement.

A note on prerequisites: To perform well in this class, you will need to have fulfilled your computer competency requirements as well as your Algebra and English Critical Thinking, Reading and Writing courses. PSYC 2443 is writing and information-intensive.

Course goals: This course consists of learning a variety of methods and procedures commonly used to conduct psychological research, analyzing the data collected in such research, and communicating the research results to the scientific community.

Learning objectives: Objectives are provided for each of the three course modules, before the course schedule begins (page 9)

Required texts and course materials: (Note: Retain these texts for PSYC 2444 and advanced Psychology electives.)

4. Departmental Lab Manual. ISBN: 978-1-60904-648-4 (only available at UTA – those provided off campus may be copied illegally and thus not approved for this course)
5. A calculator with statistical functions (programmable calculators and cell phones will not be permitted)
6. Three Scantrons for your lecture exams: Version #4521 (the blue form)
7. Blackboard will be an important resource throughout the semester. Your assignments, grades, and supplemental readings will be posted through Blackboard. Make sure you have access to Blackboard.
   a. Blackboard support is available 24/7 by calling 1-855-308-5542 or visiting https://uta.edusupportcenter.com
8. A 3 inch (minimum), 3-ring binder which will serve as your writing portfolio

NOTE: This course will be computer/internet intensive. However, you do not need to own a computer to participate effectively in the class. You will, however, need to access and use the computers available to you on campus on a routine basis that has SPSS access.
**Required journal articles:** Articles will be available on electronic reserve through Blackboard.

**Optional resources:**
- See www.apastyle.org (NOTE: the 2009 Publication Manual will be used for all grading)
- See the publisher’s Web site for workshops at: www.mcbride2e and www.cengagebrain.com

**Course structure:** The course is divided into 3 modules: Module 1 spans weeks 1 through 5; Module 2, weeks 6-10; and Module 3, weeks 11-15. Exams (lecture and lab) are given at the end of each module. There is no comprehensive final exam. This is a Blackboard assisted course so you will need to be proficient in the use of Blackboard to perform well. This is an intense course with multiple projects both in and out of class. **You must be prepared to take on an intensive course load in order to do well in this class.**

**Assignments and exams:**
1. **Lecture:** In-class exercises may be given but will not count toward final grade. The lecture grade will be based on three exams adding up to 310 points. Each exam will be broken into a multiple-choice part given in the lecture (50 points) plus the short answer/practical (statistical exercise) part given in the lab (50 points). Exam questions will be drawn from required reading, lecture material, and class activities. If you are late on the day of the exam you will NOT be permitted to take the exam if any class member has completed the exam and left the room. Any make-up exams will be given at the discretion of faculty (See the lecture schedule for exam dates and Make-up work for the make-up exam policy.)

2. **Lab:** The lab grade will be based on in-class assignments, assignments via Blackboard, and manuscript sections, which are scheduled throughout the term. Unless otherwise instructed, **all assignments must be submitted via Blackboard and in compliance with APA formatting.** (See the lab schedule for further details.)

**Writing Portfolio:**
Your writing portfolio serves the purpose of organizing the feedback provided from the graders regarding your Manuscript Assignments. You will keep printouts of your Manuscript Assignment Submissions, including comments/feedback from the graders, and will rewrite/ rework areas of concern. The purpose of rewriting your revisions is so that you have this information for Research Design & Statistics II (2444) where you will not receive much direction regarding your Manuscript Assignment. Your Lab TAs and/or Dr. Layman will check your portfolios throughout the semester, with a final check during your end-of-semester meeting with your Lab TAs to make sure that you are working on them. An incomplete portfolio will receive zero points.

**Attendance:**
At The University of Texas at Arlington, taking attendance is not required. Rather, each faculty member is free to develop his or her own methods of evaluating students’ academic performance, which includes establishing course-specific policies on attendance. As the instructor of this section I have determined:
1. **Lecture:** Classroom attendance is required and necessary for success in this course. Lecture material and classroom activities will supplement material covered in the reading. Your Class Participation grade will be based on participation in class discussions, in-class activities, as well as coming to class. **Attendance will be taken on most non-test days and counts for 10 points of your grade.** Students can miss up to **three (3) days** attendance with no penalty to their Attendance grade. **There will be no opportunities to make-up missed Attendance credit, regardless of the reason,** so use your freebies wisely. I frequently hear from students (frequently enough in fact, that
I’ve added it to this syllabus) after missing the first three classes that they had an excellent reason for the fourth class they missed, such as illness, family emergency, or car trouble. I highly recommend saving up your freebies for unforeseen circumstances that may indeed arise.

Students do not need to submit any documentation for missed days of lectures, the first three missed days will simply be dropped, and all subsequent missed days will result in a deduction, regardless of the reason. This policy does not apply to Exams. No make-up exam will be given unless documentation is received for a University-approved absence and are at the discretion of faculty approval.

Students who miss a class meeting(s) for any reason or miss portions of classes due to tardiness or early departure will still be held accountable for all of the material that is covered during those sessions, including materials presented in lecture that are not in the book. If you miss a class, find a classmate (or two) with whom you can share resources. Please do not email or phone the professor to ask what materials you missed in class. Material covered in class is your responsibility.

While UT Arlington does not require instructors to take attendance in their courses, the U.S. Department of Education requires that the University have a mechanism in place to mark when Federal Student Aid recipients “begin attendance in a course.” UT Arlington instructors will report when students begin attendance in a course as part of the final grading process. Specifically, when assigning a student a grade of F, faculty report the last date a student attended their class based on evidence such as a test, participation in a class project or presentation, or an engagement online via Blackboard. This date is reported to the Department of Education for federal financial aid recipients.

2. **Lab:** Lab attendance is mandatory. Lab attendance will be assessed via In-Class Assignments (ICAs). The information you receive in the lab sections is necessary to aid you in writing papers and doing homework assignments. The information obtained will carry over from the first semester into the second semester. Lab attendance is crucial. Students arriving more than 10 minutes late to lab will be counted as absent.

**Make-up work:** Make-up assignments and exams will be granted only for University-approved, documented absences. For exams and homework you must make faculty and Lab TAs aware of any absence PRIOR to the missed component. You must make-up the missed work within 5 working days.

**Protocol for missing a lab day (including exams):** Email your Lab TA and copy Dr. Layman on the e-mail. Explain the situation and provide documentation at that time if available. Any communication regarding missed class periods must be documented via e-mail.

**Protocol for missing lecture exams:** Email Dr. Layman and explain the situation. Provide documentation at that time if available. Any communication regarding missed lecture exams must be documented via e-mail.

**Extra credit:** Research Participation through SONA will grant up to 5 extra credit points for the lecture portion. You may participate in additional research voluntarily. To gain these Extra Credit points you MUST be enrolled in SONA. Details are available on the psychology website at [http://www.uta.edu/psychology/](http://www.uta.edu/psychology/). Also you may not use the same experiment for SONA credits in more than one course at a time.
**Grading:** *While you must pass both the lecture component and the lab component with a C, you will receive one course grade for your combined performance in the lecture and lab. (Note: while the short answer parts of the tests are given during labs, they are part of the lecture grade!)*

Examples of the rubrics we will use for scoring will be provided on Blackboard.

**Ten points/day (i.e. each 24-hour period) will be deducted from your final score for any APA writing submission that is received late.**

*Be sure to check the schedule below for interim evaluation dates!*

<table>
<thead>
<tr>
<th>LECTURE POINTS</th>
<th>LAB POINTS</th>
<th>Total possible points = 620 (+5)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Exam 1 (Lecture)</strong> 50</td>
<td>Lab 50</td>
<td><strong>Manuscript Assignments</strong> 75</td>
</tr>
<tr>
<td><strong>Exam 2 (Lecture)</strong> 50</td>
<td>Lab 50</td>
<td><strong>Writing Portfolio (also used in 2444)</strong> 15</td>
</tr>
<tr>
<td><strong>Exam 3 (Lecture)</strong> 50</td>
<td>Lab 50</td>
<td><strong>In-Class Assignments (ICA)</strong> 110</td>
</tr>
<tr>
<td><strong>Attendance</strong> 10</td>
<td></td>
<td><strong>Homework Assignments</strong> 110</td>
</tr>
<tr>
<td><strong>Extra credit</strong> 5</td>
<td></td>
<td><strong>Total Lecture</strong> 310 (+5)</td>
</tr>
<tr>
<td><strong>Total Lecture</strong> 310 (+5)</td>
<td><strong>Total Lab</strong> 310</td>
<td></td>
</tr>
</tbody>
</table>

Students must receive a passing grade (a “C”) in both lecture and lab: 217 points out of 310 possible points in lecture and lab separately (or 70% in each section) to pass the course and become eligible to enroll in upper-level courses that have 2444.

**Important lab notes:**

Review: Given the “hands on” nature of instruction, **Lab Attendance is crucial to your success in this course.** You must attend every lab meeting. The information you receive in the lab sections is necessary to aid you in writing papers and doing homework assignments. The information obtained will carry over from the first semester into the second semester.

a. Homework Assignments are due at the beginning of the lab meeting via Blackboard.

b. Manuscript Assignments are due via Blackboard on their respective Saturdays by 11:59 pm.

c. **Failure to hand in ICAs or submit via Blackboard Homework Assignments on time will result in a grade of zero for that assignment.**

d. If you are more than 10 minutes late, you will be counted as absent, losing attendance points; additional points may be deducted from your assignment.
e. If your writing is not up to the level required for this course (i.e. the grader cannot understand what you are trying to convey in your manuscript sections) you will be required to take said section(s) to the UTA Library Writing Center for assistance (see Student Support Services section in syllabus below).

The Writing Center will send Dr. Layman an e-mail regarding what progress occurred during your visit. **Other sections of your manuscript will not be graded if you do not attend the Writing Center to assist in improving your writing.**

f. Any work presented using previous assignments from other classes/projects is considered academic dishonesty (See Academic dishonesty section below) and will not be accepted as gradable material.

If you are caught plagiarizing, you will receive a grade of “F” for the entire course. If in doubt, ask your TA to look at your work and the sources that you are citing from before you hand in an assignment. Similarly, if you are caught cheating on an exam, you will receive a grade of “F” for the entire course.

**Important dates:** (These are also listed on the UTA calendar.)
January 30th: Census Date
March 11th - 16th: Spring Break
March 29th: Last day to drop classes; submit requests to advisor prior to 4:00pm
May 3rd: Last class day for the University (Note: All work must be completed by this date.)

**Student Grievance Procedures Related to Grades:** In attempting to resolve any student grievances regarding grades, it is the student’s obligation first to make a serious effort to resolve the matter with the individual with whom the grievance originated. Individual course instructors retain primary responsibility for assigning grades. The instructor’s judgment is final unless compelling evidence shows discrimination, preferential treatment or procedural irregularities. Any appeal of a grade in this course must follow the procedures and deadlines for grade-related grievances as published in the current University Catalog: [http://catalog.uta.edu/academicregulations/grades/#undergraduatetext](http://catalog.uta.edu/academicregulations/grades/#undergraduatetext)

**Student Support Services:** UT Arlington provides a variety of resources and programs designed to help students develop academic skills, deal with personal situations, and better understand concepts and information related to their courses. Resources include tutoring, major-based learning centers, developmental education, advising and mentoring, personal counseling, and federally funded programs. For individualized referrals, students may visit the reception desk at University College (Ransom Hall), call the Maverick Resource Hotline at 817-272-6107, send a message to resources@uta.edu, or view the information at [http://www.uta.edu/universitycollege/resources/index.php](http://www.uta.edu/universitycollege/resources/index.php).

- **The IDEAS Center** (2nd Floor of Central Library) offers free tutoring to all students with a focus on transfer students, sophomores, veterans and others undergoing a transition to UT Arlington. To schedule an appointment with a peer tutor or mentor email IDEAS@uta.edu or call (817) 272-6593.

- **Library information** can be obtained through Andy Herzog – 817-272-6208 – amherzog@uta.edu. You will find useful information for psychology at [http://libguides.uta.edu/psychology](http://libguides.uta.edu/psychology) or simply go to the library (www.uta.edu/library) and select Subject Guides and select Psychology.
The Writing Center Offers free tutoring in 20-, 40-, or 60-minute face-to-face and online sessions to all UTA students on any phase of their UTA coursework. Our hours are 9 am to 8 pm Mon.-Thurs., 9 am-3 pm Fri. and Noon-6 pm Sat. and Sun. Register and make appointments online at http://uta.mywconline.com. Classroom Visits, workshops, and specialized services for graduate students are also available. Please see www.uta.edu/owl for detailed information on all our programs and services.

Drop Policy: Students may drop or swap (adding and dropping a class concurrently) classes through self-service in MyMav from the beginning of the registration period through the late registration period. After the late registration period, students must see their academic advisor to drop a class or withdraw. Undeclared students must see an advisor in the University Advising Center. Drops can continue through a point two-thirds of the way through the term or session. It is the student's responsibility to officially withdraw if they do not plan to attend after registering. Students will not be automatically dropped for non-attendance. Repayment of certain types of financial aid administered through the University may be required as the result of dropping classes or withdrawing. For more information, contact the Office of Financial Aid and Scholarships (http://wweb.uta.edu/aaao/fao/).

Disability Accommodations: UT Arlington is on record as being committed to both the spirit and letter of all federal equal opportunity legislation, including The Americans with Disabilities Act (ADA), The Americans with Disabilities Amendments Act (ADAAA), and Section 504 of the Rehabilitation Act. All instructors at UT Arlington are required by law to provide “reasonable accommodations” to students with disabilities, so as not to discriminate on the basis of disability. Students are responsible for providing the instructor with official notification in the form of a letter certified by the Office for Students with Disabilities (OSD). Only those students who have officially documented a need for an accommodation will have their request honored. Students experiencing a range of conditions (Physical, Learning, Chronic Health, Mental Health, and Sensory) that may cause diminished academic performance or other barriers to learning may seek services and/or accommodations by contacting:

The Office for Students with Disabilities, (OSD): www.uta.edu/disability or calling 817-272-3364. Information regarding diagnostic criteria and policies for obtaining disability-based academic accommodations can be found at www.uta.edu/disability.

Counseling and Psychological Services, (CAPS): www.uta.edu/caps/ or calling 817-272-3671 is also available to all students to help increase their understanding of personal issues, address mental and behavioral health problems and make positive changes in their lives.

Non-Discrimination Policy: The University of Texas at Arlington does not discriminate on the basis of race, color, national origin, religion, age, gender, sexual orientation, disabilities, genetic information, and/or veteran status in its educational programs or activities it operates. For more information, visit uta.edu/eos.

Title IX Policy: The University of Texas at Arlington (“University”) is committed to maintaining a learning and working environment that is free from discrimination based on sex in accordance with Title IX of the Higher Education Amendments of 1972 (Title IX), which prohibits discrimination on the basis of sex in educational programs or activities; Title VII of the Civil Rights Act of 1964 (Title VII), which prohibits sex discrimination in employment; and the Campus Sexual Violence Elimination Act (SaVE Act). Sexual misconduct is a form of sex discrimination and will not be tolerated. For information regarding Title IX, visit www.uta.edu/titleIX or contact Ms. Jean Hood, Vice President and Title IX Coordinator at (817) 272-7091 or jmhood@uta.edu.

Academic Integrity: Students enrolled all UT Arlington courses are expected to adhere to the UT Arlington Honor Code:

I pledge, on my honor, to uphold UT Arlington’s tradition of academic integrity, a tradition that values hard work and honest effort in the pursuit of academic excellence.
I promise that I will submit only work that I personally create or contribute to group collaborations, and I will appropriately reference any work from other sources. I will follow the highest standards of integrity and uphold the spirit of the Honor Code.

UT Arlington faculty members may employ the Honor Code in their courses by having students acknowledge the honor code as part of an examination or requiring students to incorporate the honor code into any work submitted. Per UT System Regents’ Rule 50101, §2.2, suspected violations of university’s standards for academic integrity (including the Honor Code) will be referred to the Office of Student Conduct. Violators will be disciplined in accordance with University policy, which may result in the student’s suspension or expulsion from the University. Additional information is available at https://www.uta.edu/conduct/.

| Dr. Layman’s note regarding academic integrity and the GroupMe app: The GroupMe app provides an easy method to connect and communicate about the course including but not limited to 1) seeing what you missed in class, 2) reaching out for assistance in clarifying a topic, 3) clarifying syllabus material, 4) forming a study group, and 5) making friends (y’all have a lot more in common than you think!).

GroupMe becomes trouble, however, if you or others in your group provide assistance in the form of cheating such as (but not limited to) asking for answers to assignments/ exams, sharing your own answers on assignments/ exams, or having someone sign you in on the attendance sheet when you did not attend class (I drop missed classes, spend your time worrying about the material instead).

One thing that always impresses me is the integrity of the students here at UTA. Every time someone chooses to break the Honor Code (either intentionally or unintentionally), students always bring this behavior to my attention.

So, here’s the deal: If someone on GroupMe violates the honor code, that person and all others in the group will receive consequences to fit the behavior up to the discretion of the professor (which may include being reported to the University office of Student Conduct) EXCEPT the student(s) who brought this behavior to my attention. Why are passive bystanders considered in violation of the Honor Code? By not reporting the student Honor Code violation, bystanders were by definition being complicit with the activity. Complicity is a synonym of collusion, which is a direct Honor Code violation (please see first page of faculty referral form for violations). I highly suggest you keep track of what your classmates share with the group so that they do not bring you down with them.

Electronic Communication: UT Arlington has adopted MavMail as its official means to communicate with students about important deadlines and events, as well as to transact university-related business regarding financial aid, tuition, grades, graduation, etc. All students are assigned a MavMail account and are responsible for checking the inbox regularly. There is no additional charge to students for using this account, which remains active even after graduation. Information about activating and using MavMail is available at http://www.uta.edu/oit/cs/email/mavmail.php.

Campus Carry: Effective August 1, 2016, the Campus Carry law (Senate Bill 11) allows those licensed individuals to carry a concealed handgun in buildings on public university campuses, except in locations the University establishes as prohibited. Under the new law, openly carrying handguns is not allowed on college campuses. For more information, visit http://www.uta.edu/news/info/campus-carry/

Student Feedback Survey: At the end of each term, students enrolled in face-to-face and online classes categorized as “lecture,” “seminar,” or “laboratory,” are directed to complete an online Student Feedback Survey (SFS). Instructions on how to access the SFS for this course will be sent directly to each student through MavMail approximately 10 days before the end of the term. Each student’s feedback via the SFS database is aggregated with that
of other students enrolled in the course. Students’ anonymity will be protected to the extent that the law allows. UT Arlington’s effort to solicit, gather, tabulate, and publish student feedback is required by state law and aggregate results are posted online. Data from SFS is also used for faculty and program evaluations. For more information, visit http://www.uta.edu/sfs.

Final Review Week: for semester-long courses, a period of five class days prior to the first day of final examinations in the long sessions shall be designated as Final Review Week. The purpose of this week is to allow students sufficient time to prepare for final examinations. During this week, there shall be no scheduled activities such as required field trips or performances; and no instructor shall assign any themes, research problems or exercises of similar scope that have a completion date during or following this week unless specified in the class syllabus. During Final Review Week, an instructor shall not give any examinations constituting 10% or more of the final grade, except makeup tests and laboratory examinations. In addition, no instructor shall give any portion of the final examination during Final Review Week. During this week, classes are held as scheduled. In addition, instructors are not required to limit content to topics that have been previously covered; they may introduce new concepts as appropriate.

Emergency Exit Procedures: Should we experience an emergency event that requires us to vacate the building, students should exit the room and move toward the nearest exit, which is located on the North and West sides of the building. When exiting the building during an emergency, one should never take an elevator but should use the stairwells. Faculty members and instructional staff will assist students in selecting the safest route for evacuation and will make arrangements to assist handicapped individuals.

Active Shooter: The safety and security of our campus is the responsibility of everyone in our community. Each of us has an obligation to be prepared to appropriately respond to threats to our campus, such as an active aggressor. Please review the information provided by UTA Police regarding the options and strategies we can all use to stay safe during difficult situations. https://police.uta.edu/activeshooter

| Emergency Phone Numbers: | In case of an on-campus emergency, call the UT Arlington Police Department at 817-272-3003 (non-campus phone), 2-3003 (campus phone). You may also dial 911. |
Learning objectives: Note that catch up/review days are indeed class days and you are expected to attend - we will continue class work as normal

Learning Objectives for Module I. At the end of this module, students should be able to:
(1) Describe areas of psychological research and the differences between basic and applied research; research conducted in naturalistic and laboratory settings
(2) Identify and compare descriptive and predictive methods as well as the explanatory method
(3) Use resources in the library to locate and confirm information, and understand APA writing requirements
(4) Explain the following concepts: scales of measurement, reliability, validity, operational definitions
(5) Compute standard scores and measures of central tendency and variation

Learning Objectives for Module 2. At the end of this module, students should be able to:
(1) Identify various distributions, organize and manage data in frequency and class interval distributions
(2) Differentiate between probability and nonprobability sampling and the various subtypes of sampling
(3) Use Excel to graph data and construct tables
(4) Explain hypothesis testing and how Type I and Type II errors are related
(5) Explain what statistical power is and how to make statistical tests more powerful

Learning Objectives for Module 3. At the end of this module, students should be able to:
(1) Discuss the strengths of correlations and interpret scatterplots
(2) Calculate correlation coefficients and perform analyses on various types of regression curves
(3) Differentiate between parametric and nonparametric statistics
(4) Calculate and interpret Chi-square and Wilcoxon's rank-sum tests (the latter TBD)
(5) Use SPSS software to test for statistical significance
(6) Describe ethical standards for research using human participants and animal subjects
<table>
<thead>
<tr>
<th>Wk</th>
<th>Date</th>
<th>Lecture Topic</th>
<th>Reading Assignments</th>
<th>Lab Exercises</th>
<th>Assignment Due</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>M 1/14</td>
<td>Course overview - Introduction to Research Design</td>
<td>McBride Ch. 1</td>
<td>Using Blackboard – Using the library</td>
<td>If you want a chance at up to 5 EC points towards your lecture grade, sign up for SONA and complete online pretesting</td>
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<tr>
<td></td>
<td>W 1/16</td>
<td>Data Collection Techniques</td>
<td>McBride Ch. 4 APA Manual pp. 25 – 59 McBride Ch. 8</td>
<td>In Class Assignment (ICA) 1: Scientific thinking/ Library research (10 pts.)</td>
<td>Assignment #1 – Scientific thinking/ Research compliance (10 pts.)</td>
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<td></td>
<td>M 1/21</td>
<td>University Holiday: Dr. Martin Luther King Jr. Day</td>
<td></td>
<td>Semester Project Discussion with rubrics</td>
<td>Assignment #2 – Library part 1 (10 pts.)</td>
</tr>
<tr>
<td></td>
<td>W 1/23</td>
<td>Discuss semester project</td>
<td>Project handout on Blackboard</td>
<td>Ch. 8 McBride Reporting Research and Blackboard handouts</td>
<td>Assignment #2 - Library part 1 (10 pts.)</td>
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<tr>
<td></td>
<td>M 1/28</td>
<td>Defining Variables &amp; Scales of Measurement</td>
<td>McBride Ch. 5 Gravetter &amp; Wallnau Ch. 1</td>
<td>Using Excel &amp; SPSS: Bar graph practice</td>
<td>Assignment #3 – Plagiarism (10 pts.)</td>
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<tr>
<td></td>
<td>W 1/30</td>
<td>Frequency Distributions</td>
<td>Gravetter &amp; Wallnau Ch. 2 McBride Ch. 7</td>
<td>ICA 3: Plagiarism (10 pts.)</td>
<td>Assignment #3 – Plagiarism (10 pts.)</td>
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<td>3</td>
<td>M 2/04</td>
<td>Measures of central tendency</td>
<td>Gravetter &amp; Wallnau Ch. McBride Ch. 7</td>
<td>ICA 4: Article Quiz (10 pts.)</td>
<td>Assignment #4 – Library part 2 (10 pts.)</td>
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<td>W 2/06</td>
<td>Measures of variability</td>
<td>Gravetter &amp; Wallnau Ch. 4 McBride Ch. 7</td>
<td>ICA 5: Frequency distributions/ Central tendency (5pts.- different from manual)</td>
<td>Assignment #4 – Library part 2 (10 pts.)</td>
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<td>4</td>
<td>M 2/11</td>
<td>z-scores &amp; types of distributions</td>
<td>Gravetter &amp; Wallnau Ch. 5</td>
<td>Understanding measures of variability</td>
<td>Assignment #5 – Frequency/ Central tendency (10 pts.)</td>
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<td>W 2/13</td>
<td>Catch-up day with z-scores</td>
<td>Gravetter &amp; Wallnau Ch. 5</td>
<td>ICA 6: Variability and z-scores (10 pts.)</td>
<td>Assignment #6 – Variability and z-scores (10 pts.) due by end of lab</td>
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<td></td>
<td>M 2/18</td>
<td>Revisiting the Methods section</td>
<td></td>
<td>Exam 1 Review</td>
<td>Manuscript assignment #1 – Title/ Method (10 pts.)</td>
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<tr>
<td>6</td>
<td>W 2/20</td>
<td>Exam #1 (part 1 = Multiple Choice)</td>
<td></td>
<td>Exam #1 (part 2 = word problems)</td>
<td></td>
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<tr>
<td></td>
<td>W 2/20</td>
<td>Exam #1 (part 1 = Multiple Choice)</td>
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<td>Wk</td>
<td>Date</td>
<td>Lecture Topic</td>
<td>Reading Assignments</td>
<td>Date:</td>
<td>Lab Exercises</td>
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<td></td>
<td>M 2/25</td>
<td>Review of Exam #1 Probability</td>
<td>Gravetter &amp; Wallnau Ch. 6</td>
<td></td>
<td>ICA 7: APA – Introduction/ References (10 pts.)</td>
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<tr>
<td>7</td>
<td>W 2/27</td>
<td>Probability &amp; Samples</td>
<td>Gravetter &amp; Wallnau Ch. 7 McBride Ch. 6</td>
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<td></td>
<td>M 3/04</td>
<td>Hypothesis Development Logic and steps of hypothesis testing</td>
<td>McBride Ch. 2 Gravetter &amp; Wallnau Ch. 8 McBride Ch. 7</td>
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<td>Data collection and management</td>
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<td>8</td>
<td>W 3/06</td>
<td>Two-tailed and one-tailed hypothesis tests Type I and Type II Errors</td>
<td>Gravetter &amp; Wellnau Ch. 8 McBride Ch. 7</td>
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<td><strong>Spring Break – No Classes: March 11th – March 16th</strong></td>
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<td>M 3/18</td>
<td>Revisiting the Introduction section The z-test Confidence Intervals</td>
<td>Gravetter &amp; Wallnau Ch. 8 McBride Ch. 7</td>
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<td>ICA 10: Exam 2 Review (5 pts.)</td>
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<td>9</td>
<td>W 3/20</td>
<td>Effect size and statistical power</td>
<td>Gravetter &amp; Wallnau Ch. 8</td>
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<td>M 3/25</td>
<td>Catch-up day</td>
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<td>Exam #2 (part 2 = word problems)</td>
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<td>Exam #2 (part 1 = Multiple Choice)</td>
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<td>Reading Assignments</td>
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<td>Lab Topic</td>
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<td>11</td>
<td>M 4/01</td>
<td>Review of Exam #2</td>
<td></td>
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<td>Manuscript project data analyses</td>
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<td></td>
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<td><em>Revisiting the Results and Discussion sections</em></td>
<td></td>
<td></td>
<td>ICA 12: Correlation/ Inter-rater reliability/ Scatterplots (SPSS) (10 pts.)</td>
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<td>W 4/03</td>
<td>Correlation &amp; effect size using the Coefficient of Determination</td>
<td>Gravetter &amp; Wallnau Ch. 14 McBride Ch. 10, Ch. 15 pp. 316-323</td>
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<td>12</td>
<td>M 4/08</td>
<td>Correlation &amp; Prediction</td>
<td>Gravetter &amp; Wallnau Ch. 14 McBride Ch. 10</td>
<td></td>
<td>Discuss APA Abstract and key words, and writing portfolio</td>
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<td></td>
<td>W 4/10</td>
<td>Nonparametric Testing: Chi-Square Goodness of Fit</td>
<td>Gravetter &amp; Wallnau Ch. 15</td>
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<td>ICA 13: Nonparametric Testing using Chi-Square Goodness of fit / Abstracts (10 pts.)</td>
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<tr>
<td>13</td>
<td>M 4/15</td>
<td>Nonparametric Testing: Chi-Square Test of Independence</td>
<td>Gravetter &amp; Wallnau Ch. 15 McBride Ch. 10, Ch. 15 pp. 316-323</td>
<td></td>
<td>Chi-square test of independence</td>
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<td>W 4/17</td>
<td>Research Compliance IRB, IACUC, &amp; Ethical Guidelines</td>
<td>McBride Ch. 3</td>
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<td>Assignment #11: Nonparametric Testing: Chi-Square Test of Independence (10 pts.) due by end of lab</td>
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<td>14</td>
<td>M 4/22</td>
<td>Catch-up day</td>
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<td>Exam 3 Review</td>
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<td>W 4/24</td>
<td>Exam # 3 (part 1 = Multiple Choice)</td>
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<td>Exam #3 (part 2 = Word Problems &amp; SPSS)</td>
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<td>15</td>
<td>M 4/29</td>
<td>Review of Exam 3 – What to expect in 2444</td>
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<td>No lab meetings unless final meeting scheduled with Lab TA</td>
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<td>W 5/01</td>
<td>Final day for any make-up work/ meetings</td>
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NOTE Catch up/review days are indeed class days and you are expected to attend - we will continue class work as normal