PSY 6358.010: Applied Research Methods
Spring 2018
Wed 4:00 pm – 6:50 pm
Academic 205A

Instructor: Kyle van Ittersum, Ph. D.
Office: Academic 104F
Email: kvanittersum@angelo.edu
Office Hours: Mondays: 10:00-12:00
Tuesdays: 1:00 – 4:00
Wednesdays: 10:00 – 12:00; 2:00-4:00
*By appointment as needed

Course Overview

Course Description (From catalog): An examination of the methods and statistics commonly used when conducting research in applied settings. Topics will include qualitative data collection and analysis, quasiexperimental designs, organizational survey research, longitudinal designs and program evaluation.


Attendance Policy: This is a graduate course and a significant amount of material is covered each class period so regular attendance is expected. If you know you have to miss class then you must submit your homework before class time. I will only accept late assignments in the case of legitimate absences and/or extenuating circumstances. I reserve the right to determine what reasons are legitimate and constitute an excused absence. If you have more than 2 unexcused absences, you will be dropped a letter grade for each subsequent absence.

Course Requirements and Assignments

Homework Assignments: Over the course of the semester you will complete 8 homework assignments and they will each be worth 25 points allowing you to earn 200 points from homework. In general, the assignment will be given in class and will be due the following class period. Please see the attendance policy above if you will not be in class to submit your homework.

Re-Do Option: Throughout the semester, everyone will have one chance to re-do a homework assignment if they would like to improve their grade. You will only be allowed one re-do and the assignment must be submitted by 04/25.

Final Exam: On April 18th, you will be given an in-class final exam which will assess your learning of the material presented throughout the semester. More specifics about what types of questions to expect will be given in class. The exam will be worth 100 points.
Semester Project: Over the course of the semester you will work with a large data set to come up with hypotheses and to test those hypotheses using techniques learned in class. There will be several deliverables associated with this project.

Hypothesis List: First, you will look through the data set and codebook to identify variables that interest you. From there, you will come up with a list of hypotheses (around 8-10) about those variables. This portion will be worth 25 points and is due on 03/07.

Presentation: On 05/02, each of you will give a brief (10 minute) presentation to the class detailing your hypotheses and analyses. More information about the specifics of the presentation will be given in class. This portion is worth 75 points.

Final Paper: Lastly, you will complete a full, manuscript style write-up of the analyses you have done. You will detail the variables you chose, your proposed hypotheses, the analyses you have conducted, any graphs or figures, and provide a full results section. This paper will be in APA style. More specifics and a detailed rubric will be given in class. The final paper portion of the project will be worth 100 points and will be due the Monday of Finals Week (05/07).

Point Breakdown and Grading Policy

<table>
<thead>
<tr>
<th></th>
<th>Points</th>
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<tbody>
<tr>
<td>Homework (8 x 25 pts)</td>
<td>200</td>
</tr>
<tr>
<td>Hypothesis List</td>
<td>25</td>
</tr>
<tr>
<td>Presentation</td>
<td>75</td>
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<tr>
<td>Final Paper</td>
<td>100</td>
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<tr>
<td>Final Exam</td>
<td>100</td>
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<tr>
<td>Total</td>
<td>500</td>
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Final Grades
Final grades will be based on the following scale:
450 - 500 pts    A
400 - 450 pts    B
350 - 400 pts    C
300 - 350 pts    D
0 – 300 pts      F

Grade disputes: If you wish you discuss any points you did or did not receive in the class, you must discuss it with me within 2 weeks of the grade being posted.
**Course Policies**

**Expectations for Class Conduct:** Again, this is a graduate class. Show up on time, be prepared for class, engage in discussion, and be respectful of your classmates. If you are disruptive in class or engaging in other activities that are not class related (E.g.: texting, surfing the net, etc.) you will be asked to stop and if you do not, you will be asked to leave class and forfeit your points for that day. If you disrupt multiple class periods, you will forfeit your ability to take the final.

**Statement Regarding Academic Honesty**

Angelo State University expects its students to maintain complete honesty and integrity in their academic pursuits. Students are responsible for understanding the Academic Honor Code, which is contained in both print and web versions of the Student Handbook.

**Statements for Academic Accommodations for Students with Disabilities**

ASU is committed to the principle that no qualified individual with a disability shall, on the basis of disability, be excluded from participation in or be denied the benefits of the services, programs or activities of the university, or be subjected to discrimination by the university, as provided by the Americans with Disabilities Act of 1990 (ADA), the Americans with Disabilities Act Amendments of 2008 (ADAAA), and subsequent legislation.

The Office of Student Affairs is the designated campus department charged with the responsibility of reviewing and authorizing requests for reasonable accommodations based on a disability, and it is the student’s responsibility to initiate such a request by contacting: dallas.swafford@angelo.edu

**Title IX:**

Angelo State University is committed to the safety and security of all students. If you or someone you know experience sexual harassment, sexual assault, domestic or dating violence, stalking, or discrimination, you may contact ASU’s Title IX Coordinator – Michelle Boone at: Michelle.Boone@angelo.edu
## Schedule for PSY 6358: Spring 2018

Note: Chapters are not necessarily presented chronologically

<table>
<thead>
<tr>
<th>Week &amp; Date</th>
<th>Topic</th>
<th>Chapter(s)</th>
<th>Assignment DUE</th>
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</thead>
<tbody>
<tr>
<td>1: 01/17</td>
<td>Intro/Review</td>
<td>1-4</td>
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<tr>
<td>2: 01/24</td>
<td>Data Screening</td>
<td>5</td>
<td></td>
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<tr>
<td>3: 01/31</td>
<td>Correlations</td>
<td>7</td>
<td>HW1: Data Screening</td>
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<tr>
<td>4: 02/07</td>
<td>Bivariate Regression</td>
<td>8-8.4</td>
<td>HW2: Correlations</td>
</tr>
<tr>
<td>5: 02/14</td>
<td>Adding Variables</td>
<td>8.5-end</td>
<td>HW3: Bivariate Regression</td>
</tr>
<tr>
<td>6: 02/21</td>
<td>Work Day (NO CLASS)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7: 02/28</td>
<td>Adding More Variables</td>
<td>10.5-end</td>
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<tr>
<td>8: 03/07</td>
<td>Moderation/Mediation</td>
<td>10.3+10.4</td>
<td>HW4: Multiple Regression</td>
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<tr>
<td>03/14</td>
<td>SPRING BREAK (NO CLASS)</td>
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<tr>
<td>9: 03/21</td>
<td>ANOVA</td>
<td>11, 13</td>
<td>HW5: Moderation/Mediation</td>
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<tr>
<td>10: 03/28</td>
<td>ANCOVA</td>
<td>12</td>
<td>HW6: ANOVA</td>
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<td>11: 04/04</td>
<td>MANOVA</td>
<td>16</td>
<td>HW7: ANCOVA</td>
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<tr>
<td>12: 04/11</td>
<td>PCA and Factor Analysis</td>
<td>17</td>
<td>HW8: MANOVA</td>
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<tr>
<td>13: 04/18</td>
<td>FINAL EXAM</td>
<td></td>
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<tr>
<td>14: 04/25</td>
<td>Work Day</td>
<td></td>
<td>Re-do HW Due</td>
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<tr>
<td>15: 05/02</td>
<td>Final Presentations</td>
<td></td>
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<tr>
<td>16: 05/07</td>
<td>Finals Week (No Class)</td>
<td></td>
<td>Final Project Due 05/07</td>
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Note: All material must be read by the date assigned.

**Other Important Dates:**

03/07 – Hypothesis List Due

04/18 – Final Exam

04/25 – Re-do HW Due

05/02 – Final Presentations in class

05/07 (11:59 pm) – Final Paper Due