Angelo State University  
Department of Psychology and Sociology  
PSY 6314 RESEARCH METHODS (Online)  
Spring 2018

INSTRUCTOR: Dr. Jungeun “JAY” Lee  
EMAIL ADDRESS: jlee34@angelo.edu

Office hour:

- Students can reach me anytime via e-mails. I check my email throughout the day frequently and respond pretty quickly if you email me before 5 pm.
- Generally, you can expect my responses within 24 hours of contact (except weekends/holidays). Therefore, I strongly recommend **you to email me again to remind me if there is no reply from me after 24 hours.** It is possible that your emails got lost in the fast stream of emails.
- **All emails should include your full name and the course number/title.**
- Communications using phone calls, Collaborate Online (Blackboard video session), and Skype video calls can be arranged when requested by students anytime. My Skype account is by my email address: jlee34@angelo.edu. If you are already using Skype, you can add me to your contact.

REQUIRED TEXTBOOKS:


**COURSE DESCRIPTION**

Psychology, as a science, is based on evidence obtained from research studies. This course is intended to provide the counseling and applied program students (especially those who have limited psychology experience) with a basic background into research methodology and to a lesser extent, statistical analysis utilized in the social sciences. The first section of the course focuses on research methods and the second aspect of the course focuses on a
relatively simplistic approach to data analysis using SPSS (Statistical Package for the Social Sciences).

**STUDENT LEARNING OUTCOMES**

1. The student will understand basic non-experimental design.
2. The student will understand basic quasi-experimental design.
3. The student will understand basic experimental design.
4. The student will be able to evaluate a research design to determine its adequacy.
5. The student will be able to conduct basic analysis of data relevant to each design using SPSS.

**Prerequisite Skills & Technology Support**

1. **ASU email address:** No other email address is acceptable. Thus, students are responsible to check their emails on a daily basis, except holidays and keep their inbox available since it is the main channel for communication in this online course. Important announcements and reminders are sent via emails.
2. **Access to Blackboard:** This class is taught entirely online using Blackboard Learning Management System software. Thus, students must know how to use Blackboard. You can access the course website using the following link: [http://blackboard.angelo.edu](http://blackboard.angelo.edu). If you need support for Blackboard, you can contact the IT Helpdesk at (325) 942-2911.
3. Online courses provide students with a flexible and convenient way to learn. In order to succeed in this and other online classes, you will need to be self-motivated, dedicated, determined, and have a serious commitment to learning and working on your own. Time management is imperative to success in completing coursework. You will need to be very organized and take responsibility for your own learning.
4. Students should spend a minimum of 7-9 hours per week on course material, researching, and preparing assignments. *Your time will be best utilized reading assigned chapters and PowerPoint materials weekly basis and try not to be left behind.*
5. All PowerPoint materials for each chapter are available on Blackboard from the beginning of the semester. Click the “**Course Content**” in the main menu box on the left side. These PPTs summarize important concepts and key points of each chapter. Also, students need to check if there is an additional course material (video clips, supplemental readings, or PowerPoints) assigned.

**COURSE EVALUATION**

**STUDENT EVALUATION:** The semester will be divided into two sections, research methods and statistical analyses. Unfortunately, this course tends to unwittingly terrorize some students. I will do my best to see that this does not happen. If you feel lost at times, you are perfectly normal – many students of statistics feel lost at some point, yet when test time arrives they surprise themselves at their level of understanding.
<table>
<thead>
<tr>
<th>ASSIGNMENTS</th>
<th>POINTS</th>
<th>ASSIGNMENT SPECIFICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 quizzes (15 points each)</td>
<td>90</td>
<td>30 T/F questions on Blackboard</td>
</tr>
<tr>
<td>Research Paper Critiques, Part 1</td>
<td>20</td>
<td>Critique forms part 1 and 2 are available on blackboard Blackboard submission to “Assignment Submission” folder</td>
</tr>
<tr>
<td>Research Paper Critiques, Part 2</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>Analysis assignment 1</td>
<td>15</td>
<td>Blackboard submission to “Assignment Submission” folder</td>
</tr>
<tr>
<td>Analysis assignment 2</td>
<td>20</td>
<td>Type in your answers in the box and attach ONLY the output and data files</td>
</tr>
<tr>
<td>Analysis assignment 3</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>200</strong></td>
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**Quizzes:**

- There will be 6 quizzes in total. Each quiz consists of 30 T/F statements and counts 15 points. There is a 1 hour time limit. Generally, each quiz will be available for the entire week (Monday 8AM through Sunday 11 PM). You can pick the most convenient 60 minutes during the weekdays. Specific dates and times for each quiz are listed in the Tentative Course Outline, which is located on the last page of this syllabus.

- **No make-up test will be allowed for quizzes** as they stay open for a wide range of time frame (five days and four nights) and take 1 hour only. Unless there is an absolutely understandable reason (e.g., you got into a car accident and stayed in coma more than a week), students will have to take a responsibility for their tardiness despite of the generous amount of time allowed.

**Important policy on Test**

Testing via Respondus™ Monitor
Access to quizzes and exams will be through Respondus™ Lockdown Browser and will be video recorded via Respondus™ Monitor [See Other Required Materials below for a list of needed equipment]. Use of another electronic device is prohibited.

There are two practice quizzes: a) one is a Webcam test and b) a short 10 question practice quiz over ASU trivia that is not graded. These tools will be available to the student to assure accessibility. Students are highly encouraged to go through these practice quizzes in advance of taking a graded quiz. This process will allow you to become familiar with the technology associated with testing and improve the testing environment. These quizzes, instructional videos, and more information regarding Respondus Monitor can be found under the Respondus Monitor Help tab in your Blackboard course.

**OTHER REQUIRED MATERIALS**
- Computer with MAC or Windows Operating System
- High Speed Internet Access
- Ethernet adapter cable highly recommended (wireless connections can drop during tests and Collaborate sessions)
- Webcam
Mark your calendar for all test days in advance. It is a student’s responsibility to remember when to take a test and plan it in advance.

When you face an error message or technical problem during the test on Blackboard, here are the steps you need to follow:
- Immediately open a support ticket via Technology Service Center by calling at (325) 942-2911. Make a report of your problem and then you will receive a confirmation email in a couple of minutes.
- Forward that email to me at jungeun.lee@angelo.edu along with your explanation of what happened.
- Please note that only with the confirmation email from IT center, you will be given needed assistance from me.

**Research Paper Critiques:**
- There will be two submissions of Research Paper Critique: Part 1 & 2. Each critique submission counts 30 points.
- Students are expected to read a research paper provided by the instructor and complete Research Paper Critiques forms. This activity reflects what we learn from each chapter and help students develop an ability to critically read and understand research papers. Critique forms and research paper are available on Blackboard.
- This is not an essay assignment. You are expected to write your answers in a concrete, concise, and straightforward way.
- Carefully follow the instructions stated in the each form.
- **Due dates:** Generally, it will be due on Sundays 11PM except the critique part 2, which will be on Monday 11PM. Specific dates and times for each assignment due are listed in the Tentative Course Outline, which is located on the last page of this syllabus.
- **Submission:** Blackboard submission to “Assignment Submission” folder in the main menu box on the left side. Type in your answers in the box and do not attach any file.
- **No late submission will be accepted for this assignment.** Because the correct answer will be provided by the instructor immediately after each forum is closed, any submission after the due date will be considered invalid automatically.

**Analysis Assignments:**
- There will be 3 statistical analysis assignments using SPSS and each will be worth 20 ~ 25 points. The questions for each assignment are available on the Blackboard.
- **Due date**: Generally, it will be due on **Sundays 11PM**. Specific dates and times for each analysis are listed in the Tentative Course Outline, which is located on the last page of this syllabus.

- **Submission**: Blackboard submission to “Assignment Submission” folder in the main menu box on the left side. **Type in your answers in the box and attach BOTH the output and data files.**

- **No late submission will be accepted for this assignment.** Because the correct answer will be provided by the instructor immediately after each forum is closed, any submission after the due date will be considered invalid automatically.

- Students will need SPSS to complete this analysis assignment. SPSS is available to all students via Citrix in both the MCS lab and Library Commons. You should be able to find the programs by going to "Start", "All Programs", "Citrix Applications" and then "SPSS".

- Students without access to ASU computer labs or SPSS will need to purchase a 6 month rental of: **IBM SPSS Statistics Base Gradpack 22 for windows.** It is available at: [http://www.hearne.software/Software/SPSS-Grad-Packs-for-Students-by-IBM/Pricing?product=SPSS%20Grad%20Packs%20for%20Students%20by%20IBM&currency=USD&region=US&version=Statistics+Base+Grad+Pack&class=Student&platform](http://www.hearne.software/Software/SPSS-Grad-Packs-for-Students-by-IBM/Pricing?product=SPSS%20Grad%20Packs%20for%20Students%20by%20IBM&currency=USD&region=US&version=Statistics+Base+Grad+Pack&class=Student&platform)


**GRADING**

Please note that points do not round up in this grading scale. If your total score is 179, your final grade will be a B. So make sure that you don’t end up being right below the cut-off line.

<table>
<thead>
<tr>
<th>Grading Scale</th>
<th>%</th>
<th>Point Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90 – 100%</td>
<td>180 - 200 points</td>
</tr>
<tr>
<td>B</td>
<td>80 – 90%</td>
<td>160 - 179 points</td>
</tr>
<tr>
<td>C</td>
<td>70 – 80%</td>
<td>140 - 159 points</td>
</tr>
<tr>
<td>F</td>
<td>&lt;70%</td>
<td>&lt;139 points</td>
</tr>
</tbody>
</table>

You are encouraged to work/communicate with each other. Bear in mind, however, the final product you submit must be uniquely your own lest you commit plagiarism (see below).

**ACADEMIC INTEGRITY**: 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 available on the web at http://www.angelo.edu/forms/pdf/honorcode5.pdf. Any violation of academic honesty may result in course failure.

**UNIVERSITY POLICIES**

**STUDENT ABSENCE FOR OBSERVANCE OF RELIGIOUS HOLY DAYS**
“A student who intends to observe a religious holy day should make that intention known in writing to the instructor prior to the absence.”

**ACADEMIC HONESTY**
Academic honesty is expected on all work. Students are expected to maintain complete honesty and integrity in their online experiences. Any student found guilty of any form of dishonesty in academic work is subject of disciplinary action and possible expulsion from ASU.

The Department of Psychology, Sociology, and Social Work adheres to the academic honesty statement as set forth in the Angelo State University Student Handbook (2011-2012) http://www.angelo.edu/content/files/17358-university-honor-code. The University "faculty expects all students to engage in all academic pursuits in a manner that is above reproach and to maintain complete honesty and integrity in the academic experience both in and out of the classroom setting and may initiate disciplinary proceedings against a student accused of any form of academic dishonesty, including but not limited to, cheating on an examination or other academic work, plagiarism, collusion, and the abuse of resource materials."

**PLAGIARISM**
Plagiarism at ASU is a serious topic. The Angelo State University’s Honor Code gives specific details on plagiarism and what it encompasses. Plagiarism is the action or practice of taking someone else’s work, idea, etc., and passing it off as one’s own. Plagiarism is literary theft.

In your discussions and/or your papers, it is unacceptable to copy word for word without quotation marks and the source of the quotation. We use the *APA Style Manual of the American Psychological Association* as a guide for all writing assignments. Quotes should be used sparingly. It is expected that you will summarize or paraphrase ideas giving appropriate credit to the source both in the body of your paper and the reference list.

Papers are subject to be evaluated for originality via Bb Turnitin. Resources to help you understand this policy better are available at the ASU Writing Center http://www.angelo.edu/dept/writing_center/academic_honesty.php.

**STUDENTS WITH DISABILITIES**
1. “Angelo State University 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 Act of 2008 (ADAAA), and subsequent legislation.”

2. 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 the Office of Student Affairs, University Center, Room 112 at (325) 942-2047 or (325) 942-2211 (TDD/FAX) or by e-mail at studentservices@angelo.edu to begin the process. The Office of Student Affairs will establish the particular documentation requirements necessary for the various types of disabilities.

Reasonable accommodations will be made for students determined to be disabled or who have documented disabilities.
# TENTATIVE COURSE OUTLINE

*This course outline is subject to change at the discretion of the instructor.*

<table>
<thead>
<tr>
<th>Module</th>
<th>Week</th>
<th>Main Topics</th>
<th>Related Study Materials</th>
<th>Quiz/Analysis Assignment</th>
<th>Points /200</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1/16</td>
<td>Introduction to the course</td>
<td></td>
<td>Self-Introduction</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>1/22</td>
<td>Multimethod Approach Research Ethics</td>
<td>Sommer Ch. 1 &amp; 2</td>
<td>Quiz 1 (Ch. 1 &amp; 2): 1/22 (Mon) 8AM – 1/28 (Sun) 11PM</td>
<td>15</td>
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<tr>
<td>2</td>
<td>1/29</td>
<td>Observation Mapping and Trace Measures</td>
<td>Sommer Ch. 4 &amp; 5</td>
<td>Quiz 2 (Ch. 4 &amp; 5): 1/29 (Mon) 8AM – 2/4 (Sun) 11PM</td>
<td>15</td>
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<tr>
<td>3</td>
<td>2/5</td>
<td>Interviews, Questionnaires, and Scales</td>
<td>Sommer Ch. 8,9&amp;10</td>
<td>Quiz 3 (Ch. 8, 9 &amp; 10): 2/5 (Mon) 8AM – 2/11 (Sun) 11PM</td>
<td>15</td>
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<tr>
<td>4</td>
<td>2/12</td>
<td>Content Analysis and Archival Measures</td>
<td>Sommer Ch. 11&amp;12</td>
<td>Quiz 4 (Ch. 11 &amp; 12): 2/12 (Mon) 8AM – 2/18 (Sun) 11PM</td>
<td>15</td>
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<tr>
<td>5</td>
<td>2/19</td>
<td>Case Studies Standardized Tests and Sampling</td>
<td>Sommer Ch. 13 Sommer Ch. 16&amp;17</td>
<td>Quiz 5 (Ch. 13, 16 &amp; 17): 2/19 (Mon) 8AM – 2/25 (Sun) 11PM</td>
<td>15</td>
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<tr>
<td>6</td>
<td>2/26</td>
<td>Experimentation</td>
<td>Sommer Ch. 6</td>
<td>Quiz 6 (Ch. 6): 2/26 (Mon) 8AM – 3/4(Sun) 11PM</td>
<td>15</td>
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<tr>
<td>7</td>
<td>3/5</td>
<td>Descriptive statistics</td>
<td>Sommer Ch. 18</td>
<td>Research Paper Critique, Part 1 Due: 3/11 (Sun) 11PM</td>
<td>20</td>
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<td></td>
<td>3/12</td>
<td>Spring Break</td>
<td></td>
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<tr>
<td>8</td>
<td>3/19</td>
<td>STATISTICAL ANALYSES: SPSS Getting Started: Data entry</td>
<td>Aspelmeier Ch. 2</td>
<td>Analysis Assignment 1                      Due: 4/1 (Sun) 11PM</td>
<td>15</td>
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<tr>
<td>9</td>
<td>3/26</td>
<td>STATISTICAL ANALYSES: Frequency and descriptive statistics</td>
<td>Aspelmeier Ch. 5</td>
<td>Analysis Assignment 1                      Due: 4/1 (Sun) 11PM</td>
<td>15</td>
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<tr>
<td>10</td>
<td>4/2</td>
<td>Inferential Statistics</td>
<td>Sommer Ch. 19</td>
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<tr>
<td>11</td>
<td>4/9</td>
<td>STATISTICAL ANALYSES: Comparing means: t-test</td>
<td>Aspelmeier Ch. 7</td>
<td>Analysis Assignment 2                      Due: 4/15 (Sun) 11PM</td>
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<tr>
<td>12</td>
<td>4/16</td>
<td>STATISTICAL ANALYSES: Comparing means: one way ANOVA</td>
<td>Aspelmeier Ch. 8</td>
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<tr>
<td>13</td>
<td>4/23</td>
<td>STATISTICAL ANALYSES: Comparing means: one way ANOVA</td>
<td>Aspelmeier Ch. 8</td>
<td>Analysis Assignment 3                      Due: 4/29 (Sun) 11PM</td>
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<tr>
<td>14</td>
<td>4/30</td>
<td>STATISTICAL ANALYSES: Comparing means: Repeated measures ANOVA</td>
<td>Aspelmeier Ch.10</td>
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<tr>
<td>15</td>
<td>5/7</td>
<td>Review &amp; Reflection</td>
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