### PSYCHOLOGY 305: Experimental Psychology Lab
#### SPRING 2013

<table>
<thead>
<tr>
<th>Location:</th>
<th>EDS122</th>
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<tbody>
<tr>
<td>Psy 305.01L:</td>
<td>Monday, 1:00-1:50</td>
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<tr>
<td>Psy 30502L:</td>
<td>Wednesday 1:00 - 1:50</td>
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| Instructor: | Mrs. Lindsey Pierce |
| Email: | lhaisler@leomail.tamu.edu |
| Office: | Binion 224 |
| Phone: | 903-886-5594 |
| Office Hours: | Tuesdays, Wednesdays, & Thursdays 9:00-10:45 (or by appointment) |

### Lab Description & Purpose:

The experimental lab is a required component PSY 305: Experimental Psychology. This lab will provide additional time to discuss the materials covered in lecture and more importantly, work on applying what you have learned in lecture through developing real research projects. Expect that in lab each week you will work on developing a particular portion of your research projects.

During this lab you will begin by developing a feasible research question (grounded in past literature) which can then be tested through conducting experimental research. Lab will provide you with the step by step processes researchers follow when developing research ideas and conducting experiments. In effect, during lab you will be working on your experimental projects and receiving feedback throughout this process.

Psychological experimentation is challenging, especially if it is your first time. This lab will hopefully serve as an aid in developing your ability to 1) come up with feasible research ideas, 2) develop appropriate research methods, 3) collect data, 4) conduct appropriate analysis, and 4) produce a quality APA style report which presents your findings.

### Required Materials:


#### ISBN: 9781412999328


#### ISBN: 9781433805615
**Work Groups:**
During this class you will have the option to work in groups of 2-3 members. If you decide to work in a group, it would be beneficial for you to work together **in lab**.

**Work Group Evaluations:**
Team work can be a wonderful experience; however, sometimes individuals do not fulfill their group responsibilities, making it more difficult on the other members of the group (e.g., one member does it all, etc). To help with this issue, those who choose to work in a group will be required to evaluate each of the individuals they are working with.

**These evaluations will be taken into consideration when assigning grades on your research projects. In other words, DO NOT commit to working in a group and expect that you can freeload through the semester and get the same grade as your hard working peers.**

**Projects/Papers:**
During lab you will be working towards two major papers. During the first half of the semester, you will be writing a mini literature review that will include a proposed conceptual replication project. During the middle of the semester and through the end of the term you will actually carrying out the proposed project. In effect, the second paper will be an APA style report of your research.

As you work through each section of your projects, you will be submitting your 'first' draft to me and then I will provide feedback for what to change for the final paper. I would like to emphasis that any feedback you get from me is important. I am not the type to comment unless necessary. You will also be getting verbal feedback from me on everything you submit.

In addition to the written papers you will be presenting your final project at the end of the semester as though you were giving an oral presentation of your work at a research symposium (e.g., APA style PowerPoint presentation). See *Exercise 43*, pg. 80 for checklist.

Lab time is geared towards helping you complete and improve your overall project. It is extremely important that you **complete assignments ON TIME** and **attend ALL labs**, as this course will require you to work hard.

**Class Participation:**
Class Participation includes attendance, as well as appropriate participation during lab activities. Please take note that attendance to lab IS REQUIRED. I will take role at the beginning of each lab.

I understand that everyone misses class a time or two. In effect, you get two "freebies" regarding attendance. After this, points from your overall lab grade will be deducted for any unexcused absences. Additionally, I cannot stress enough that attendance is absolutely necessary or you will easily get behind. I am providing valuable work time in lab, do not take this for granted.
**PSY 305 Research Participation:**

**Dr. Pierce will discuss this with you in class, but I wanted to remind you all about this portion of the course. I will be worth 5% of your overall grade.**

In order to give you a better understanding of the nature of psychology, you will be *required* to participate in research (or complete alternate assignments pertaining to research). I would like to emphasize that your Participation in research can greatly help students and faculty who are conducting research at TAMU-C. You will be able to sign up for various studies through the SONA system. Instructions on how to do this will be provided in a separate handout either in class or in lab.

*Credits:* This course requires that you complete a total of 6 credit hours of research participation. **HOWEVER,** if you do not have any unexcused no-shows (i.e. you do not show up for a study) you will be required to complete only 4 credit hours.

*Alternative Assignments:* Participating in research is voluntary. If you do not want to participate in research let Dr. Pierce know and he can assign alternative assignments. In other words you can complete this portion of the course through obtaining research credits and/or completing alternative assignments.

*Student Conduct:*

“All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment.” We will be having discussions in this lab so I must stress the importance of respecting your peers. Also, cheating and plagiarism will not be tolerated. If you cheat or plagiarize on any of your work you will received a zero for the respective assignment. Other disciplinary actions may be carried out as well. If you have any questions about cheating or plagiarism, please contact me.

*Accommodations:*

“Students requesting accommodations for disabilities must go through the Academic Support Committee. For more information, please contact the Director of Disability Resources & Services, Halladay Student Services Bldg., Room 303D, (903) 886-5835.”
**Tentative Course Schedule:**  
**Any changes to the following course schedule will be announced during lab.**

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<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Homework</th>
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| 1    | M Jan. 14 | **Lab 1: Asking Good Questions**  
**Exercise 1: Sources of Knowledge** | Do Exercises 6 & 7: Reading Articles  
- Brainstorm topic ideas for a project |
|      | W Jan. 16 | **MLK Holiday:** No Lab | Select 3 peer reviewed articles related to your topic and bring them to lab. |
| 2    | M Jan. 21 | **Lab 2: Ethics in Research**  
**Exercise 15: Evaluating studies** | Do Exercise 16: Evaluating Ethics  
- Are there ethical concerns in chosen articles? If so, identifying them |
|      | W Jan. 23 | **Lab 3: APA style Paper- Part 1**  
**Exercise 8: Empirical Papers**  
**Discuss Format for entire paper.** | Do Exercise 9: Basic of Psych Research  
- Continue literature research; narrow topic to something you could replicate  
- **Begin writing mini lit review.** |
| 3    | M Jan. 28 | **Lab 4: Experimental Variables**  
**Exercise 11: Defining variables** | Select tentative conceptual replication article; **Submit for approval Thu. 2/14.**  
Do Exercise 33:Variables in your study |
|      | W Jan. 30 | **Lab 5: Discuss/Approve articles**  
**Exercise 38: Method (start working on method section).** | Write up conceptual replication method (Exercise 38).  
**Submit to me by Fri. 2/22** |
| 4    | M Feb. 4  | **Lab 6: Work Day**  
**Work on Paper 1 (cont.)** | Exercise 37: Lit. Review Check List  
**Submit First Draft of Paper 1 Sun. 3/1** |
|      | W Feb. 6  | **Lab 7: Work Day (feedback)**  
**Work on final draft of Paper 1** | Submit Final Draft of Paper 1 Fri. 3/8 |
| 5    | M Feb. 11 | **SPRING BREAK: No lab** | Have FUN, but don’t forget what's coming up!! |
|      | W Feb. 13 | **Lab 8: Collecting Data**  
**Exercise 34: pg. 68-69** | Do exercise 34: B (method)  
Begin collecting data ASAP |
| 6    | M Mar. 4  | **Lab 9: Analyses Section**  
**Exercise 36: (begin filling out)** | Finish Exercise 36 (if needed)  
Finish Data collection/Begin Analysis |
|      | W Mar. 6  | **Lab 10: Group Work Day**  
**No Lab this week!** | Use this time to work in your groups on data collection (if needed) and analysis |
| 7    | M Mar. 11 | **Lab 11: Results Section**  
**Exercise 39: (begin filling out)** | Finish Exercise 39  
analysis and results sections due 4/12 |
|      | W Mar. 13 | **Lab 12: Discussion Section**  
**Exercise 40: (begin filling out)** | Finish Exercise 40  
Discussion section due 4/19 |
| 8    | M Apr. 1  | **Lab 13: Work Day**  
**Work on Oral Presentations** | Submit draft 1 of paper 2 by 4/25 |
|      | W Apr. 3  | **Lab 14: Work Day** | Implement feedback  
Final Draft of paper 2 (date TBA) |
| 9    | M Apr. 8  | **Lab 15: Work Day** | |
|      | W Apr. 10 | **Lab 16: Work Day** | |
| 10   | M Apr. 15 | **Lab 17: Work Day** | |
|      | W Apr. 17 | **Lab 18: Work Day** | |
| 11   | M Apr. 22 | **Lab 19: Work Day** | |
|      | W Apr. 24 | **Lab 20: Work Day** | |
| 12   | M Apr. 29 | **Lab 21: Work Day** | |
|      | W May. 1  | **Lab 22: Work Day** | |
| 13   | May 6-10 | **FINALS WEEK: No Lab** | |