Course	**PSY 3393.006/ CGS 3340.006 - Experimental Projects in Psychology**
Professor	Chandramallika Basak
Term	Fall, 2016
Meetings	Tuesdays and Thursdays, 4:00 pm – 5:15 pm, JO 3.209

Professor Contact Information
Dr. Chandramallika Basak
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Office Hours – Tuesdays and Thursdays, 2:00 pm – 3:00pm. Location: JO 3.106

Teaching Assistant
Nicholas R. Ray
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Classroom Location: JO 3.209

Course Description
Laboratory and field experience in designing and conducting psychological research, with a major emphasis on the writing of research reports. This course fulfills the advanced writing requirement for Psychology and Cognitive Science majors, because you will receive feedback on, and re-write an original, APA style manuscript of more than 15 double-spaced pages.

Program-Level Learning Objectives
2.3. Locate, accurately summarize, and evaluate bodies of scientific literature in psychology in order to construct an argument.
2.4. Use critical thinking to design and conduct basic studies to address psychological questions using appropriate research methods.
3.1. Apply ethical standards to evaluate psychological science and practice
4.1. Demonstrate effective writing skills in various formats (e.g., summaries, integrations, critiques, technical reports in APA style) and for various purposes (e.g., informing, teaching, explaining, defending, persuading, arguing).

Further Learning Outcomes

General Course Information

Pre-requisites, Co-requisites, & other restrictions	Pre-requisite: PSY 3392 or PSY 3490
Other Learning Outcomes	2.2 Explain and apply basic statistical analyses and employ critical thinking to evaluate the appropriateness of conclusions derived from their use. 4.2. Demonstrate effective oral communication skills in various contexts (e.g., group discussion, presentation) and for various purposes (e.g., informing, teaching, explaining, defending, persuading).
Required Texts &	1. APA Manual 6th edition (American Psychological Association).

Materials **ISBN:** 978-1-4338-0561-5
Paperback (required)

2. www.utdallas.edu/research/compliance/irb/training.html (Human Subjects Training)
3. Additional reading materials will be posted on elearning in pdf, word document or excel spreadsheet format.

Overview of the Class:
The two main objectives of the course are:

1) To design, carry out and interpret the results of a psychological experiment.
2) To write-up the research using the APA format.

All students MUST have a regular access to the hard copy of the APA manual and bring it to the class. I place emphasis on the ability of the students to write effectively and clearly following APA guidelines. Therefore, early in the semester, all students summarize and criticize an experimental paper, which we will discuss in the class.

After this assignment, students will work on designing individual experiments and locating relevant peer-reviewed articles (references) from the literature using UT Dallas' online library resources. This will provide theoretical and practical support for the experiment. As the semester progresses, students will turn in preliminary versions of each section of their paper (introduction, methods and results). Turning in the individual sections of the paper ensures that keep up with the great deal of writing that this course requires, and importantly, the feedback provided by the instructor allows the students to modify their writing and improve their final paper.

The students will be reminded every week of the upcoming week's deadlines. Additionally, the important due dates, activities and quizzes are posted on the syllabus.

New assignments, revisions to the syllabus, announcements, reading materials, and your grades will be posted on the eLearning site. You are responsible for checking this site frequently in order to be aware of new activities, announcements, etc. make sure that you have an UTD email address on this account.

Assignments & Academic Calendar

Date	Topic	Assignments Due	Readings
23 Aug	Course Overview: Syllabus Experimentation in Psychology	---	---
25 Aug	Experimentation in Psychology Demonstration of literature search	Bring APA Manual	**APA:** Chapters 6 & 7 **Notes:** Assigned Article Reference; Finding References; Citing References; Writing Summaries
30 Aug	Writing Summary Writing References	Bring APA Manual	Chapters 2 & 3
1 Sep	Discuss Assigned Article Components of an Experiment Generate Research Ideas	**Literature Review: Assigned Article (with reference)**	Chapters 1 to 4. **Notes:** Guidelines for the experiment.
6 Sep	Generating Hypothesis. Designing Surveys. Experimental demos.	Come up with an idea for your experiment.	Chapters 3 & 4. Article 1 of your choice.

8 Sep	Experimental Sketch In-Class conferences	**Summary: Article 1 (with reference)**	--
13 Sep	Writing Title page Writing Style	Bring APA Manual	Articles 2 & 3 related to Article 1. Chapter 1.
15 Sep	Psychological constructs Plagiarism.	**Summary: Article 2 (with references)**	Ethics of Scientific Publication (APA Manual pp. 11-16).
20 Sep	Experimental Sketch (revised) In-Class conferences	**Summary: Article 3 (with references)**	
22 Sep	Experimental Sketch (revised) In-Class conferences	**Experimental Sketch**	
27 Sep	IRB application process Putting together your experiment	Complete online HSP training	Notes: Data Collection & Table
29 Sep	How to conduct your experiment?	IRB application completion--in class	APA Chapter 2. APA Ch. 4 for Method section (punctuation, abbreviations, italics, numbers, etc.)
4 Oct	Writing Methods.	Bring APA Manual	APA Chapter 2. APA Ch. 4 for Method section (punctuation, abbreviations, italics, numbers, etc.)
6 Oct	Introduction to statistics: 1- Factor ANOVA	IRB Approval	Notes: 1-Factor ANOVA results in SPSS
11 Oct	Quiz 1	**Draft of Methods** IRB Approval* Bring APA manual and notes	
13 Oct	Writing Introduction In –class data collection	Bring APA Manual	
18 Oct	In-class data collection	**Draft of Introduction**	
20 Oct	Creating data table for your data.		Notes: SPSS output
25 Oct	Data Analysis: 2 –Factor ANOVA	**Data Table**	
27 Oct	Lab: Practice Examples on SPSS		Practice Data
1 Nov	Lab: Creating Graphs Interpreting Graphs		Graphs
3 Nov	Lab: Data analysis of your data Interpreting your data	**Submit Data Output**	Your Data
8 Nov	Writing Results	Bring APA Manual	
10 Nov	Writing Abstract	**Draft Results**	
15 Nov	Presentation example Presenting your research	**Draft Title Page + Abstract**	
17 Nov	Quiz 2	Bring APA manual and notes	
29 Nov	In-Class Presentation (15-min PowerPoint presentation including Q&A).	PPT slides to be uploaded	
1 Dec	In-Class Presentation (15-min		

	PowerPoint presentation including Q&A).		
6 Dec	In-Class Presentation (15-min PowerPoint presentation including Q&A).		
07 Dec Wed	Research Paper Due by 5 pm		

**** In-Class Project Presentations (all students are required to attend).**

*Final Paper is due **Dec 07** by **5 pm.** (30% of grade; Title Page, Abstract, Introduction, Method, Results, Discussion, Reference List, Table, Figure Caption Page, Figure).*

Detailed Structure of the Course Grade

Component	**Weight**	**Points**
1. Literature Review	2.5%	5
2. Summary- Article 1	2.5%	5
3. Summary- Article 2	2.5%	5
4. Summary- Article 3	2.5%	5
5. Experimental Sketch	2.5%	5
6. Quiz 1(References, APA style, Plagiarism)	7%	15
7. Quiz 2 (Statistics Activity)	7%	15
8. HSP Certificate + IRB approval		(10 pts. bonus)
9. Data Collection	2.5%	5
10. Data Table	2.5%	5
11. Data Analysis + Output	5%	10
12. Draft of Title page + Abstract	5%	10
13. Draft of Introduction	5%	10
14. Draft of Methods	5%	10
15. Draft of Results	5%	10
16. Class Presentation	10%	20
17. Final paper	30%	60
18. Attendance	5%	10
	Total: 100%	(200 pts)

Final Letter Grades will be calculated as follows: A = 90-100%; B = 80-89%; C = 65-79%; D = 50-64%; F = below 55%. The numerical scores for all grades are used. The final numerical grade score is not converted into letter grade until the final numerical score is computed. The grading sheet is available on elearning that allows students to keep track of their grades.

Assignments and Evaluations

1. Literature Review (5 points)
This assignment involves reviewing an assigned paper by the instructor that uses experimental manipulation, where you have to identify the variables and manipulations, and generate ideas.

2. Research Idea and Articles (5 points)
This set of 3 assignments consists of bringing to class summary of a peer-reviewed paper and how its connected to your research question.

3. Drafts (10 points each; 40 points total)
These assignments consist of the three major sections of the final paper: (i) References, Title page + Abstract, (ii) Introduction, (iii) Methods, (iv) Results.

4. Quiz I and II (15 points each; 30 points total)
Two quizzes will cover assigned readings and class lectures till the quiz. I do not give make-up quizzes unless there are extraordinary circumstances.

5. Compliance Training Certificate and IRB Application (bonus 5 points)
The student will have to submit a pdf version of the certificate on time on elearning. The student will also have to submit the completed IRB application by the deadline to receive bonus points (ensure to cc Dr. Basak on the application submission). Subsequently, s/he will have to upload on elearning the APPROVED IRB on time to receive the bonus grade.

6. Data Collection (5 points)
The student will collect data for the project.

7. Data Table (5 points)
The student will submit the data table in the correct format to Dr. Basak by the assigned due date.

7. Data analysis (10 points)
Each student will have to complete his or her data analysis individually in the class using the statistical software. S/he will also complete the graph of their data in the class.

8. Class Presentations (20 points)
At the end of the semester, each student will give a PowerPoint presentation of his or her experiment to the class.

9. Final Paper (60 points)
Your final paper will include revised sections of the paper that you turned in earlier in the semester, as well as an abstract, a reference page, figures, and if necessary, an appendix. Your grade on the final paper will not necessarily equal the sum of the grades of its original parts. Because rewriting is an important part of the process of academic writing and research publication, you are expected to revise your paper as the semester progresses.

10. Attendance (10 points)
Attendance is mandatory, and daily attendance will be recorded at the beginning of the class. You are expected to arrive in the class on time as the attendance is held at the beginning of the class.

Course & Instructor Policies
Attendance
Attendance is *mandatory*. If you need to excuse yourself from the class, you need to contact the professor before 24 hours. You also encouraged meeting with the professor or the TA to understand the missed class lectures.

Late Policies

- Late assignments received 1 to 3 days after the assigned submission will receive a grading with a penalty whose value will be determined by the discretion of the instructor.
- *Assignments, which are submitted after 4 days of the submission due date will not be accepted or graded.*
- Late final papers may result in a grade of Incomplete in the class.
- To pass, all students must submit a final paper.
- All assignments should be submitted via elearning.
- Syllabus schedule may change. Updated syllabus will be available at the elearning website.

Assignment submission over email.

It is important that you clearly name your files (Attachments) so that they can be clearly distinguished. Please name your files as follows:

Last Name, First Name_AssignmentTitle

For example: Basak, Chandramallika_Data

Comet Creed	*This creed was voted on by the UT Dallas student body in 2014. It is a standard that Comets choose to live by and encourage others to do the same:* "As a Comet, I pledge honesty, integrity, and service in all that I do."
UT Dallas Syllabus Policies and Procedures	*The information contained in the following link constitutes the University's policies and procedures segment of the course syllabus.* *Please go to http://go.utdallas.edu/syllabus-policies for these policies.*

The descriptions and timelines contained in this syllabus are subject to change at the discretion of the Professor.