

## ***Course Syllabus (Fall 2016)***

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### **Course Information**

PSY 3393 Experimental Projects in Psychology (3 semester hours).

CGS 3340 Experimental Projects in Cognitive Science (3 semester hours).

### **Professor Contact Information**

Dr. Richard Golden (GR4.814), Email: [golden@utdallas.edu](mailto:golden@utdallas.edu), Office Hours by Appointment.

### **Teaching Assistant Contact Information**

Mr. Mehmet Gunal, Email: [mxg132130@utdallas.edu](mailto:mxg132130@utdallas.edu), Office Hours by Appointment.

**Time:** Tuesday 7pm-9:45pm

**Location:** Regular Classroom (JO3.209)

### **Course Pre-requisites, Co-requisites, and/or Other Restrictions:**

Pre-requisite: PSY 3392 or PSY 3490

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### **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.

### **Student Learning Objectives/Outcomes**

1. Apply different approaches to modes of written exposition as appropriate to behavioral science research reports.
2. Use effective organization, mechanics, and thesis development for writing in behavioral science.
3. Employ and apply effective and appropriate rhetorical devices directed at a behavioral science audience.
4. Demonstrate an ability to conduct research, apply source material, discuss general information, and apply logical processes when writing.
5. Learn to write a research proposal, research paper, and present his/her own mini-research project.
6. Students will learn how to use SAS computer system to analyze their data using Analysis of Variance (1 factor, 2 factor ANOVAS).

### **Required Textbooks and Materials**

- 1) APA Manual 6<sup>th</sup> edition (American Psychological Association). **ISBN: 978-1-4338-0561-5**  
Paperback (required)
- 2) Dr. Golden's **Powerpoint Lecture Notes** (required) [these can be accessed via "elearning"]  
Go to: [www.utdallas.edu](http://www.utdallas.edu) and then click on the "elearning" link!
- 3) Dr. Golden's **Project Grading Sheet** (required) [accessible via "elearning"]
- 4) [www.utdallas.edu/research/compliance/irb/training.html](http://www.utdallas.edu/research/compliance/irb/training.html) (Human Subjects Training)

### **Highly Recommended**

- 5) The Elements of Style (W. Strunk and E.B. White) (*Recommended*)  
ISBN 978-1557427281 (Pub. Date. 2009, WLC Books) [any edition is fine.]
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## Assignments & Academic Calendar

- **Assignment 1 Due: Monday, September 12 (Midnight)**
- **Exam 1: Tuesday October 4 (Attendance Mandatory)**
- **Assignment 2 Due: Monday, October 10 (Midnight)**
- **IRB Proof-of-Training Certificate Due, Monday October 24 (Midnight)**
- **Analyze Data for Your Experiment, Tuesday October 25**
- **Exam 2: Tuesday November 1 (Attendance Mandatory)**
- **Assignment 3 Due: Monday, November 7 (Midnight)**
- **Peer Review Session, Tuesday November 15 (Attendance Mandatory)**
- **Final Presentations: November 29, December 6 (Attendance Mandatory)**
- **Final Paper Due: Monday, December 12 (Midnight)**

**Lecture 1 (Module 1): August 23.** Overview of Course, Grading, Introduction to APA format, Project Ideas, Researching your topic, Formulating your hypothesis. Project grading. Why is it important to write papers in APA-format? What is APA format? The concept of peer-review (APA manual, Chapters 1, 8). Overview of APA paper format (see Grading Handouts; APA manual Chapter 2)). Ideas for Projects. Using the on-line UTD catalog and interlibrary loan to find specific journal articles, Using Web Of Science to do Forward and Backward Citation Searches. Research Hypotheses. *Project Constraints: Must have 2 factors with at least 3 levels for each factor and literature support must exist. Students search for topics related to their interests as part of class. Computer Lab: Search for ideas and references related to your project!*

**Assignment 1: Title Page, Abstract, Reference List Due, Writing Style, APA Paper Format by Monday, September 12 [10% of grade].**

**Lecture 2 (Module 2): August 30.** Writing the Title Page, Scientific Abstract, and Reference List. Writing the Title Page, Abstract, and Reference List. APA Manual (Chapter 2, Chapter 6, Chapter 7). Individual Assistance with Topic Research and Using On-Line Library Resources. *Computer Lab: Search for ideas and references related to your project!*

**Lecture 3 (Module 3): September 6:** Review of Module 2. Research Hypotheses, Psychological Constructs, Writing the Introduction, Plagiarism, Writing Style. Plagiarism. Ethics of Scientific Publication (APA Manual, Chapters 1, 6). Writing Style (APA Manual Chapters 1, 3, 6). Writing Style (Strunk and White). (APA Manual, Chapters 3, 4).

**Lecture 4 (Module 4): September 13:** Review of Modules 2 and 3. Introduction to SAS Programming. 1-Factor Between-Groups ANOVA SAS Program. 1-Factor Between-Groups ANOVA Results Paragraphs. (SAS Computer Lab, 8:45pm-9:45pm).

**Assignment 2: Title Page, Abstract, Introduction, Expected Results (with figure caption and dependent variable clearly defined-Just Result Sections A and B of Grading Criteria Sheet), Figure Captions Page, Reference List, Writing Style, APA Paper Format, Appendix A (Outline of Introduction). Due by Monday, October 10 at Midnight (15% of grade).**

**Lecture 5 (Module 5, 6): September 20:** 1-Factor Within-Groups ANOVA SAS Program. 1-Factor Within-Groups ANOVA Results Paragraphs. Writing the Expected Results Section. APA-style Figures and APA format for Figures and Figure Captions. Theory and Examples. APA Manual Chapter 5. (SAS Computer Lab: 9pm-9:45pm)

**Lecture 6: September 27 (Module 6 and Module 7):** Feedback on Assignment 1. Human Subjects Training Course). Writing the Methods Sections (see APA Manual Chapter 2)

**Lecture 7: October 4, Exam 1.** All reading assignments. 1-Factor Between Groups SAS Program and 1-Factor Between-Groups Results Paragraph; 1-Factor Within Groups SAS Program and 1-Factor Within-Groups Results. Open book and open notes. (10% of grade). **Attendance is mandatory.**

**Assignment 3: Title Page, Abstract, Introduction, Method, Expected Results (Figure, Figure Caption Page), Reference List, Writing Style, APA Paper Format, Appendix A: Introduction Outline. Due by Monday, November 7 at Midnight. (20% of grade).**

**Lecture 8: October 11 (Module 8):** 2-factor Between Groups ANOVA. Interpreting and Writing Interaction Paragraphs. 2-factor Within-Groups ANOVA. 2-factor Mixed ANOVA. APA results paragraph for 2-factor ANOVAS. SAS Computer Lab (9pm-9:45pm)

**Assignment 4: Final Paper is due Monday, December 12 (Midnight) (30% of grade).**

**Lecture 9: October 18 (Modules 9 and 10).** Review of Assignment 3 requirements. Review of ANOVA SAS Programs. (SAS Lab). Example APA paragraphs for mixed ANOVA. Example APA paragraph for planned and post-hoc comparisons with figures. Writing the Results Section and the Discussion Section. (APA Manual, Chapter 2). (SAS Computer Lab, 9pm-9:45pm).

**Lecture 10: October 25: Analyze Your Data.** Review Assignment 4 requirements. Provide Students with Simulated Data. SAS Project Data Analysis [SAS LAB for final project data analysis. **Attendance is mandatory.**

**Lecture 11: November 1: Exam 2.** All reading assignments. 2-factor Within; 2-factor Between; 2-factor Mixed; Planned and Post-hoc Comparisons. 10% of Grade. Open Book and Open Notes. **Attendance is mandatory.**

**Lecture 12: November 8:** Writing and SAS Computer Lab Day. Individual Assistance with Specific Projects. Additional time for SAS data analyses of your project data.

**Lecture 13: November 15: Peer Review Session (Module 11).** Scientific Presentations in Powerpoint (10-12 minute presentation + 3 minutes discussion). Assign Students to Project Presentation Dates. Sign up for In-Class Project Presentations. (see APA Manual, Chapters 2, 8) *Module 11: Peer Review: What it is and how to implement it. Peer Review Exercise.* Please bring 4 printed copies of a rough draft of your: introduction, methods, results, and discussion to class for peer review. We will have peer review group sessions where you will receive feedback on your paper. **Attendance is mandatory.**

**November 24-November 26: Thanksgiving Holidays.**

**Lectures 14 and 15: November 29, December 6: In-Class Project Presentations (all students required to attend all project presentations (roll will be taken)).** Attendance at project presentations of other students is part of your presentation grade. *Students who present on November 29 are not required to attend presentations of other students on December 6. Attendance is mandatory.*

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**Grading Policy**

*(including percentages for assignments, grade scale, etc.)*

Grades will be calculated according to the following weighting system. The numerical scores for all grades are used. The final numerical grade score is not converted into a letter grade until the final numerical score is computed (Grade A > 85%, Grade B > 70%, Grade C > 60%, Grade D > 50%).

- Exam 1 (10%)
- Exam 2 (10%)
- Assignment 1 (10 %)
- Assignment 2 (15 %)
- Assignment 3 (20%)
- Assignment 4 (30%)
- Participation (Presentation, Human Subjects Training Certificate, Reviewing Exercise): 5%

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**Course & Instructor Policies**

*(make-up exams, extra credit, late work, special assignments, class attendance, classroom citizenship, etc.)*

- Late assignments (received 1 to 3 days after the assigned submission date) will receive a grading penalty whose value will be determined by the discretion of the instructor.
- *Assignments submitted after 4 days of the submission due date will not be accepted or graded.*
- The grade you receive on an assignment you failed to submit will be based upon your performance on other assignments in class and will be based upon your grade on your next assignment while incorporating a severe grading penalty.
- If the final paper is late, then the student may receive an incomplete grade.
- To pass the class, all students must submit a final paper.
- All assignments must be submitted via ELEARNING (see "Academic Integrity Section" below)
- Syllabus schedule and grading policies may change. Updated syllabus at the "elearning" website!

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**Field Trip Policies**

**Off-campus Instruction and Course Activities**

*Off-campus, out-of-state, and foreign instruction and activities are subject to state law and University policies and procedures regarding travel and risk-related activities. Information regarding these rules and regulations may be found at the website address [http://www.utdallas.edu/BusinessAffairs/Travel\\_Risk\\_Activities.htm](http://www.utdallas.edu/BusinessAffairs/Travel_Risk_Activities.htm). Additional information is available from the office of the school dean. Below is a description of any travel and/or risk-related activity associated with this course.*

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## **Student Conduct & Discipline**

The University of Texas System and The University of Texas at Dallas have rules and regulations for the orderly and efficient conduct of their business. It is the responsibility of each student and each student organization to be knowledgeable about the rules and regulations which govern student conduct and activities. General information on student conduct and discipline is contained in the UTD publication, *A to Z Guide*, which is provided to all registered students each academic year.

The University of Texas at Dallas administers student discipline within the procedures of recognized and established due process. Procedures are defined and described in the *Rules and Regulations, Board of Regents, The University of Texas System, Part I, Chapter VI, Section 3*, and in Title V, Rules on Student Services and Activities of the university's *Handbook of Operating Procedures*. Copies of these rules and regulations are available to students in the Office of the Dean of Students, where staff members are available to assist students in interpreting the rules and regulations (SU 1.602, 972/883-6391).

A student at the university neither loses the rights nor escapes the responsibilities of citizenship. He or she is expected to obey federal, state, and local laws as well as the Regents' Rules, university regulations, and administrative rules. Students are subject to discipline for violating the standards of conduct whether such conduct takes place on or off campus, or whether civil or criminal penalties are also imposed for such conduct.

## **Academic Integrity**

The faculty expects from its students a high level of responsibility and academic honesty. Because the value of an academic degree depends upon the absolute integrity of the work done by the student for that degree, it is imperative that a student demonstrate a high standard of individual honor in his or her scholastic work.

Scholastic dishonesty includes, but is not limited to, statements, acts or omissions related to applications for enrollment or the award of a degree, and/or the submission as one's own work or material that is not one's own. As a general rule, scholastic dishonesty involves one of the following acts: cheating, plagiarism, collusion and/or falsifying academic records. Students suspected of academic dishonesty are subject to disciplinary proceedings.

Plagiarism, especially from the web, from portions of papers for other classes, and from any other source is unacceptable and will be dealt with under the university's policy on plagiarism (see general catalog for details). This course will use the resources of turnitin.com, which searches the web for possible plagiarism and is over 90% effective.

## **Email Use**

The University of Texas at Dallas recognizes the value and efficiency of communication between faculty/staff and students through electronic mail. At the same time, email raises some issues concerning security and the identity of each individual in an email exchange. The university encourages all official student email correspondence be sent only to a student's U.T. Dallas email address and that faculty and staff consider email from students official only if it originates from a UTD student account. This allows the university to maintain a high degree of confidence in the identity of all individual corresponding and the security of the transmitted information. UTD furnishes each student with a free email account that is to be used in all communication with university personnel. The Department of Information Resources at U.T. Dallas provides a method for students to have their U.T. Dallas mail forwarded to other accounts

## **Withdrawal from Class**

The administration of this institution has set deadlines for withdrawal of any college-level courses. These dates and times are published in that semester's course catalog. Administration procedures must be followed.

It is the student's responsibility to handle withdrawal requirements from any class. In other words, I cannot drop or withdraw any student. You must do the proper paperwork to ensure that you will not receive a final grade of "F" in a course if you choose not to attend the class once you are enrolled.

## **Student Grievance Procedures**

Procedures for student grievances are found in Title V, Rules on Student Services and Activities, of the university's *Handbook of Operating Procedures*.

In attempting to resolve any student grievance regarding grades, evaluations, or other fulfillments of academic responsibility, it is the obligation of the student first to make a serious effort to resolve the matter with the instructor, supervisor, administrator, or committee with whom the grievance originates (hereafter called "the respondent"). Individual faculty members retain primary responsibility for assigning grades and evaluations. If the matter cannot be resolved at that level, the grievance must be submitted in writing to the respondent with a copy of the respondent's School Dean. If the matter is not resolved by the written response provided by the respondent, the student may submit a written appeal to the School Dean. If the grievance is not resolved by the School Dean's decision, the student may make a written appeal to the Dean of Graduate or Undergraduate Education, and the dean will appoint and convene an Academic Appeals Panel. The decision of the Academic Appeals Panel is final. The results of the academic appeals process will be distributed to all involved parties.

Copies of these rules and regulations are available to students in the Office of the Dean of Students, where staff members are available to assist students in interpreting the rules and regulations.

## **Incomplete Grade Policy**

As per university policy, incomplete grades will be granted only for work unavoidably missed at the semester's end and only if 70% of the course work has been completed. An incomplete grade must be resolved within eight (8) weeks from the first day of the subsequent long semester. If the required work to complete the course and to remove the incomplete grade is not submitted by the specified deadline, the incomplete grade is changed automatically to a grade of F.

## **Disability Services**

The goal of Disability Services is to provide students with disabilities educational opportunities equal to those of their non-disabled peers. Disability Services is located in room 1.610 in the Student Union. Office hours are Monday and Thursday, 8:30 a.m. to 6:30 p.m.; Tuesday and Wednesday, 8:30 a.m. to 7:30 p.m.; and Friday, 8:30 a.m. to 5:30 p.m.

The contact information for the Office of Disability Services is:  
The University of Texas at Dallas, SU 22  
PO Box 830688, Richardson, Texas 75083-0688  
(972) 883-2098 (voice or TTY)

Essentially, the law requires that colleges and universities make those reasonable adjustments necessary to eliminate discrimination on the basis of disability. For example, it may be necessary to remove classroom prohibitions against tape recorders or animals (in the case of dog guides) for students who are blind. Occasionally an assignment requirement may be substituted (for example, a research paper versus an oral presentation for a student who is hearing impaired). Classes enrolled students with mobility impairments may have to be rescheduled in accessible facilities. The college or university may need to provide special services such as registration, note-taking, or mobility assistance.

It is the student's responsibility to notify his or her professors of the need for such an accommodation. Disability Services provides students with letters to present to faculty members to verify that the student has a disability and needs accommodations. Individuals requiring special accommodation should contact the professor after class or during office hours.

### **Religious Holy Days**

The University of Texas at Dallas will excuse a student from class or other required activities for the travel to and observance of a religious holy day for a religion whose places of worship are exempt from property tax under Section 11.20, Tax Code, Texas Code Annotated.

The student is encouraged to notify the instructor or activity sponsor as soon as possible regarding the absence, preferably in advance of the assignment. The student, so excused, will be allowed to take the exam or complete the assignment within a reasonable time after the absence: a period equal to the length of the absence, up to a maximum of one week. A student who notifies the instructor and completes any missed exam or assignment may not be penalized for the absence. A student who fails to complete the exam or assignment within the prescribed period may receive a failing grade for that exam or assignment.

If a student or an instructor disagrees about the nature of the absence [i.e., for the purpose of observing a religious holy day] or if there is similar disagreement about whether the student has been given a reasonable time to complete any missed assignments or examinations, either the student or the instructor may request a ruling from the chief executive officer of the institution, or his or her designee. The chief executive officer or designee must take into account the legislative intent of TEC 51.911(b), and the student and instructor will abide by the decision of the chief executive officer or designee.

***These descriptions and timelines are subject to change at the discretion of the Professor.***