Laboratory in the Psychology of Time
Psychology 320
Haverford College
Spring 2023

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Office Hours: M, W: 8:00 – 8:30 am; Tuesday 9-10 am; and by appt.

Course Description:
An overview of the different methodologies used in the psychological study of time. During laboratory sessions, students will explore some different temporal phenomena through the use of the empirical method and both the collection and analysis of statistical data. Pre-requisites: Psychology 100 and 200, and either concurrent or prior enrollment in Psychology 220.

Activities and Grading:
The purpose of this course is to not only familiarize you with some different methodological techniques used in the study of time but more generally, the various phases involved in conducting a psychological research project. Accordingly, each of you will first be asked to develop an idea for a laboratory study that involves some aspect of temporal behavior which you will orally present to the rest of us.

There are four constraints on the research idea you develop: first, your research idea must rely on the experimental method (and NOT surveys, questionnaires, correlation, or multiple regression techniques) that represents a factorial design (i.e., more than one independent variable); third, it must be a project that can actually be done at Haverford given our equipment and subject population; and fourth, to the best of your knowledge, your proposed study has not previously been conducted within the past literature. From these, the class will select a project that we will actually do together over the course of the semester. In addition to data collection and statistical analyses of the results, you will be required to write a final research paper that describes all aspects of the study. This includes an: Abstract, Introduction, Methods, Results, Discussion, and Reference sections as well as any accompanying tables or figures, and appendices. This paper should be written in a format that conforms to APA style and is due on **April 25**.

The second main activity is one that will not require any actual data collection or statistical analyses. Instead, you will be asked to develop an original research project that addresses some aspect of temporal behavior. The topic can be anything you desire and, again, the proposal is subject to the same constraints as your first one (i.e., a factorial design relying on the experimental method that has not yet been reported in the previous literature). In addition, it should address a topic that is different from the one you proposed at the beginning of the course. This final paper should contain the following sections: an Introduction that reviews the relevant literature and the particular question(s) you are posing; a Methods section (along with its appropriate sub-sections) that describes *how* you would do the study; a section relating the predicted pattern of results; and, of course, a Reference section. Your proposal is due **March 21.**

The evaluation of these different activities will be weighted as follows:

Research Proposal	40%
Write-up of Lab Experiment	40%
Lab Participation	20%

Course Objectives:

- Learning to implement all steps of the scientific method, from beginning to end
- Refining critical thinking skills through the generation of original research questions and translating these ideas into rigorous experimental designs to address the questions of interest
- Learning to use statistical analysis techniques (e.g., ANOVA, post-hoc comparisons) and interpreting data in light of the original questions and theories motivating the research
- Learning to write research papers that convey ideas, arguments, and research findings effectively

Academic Support Resources:

Please contact me as soon as possible if you are having difficulties in the course. There are also many resources on campus available to you as a student, including the Office of Academic Resources (https://www.haverford.edu/oar/), the Writing Center (https://www.haverford.edu/writing-center/), and the Office of Access and Disability Services (https://www.haverford.edu/access-and-disability-services/).

Academic Integrity

• All work in this course must be in accord with Haverford's Honor Code: http://honorcouncil.haverford.edu/the-code/

• All the work submit, whether for a grade or not, must be your own and all sources in all media must be accurately documented.

• When you document sources, use APA format as your guide. See https://owl.purdue.edu/owl/research_and_citation/apa_style/apa_formatting_and_style_guide/reference_list_electronic_sources.html

• You should not turn in writing, in part or in whole, that you have submitted or will submit in another course.

Lab Schedule:

Jan. 17 – Overview of the methodologies used in the study of time
Jan. 24 – Presentation of student research ideas; selection of study
Jan. 31 - Selection of study and refinements
Feb. 7 – Setup of studies
Feb. 14 – Setup of studies
Feb. 21 - Setup of studies/data collection
Feb.28 – Data Collection
March 7 – Spring Break
March 14 – Data collection – Review of APA style – see posting on Moodle
March 21 – Data collection - **Lab proposal paper due**
March 28- Data collection
April 4 – Data collection
April 11 – Data analysis
April 18 – Data analysis
April 25 – **Write-up of lab project due**