

Research Methods in Psychology

Instructor:
John Pugliese, Ph.D.

PSY 3010 — Section 01 — CRN 44693

Fall 2013

Contact Information

Phone: (435) 879-4634
e-mail: pugliese@dixie.edu

Office: 211 McDonald

Office Hours:
MWF — 1 pm to 3 pm,
TR — 1 pm to 3 pm,
or by appointment

Required Textbook

McBride, D. M. (2013). *The Process of Research in Psychology (2nd Edition.)* Sage Publishing

McBride, D. M., & Cutting, J. C. *Laboratory Manual for Psychological Research (2013). (3rd Edition.)* Sage Publishing

Important Dates

Classwork Starts	20 Aug
Last Day to add without a signature	23 Aug
Drop/Audit Fee Begins (\$10 per class)	28 Aug
\$50 Late Registration/Payment Fee	3 Sep
Last day for a refund, Pell Grant census, Last day to drop without receiving a "W" grade	9 Sep
Courses dropped for nonpayment	10 Sep
Last day to Add/Audit	13 Sep
Graduation application deadline for Fall 2013	1 Oct
Last day to DROP classes	14 Oct
Graduation application deadline for Spring 2012	1 Nov
Last day for complete withdrawal	8 Nov
Classwork ends	6 Dec
Final Exam (9:30am to 11:30 am)	11 Dec

Course Description

Required of Psychology majors. An introduction to the research process; deductive and inductive reasoning in science, the nature of theory, hypothesis testing and the use of empirical data; scientific knowledge and its applications. Naturalistic, case study, correlation, and experimental research methods in Psychology will be examined.

Combined lecture / lab. 4 credits.

Lecture/Lab: Monday—Wednesday—Friday @ 10:00 AM to 11:15 AM

Prerequisites: Prerequisites: PSY 2000; AND PSY 3000; AND Psychology Major, or Integrated Studies Emphasis in Psychology major, or instructor permission.

Course Fees: None



Succeeding in this Course

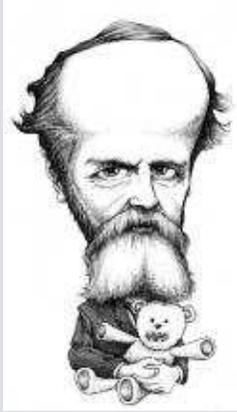
This course will move quickly and cover lots of material. Therefore, it is extremely important that you come to class and be an active participant!

The lab portion of this course will consist of discussions and activities to facilitate the understanding of concepts discussed in lecture; use of library resources and computers; collaborating with others regarding research ideas; collecting and analyzing data; and, finally, presenting your research findings to others. It is extremely important that you attend on

both lecture and lab days, and you also be an active participant.

Attendance. There is no attendance policy for this course, other than for administrative purposes. However, absences may result in lost learning opportunities which may impact your final grade. If you are absent, please see your classmates for notes, announcements, and assignments.

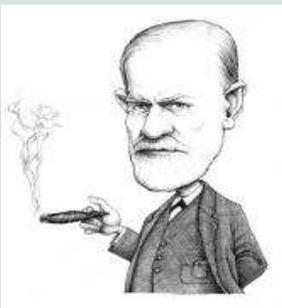




William James

"Education survives when what has been learnt has been forgotten."

- B.F. Skinner



Sigmund Freud

Social Science Program Objectives

As an outcome of taking courses in the Social Science program, students shall:

1. Demonstrate the ability to examine human behaviors in a structured and organized way as a means of understanding the human condition. Measured by examination and/or oral and written reports.
2. Demonstrate the ability to recognize the ideas, people and events that are generally thought to be important by social scientists. Measured by examination and/or oral or written reports.
3. Develop a perceptual frame of reference based on social scientific knowledge. Measured by the presence of an attitudinal frame of reference which would be expressed in written or oral activities.
4. Exhibit concepts of critical thinking and scientific methodology in examining human behavior. Measured by the presence of an attitudinal frame of reference which would be displayed in written or oral activities.

Course Objectives

The primary objective of this course is for students to demonstrate and integrate their knowledge and skills in psychological research methods. By the end of this course, students should be able to:

1. Define terminology and explain concepts fundamental to research design and methodology.
2. Apply skills in using library resources for reviewing psychological literature.
3. Understand and critically evaluate research articles
4. Perform statistical analyses utilizing SAS and interpreting the results.
5. Complete written reports of research in appropriate APA style.
6. Explain to others the details of research studies through presentation.

Academic Integrity

Dixie State University is committed to the highest standard of academic integrity. Dishonest conduct is unacceptable. Students must take all exams independently (without the help of others, except for appropriate disability services). No notes or

books are to be used when taking exams. Academic dishonesty, including cheating and/or plagiarism, may result in immediate dismissal from the course and a failing grade.



2003 Dave Coverly

Classroom Conduct

As a university college student you are expected to conduct yourself in a professional and mature fashion. Please exhibit respect for your fellow classmates and myself, by turning off cell-phones and arriving on-time. A student who infringes on the rights of others or who in any way disturbs the orderly conduct of academic functions may be subject to probation, suspension, or dismissal. Physical or verbal abuse of any

person, theft of or damage of University property, unauthorized entry to University facilities, disruption of teaching or administration, misuse of University documents, or knowingly furnishing false information to the University is grounds for such disciplinary action.

For further information regarding student responsibilities related to academic integrity and student conduct, please refer to the following DSU policies, which can be viewed at

<http://www.dixie.edu/humanres/policy/sec5/533.html>

<http://www.dixie.edu/humanres/policy/sec3/334.html>

Students with Disabilities

Students with medical, psychological, learning or other disabilities desiring reasonable academic adjustment, accommodations, or auxiliary aids to be successful in this class will need to contact the DISABILITY RESOURCE CENTER Coordinator (Baako Wahabu) for eligibility determination. Proper documentation of impairment is required in order to

receive services or accommodations. DRC is located in the North Plaza Building. Visit or call 652-7516 to schedule appointment to discuss the process. DRC Coordinator determines eligibility for and authorizes the provision of services.

“Please exhibit respect for your fellow classmates and myself, by turning off cell-phones and arriving on-time.”



Baako Wahabu



"While you are experimenting, do not remain content with the surface of things."

-Ivan Pavlov



Course Requirements and Evaluation

Group Project Assignments (10 points each)

Five homework assignments will be given in this course. Written summaries must be typed and double-spaced in 12 pt. Times New Roman font on an 8.5" X 11" page with margins set at 1 inch. **Submit your group assignment to CANVAS.** Include your group name on all pages of the documents you submit. Homework is due at the start of class. If you will not be at class, be sure to leave the homework with the Administrative Assistant (she will put the assignment in my box) on the 2nd floor of the McDonald Building before the start of class on the due date.

Descriptions of assignments are located on page 6 of the syllabus.

In-Class/Lab Workbook Exercises (5 points each)

There are several lab exercises you will complete. The exercises are due at the end of lab. Late exercises will be deducted 10% if turned in late the same day of class. Exercises are individual assignments.

Exams (50 points each)

Three exams will be administered during the course. Tests may include True-False, Multiple Choice format questions, as well as short answer questions. These tests will be relevant to what is covered in lecture and the text. You can contact the instructor during office hours to discuss test grading.

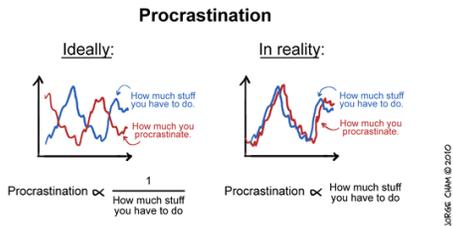
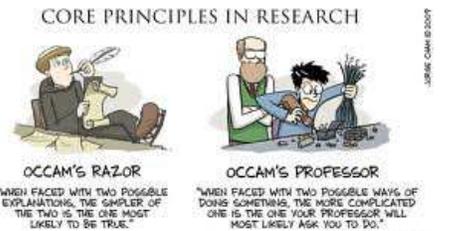
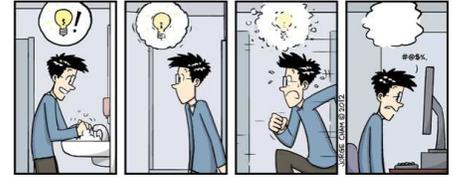
Group Poster Presentation (30 points)

Your group will create and display a poster presentation about your research paper. You should use poster board. You need to include: Introduction, Hypotheses, Method, Results, and Discussion. Aesthetic presentation and oral presentation are included in the grade.

Group Research Paper (125 points)

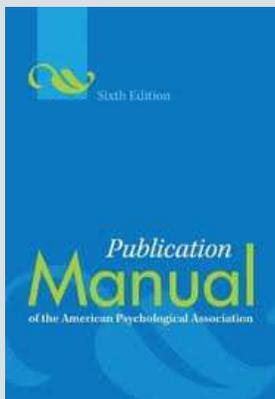
Your group will be required to submit an APA style research paper using data you have collected and analyzed in this course. Include your names on the title page of the documents you submit. **All papers MUST be uploaded to CANVAS so that they can be electronically checked for plagiarism via TurnItIn.com.** Any paper that has not been uploaded prior to the due date will receive a zero. Papers must not have more than 3% plagiarism per TurnItIn.com. Paper should be 15 pages long.

Date	Topic/Session	Assignment
8/19	Introduction, Syllabus	
8/21	Chapter 1: Ways of Knowing	
8/23	Chapter 1: Basic vs. Applied	
8/26	Chapter 2: The Literature Review	
8/28	Chapter 2: Hypotheses; Exercise 7	
8/30	Lab 1: Assign Groups; Exercises 30, 31	
9/2	NO CLASS: Holiday	
9/4	Chapter 3: Data Collection Techniques	
9/6	Chapter 3: Types of Research Designs; Exercise 10	
9/9	Lab 2: Exercise 3	Exercise 33
9/11	Chapter 4: IVs & DVs; Exercise 9	
9/13	Chapter 4: Measurement Issues	
9/16	Lab 3: Exercises 11, 26	
9/18	Exam 1: Chapters 1-4	Annotated Bibliography (10 references)
9/20	Chapter 5: Ethics	
9/23	Chapter 8: Reporting Research; Exercise 18; IRB Forms	
9/25	Lab 4: Exercises 15	
9/27	Chapter 6: Populations and Samples	
9/30	Chapter 6: Probability Sampling; Exercise 19	
10/2	Chapter 7: Descriptive Statistics; Exercise 20	
10/4	Chapter 7: Inferential Statistics	
10/7	Lab 5: Exercises 21, 22, 23	
10/9	Chapter 9: Why Conduct Surveys?	Register for SAS OnDemand Course
10/11	NO CLASS: Semester Break	
10/14	Chapter 9: Writing Good Surveys	
10/16	Exam 2: Chapters 5, 6, 7, 9	
10/18	Chapter 10: Designing Correlational Studies	
10/21	Chapter 10: Common Issues with Correlational Studies	
10/23	Chapter 11: Designing Experiments	
10/25	Chapter 11: Conducting Experiments	
10/28	Chapter 11: Factorial Designs	
10/30	Chapter 12: Quasi-Experimental Designs	
11/1	Lab 6: Identifying methods for your paper: Exercise 34	
11/4	Lab 7: Creating your survey/experiment	
11/6	Lab 8: Creating your survey/experiment cont'd	
11/8	Chapter 13: Specialized Designs; Exercise 29	
11/11	Exam 3: Chapters 10-13	Intro and Method Section Due Survey/Protocol Due
11/13	Lab 8: Data Collection	
11/15	Lab 9: Data Collection cont'd	
11/18	Lab 10: Data Analysis; Results	Data Due
11/20	Lab 11: Data Analysis; Results cont'd	
11/22	Lab 12: Tables/Graphs/	
11/25	Lab 13: Discussion Section	Results/Table/ Figure Due
11/27-29	NO CLASS: Holiday	
12/2	Lab 14: Discussion Section cont'd	
12/4	Lab 15: Paper Finishing Touches	
12/6	Lab 16: Paper Finishing Touches	
12/11	Research Poster Presentations—9:30am to 11:30am	Research Paper Due





"Project papers must follow the guidelines as set forth in the APA Publication Manual. "



Assignment Descriptions

Assignment 1: Complete Exercise 33 in the Lab Manual.

Assignment 2: Submit an annotated bibliography for 10 references pertaining to your research topic. All references must be in APA style. Each annotation should be a summary paragraph that is at least 5 sentences long. **Submit to CANVAS.**

Assignment 3: Submit the introduction, hypotheses, and method section of your paper. It must be in APA style. **Submit to CANVAS.**

Assignment 4: Submit a copy of your survey or protocol for your experiment. You must also submit a 1 page summary about how the survey or experiment will address your hypotheses. **Submit to CANVAS.**

Assignment 5: Submit a copy of the data you collected in class. **Submit to CANVAS.**

Assignment 6: Submit a copy of your APA style results section as well as a table and figure. **Submit to CANVAS.**

Final Project Paper Grading Rubric

All papers must follow the guidelines as set forth in the APA Publication Manual. Papers must include a cover page, abstract and references. **Total of 125 points possible.**

Title Page (10points)

Title page is typed in proper sized font with the student's name, affiliation centered on the page. Appropriate Running Head and page numbers are present.

Abstract (10 points)

No more than 200 words, with proper formatting (e.g. not indented). Follows guidelines on p. 26 of blue APA book

Introduction (25 points)

All paragraphs are coherent and lead reader to the hypothesis (i.e., hourglass approach). Information is synthesized and well integrated/organized for the reader. Hypothesis is stated clearly. Each paragraph includes a citation and said citations are properly formatted and placed. Minimum of four pages in length, but no longer than 5 pages in length. Appropriate font is used throughout text and appropriate use of quotes.

Method (10 points)

Section includes all major subsections including a description of participants, the primary research design, any measures used, and the general procedures used.

Results (10 points)

Hypothesis are restated for the reader and results are coherent and are appropriate for the hypothesis as stated. State if results are statistically significant

Discussion (20 points)

Includes a brief, non-technical summary of the results and whether hypotheses were supported. Addresses the theoretical and practical implications of the results. Describes any limitations in the study and the implications on the interpretation of the results. Concluding paragraph is present with suggestions for follow up study.

References (10 points) -At least 10 are present and are properly formatted.

Table displaying demographic characteristics (10 points) -APA style

APA style Figure displaying results (10 points) -APA style

Appendix (10 points) -Copy of survey or materials used for experiment is present.

Late Work and Make-Up Policy

Exams, and In-class assignments cannot be made up or be submitted at a date/time past the assigned due date. Please arrange your schedule so that you are able to complete all course requirements on the designated time. If you know you will be out of class, you need to make arrangements to turn in your assignments before the scheduled due date. Any homework assignments that are submitted late will be penalized 20% for each calendar day it is late.

Policies for Absences Due to College Related Functions. For students, such as student athletes, who travel as official representatives of the college, absences due to college functions will not negatively affect the student's grade. The student is required to provide the instructor with a schedule of days that will be missed and will be required to negotiate any scheduled work ahead of time with the instructor.

Grading

Total Points in Course = 445

Exams = 150 Points
Lab Exercises = 90 Points
Homework Assignments = 50 Points
Research Paper= 125 Points
Final Poster Presentation = 30

Percentage (%) Letter Grade

100-93 = A	76-73 = C
92-90 = A-	72-70 = C-
89-87 = B+	69-67 = D+
86-83 = B	66-63 = D
82-80 = B-	62-60 = D-
79-77 = C+	Less than 60 = F

Social & Behavioral Sciences Department

McDonald Building
225 South 700 East
St. George Utah 84790

If you need to contact us
please call
(435) 879-4221
or fax us at
(435) 656-4032.



Campus Resources

Disability Resource Center - dixie.edu/drcenter
IT Student Help Desk - dixie.edu/helpdesk
Library - library.dixie.edu
Testing Center - dixie.edu/testing
Tutoring Center - dixie.edu/tutoring
Writing Center - dixie.edu/english/dsc_writing_center.php

Dmail

You are required to frequently check your Dmail account. Important class and university information will be sent to your Dmail account, including DSU bills, financial aid/scholarship notices, notices of cancelled classes, reminders of important dates and deadlines, and other information critical to your success at DSU and in your courses. To access your Dmail account, visit go.dixie.edu/dmail. If you do not know your Dmail username or you have forgotten your PIN, visit go.dixie.edu/mydixie and follow the respective instructions.