**Research Methods** (PSY 203-01 and 203-02)

**Fall 2017**

**Lecture: NF 333** both sections = Monday 9:00-10:50 am

**Lab: NF 370** PSY 203-01 **=** Wednesday 9:00-10:50 am

PSY 203-02 **=** Friday 9:00-10:50 am

**Instructor:** Daren Kaiser

**Office:**  380F Neff

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**Office hours:**  8:00-8:50 MWF

or by appointment

**Required Book:** Bordens, K., S. & Abbott, B. B. (2018). *Research Design and Methods: A Process*

*Approach (10th ed.)*. New York: McGraw Hill

**Suggested Book**: American Psychological Association (2010). *Publication Manual of the*

*American Psychological Association (6th ed.).*  Washington D.C.:

Author.

**Course Description:** This course involves the study of how the scientific method is implemented in psychological research. The course will cover scientific methodology in general, and will also cover the how science is used in psychology specifically. Students will learn to understand and evaluate research materials. Additionally, students will learn how to conduct, analyze, and present research material in an empirical report that conforms to the standards of the American Psychological Association. The class is divided into a lecture and a laboratory component. The lectures will focus around designated chapters from the text, as well as material that expands on those topics. The laboratory component will involve learning to conduct research to test specific hypotheses, and how to present that research in empirical papers.

**Point Breakdown:** There will be a total of 650 points possible to earn in this course. 300 of these points will come from the lecture portion of the class, and 350 of these points will come from the laboratory portion of the class. There will also be numerous additional assignments during lectures and lab. Although these assignments will not be technically “graded” if they are not completed there will be a penalty. Any missing assignment (in-class or take home) will result in a deduction of 35 points each (5% of your overall grade).

**Lecture:** Exam 1 100 pts

Exam 2 100 pts

Exam 3 100 pts

**Laboratory:** Quiz on APA Style 40 pts

Content analysis paper 60 pts

Survey paper 100 pts

Experiment paper 100 pts

Presentation 50 pts

**Lecture Attendance:** You should always try to attend class, since it will benefit you greatly in terms of performance on tests and writing assignments. Presentation material that is missed due to an absence becomes the student's responsibility to obtain. Unexcused absences on days of exams will result in zero points achieved for that particular exam.

**Laboratory Attendance:** Research skills can only be acquired through participation in laboratory assignments, design and analysis of projects, and writing exercises. Also, much of the work in lab will be done in groups, and missing puts undue strain on the rest of the members of that group. Therefore, **attendance at labs is required**. You will be allowed one lab absence that will not affect your lab participation grade. Each absence beyond the first will result in a deduction of 35 points from the point total you have accumulated (5% of your overall grade). Also, as mentioned above, any missing assignment (in-class or take home) will result in a deduction of 35 points each (5% of your overall grade). You should make every effort possible to **never miss lab**.

**Course Grading:** Your course grade will depend on the total amount of points you accumulate during the semester (minus any deductions for missed labs or assignments) divided by the total amount of points possible (650).

89.5%-100% = A

79.5%-89.4% = B

69.5%-79.4% = C

59.5%-69.4% = D

0%-59.4% = F

**General Information:** If you have a disability or acquire one, contact Services for Students with Disabilities (Walb 113, 481-6657) for the services and accommodations that are available at IPFW.

CASA (Center for Academic Support and Advancement), KT G21

Writing Center, KT G19

Dean of Students Office, Walb 111

Multicultural Services, Walb 118

Academic Counseling and Career Services (ACCS), KT 109

**Tentative Lecture Schedule – Mondays .**

Aug 21 Introduction , syllabus, ways of knowing chapter 1

Aug 28 Non experimental designs chapters 8 + 9

*Sept 4 No Class*

Sept 11 Correlational designs chapter 4

Sept 18 Quasi experimental designs chapter 11

**Sept 25**  **Exam 1**

Oct 2 Ethics: Informed consent, deception, debriefing etc. chapter 7

Oct 9 *No Class*

Oct 16 The basics of experimentation chapters 4 + 5

Oct 23 The basics of experimentation chapters 4 + 5

Oct 30 Between subjects designs chapter 10

**Nov 6** **Exam 2**

Nov 13 Between subjects factorial designs chapter 10

Nov 20 Between subjects factorial designs chapter 10

Nov 27 within subjects designs chapter 10

Dec 4 Small N + Controlling Extraneous variables chapters 12, 5 and 6

**Dec 11 Exam 3 = During Final Exam period** (Monday) 8:00-9:50 am

**Tentative Lab Schedule - Wednesdays and Fridays**  **Due Dates for Assignments**

LAB 1 - Aug 23 and 25 APA style lecture

LAB 2 – Aug 30 and Sept 1 Content analysis article must be read **Quiz on APA Style**

prior to class and brought to lab

LAB 3 - Sept 6 and 8 content analysis project

LAB 4 - Sept 13 and 15 content analysis project

LAB 5 - Sept 20 and 22 content analysis project

LAB 6 – Sept 27 and 29 Survey Project **Content Analysis paper due**

LAB 7 - Oct 4 and 6 Survey Project

LAB 8 - Oct 11 and 13 Survey Project

LAB 9 - Oct 18 and 20 Survey Project

LAB 10 - Oct 25 and 27 Experiment Project **Survey paper due**

LAB 11 – Nov 1 and 3 Experiment Project

LAB 12 - Nov 8 and 10 Experiment Project

LAB 13 - Nov 15 and 17 Experiment Project

Nov 22 and 24 *No Class*

LAB 14 – Nov 29 and Dec 1 Experiment Project

LAB 15 - Dec 6 and 8 Presentations **Experimental Paper Due**