Minnesota State University Moorhead

PSY 330: Experimental Methods

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 3

Lab Hours/Week: *.*

OJT Hours/Week: *.*

Prerequisites:
This course requires the following prerequisite
PSY 230 - Statistics for the Behavioral Sciences

Corequisites: None

MnTC Goals: None

Course emphasizing report writing (APA editorial style), and research methodology, and application of statistics.

B. COURSE EFFECTIVE DATES: 01/14/2013 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Overview of the research process and the importance of psychological research
2. Developing a good research idea
3. Conducting an ethical project
4. Qualitative research methods
5. Nonexperimental research designs, such as correlational, descriptive, and survey research
6. True experimental and quasi-experimental designs
7. Defining and controlling variables
8. Internal and external validity
9. Designing and conducting basic two-group experiments
10. Designing and conducting factorial experiments
11. Writing and assembling an APA-format research proposal
12. Preparing and delivering a professional verbal research presentation

D. LEARNING OUTCOMES (General)

1. Understand and apply basic research methods in psychology, including research design, data analysis, and interpretation.
2. Read and review psychological research more critically.
3. Become aware of ethical concerns and guidelines regarding the use of human and animal participants in research.
4. Write a coherent literature review.
5. Plan an experiment to investigate a specific question using scientific methods
6. Demonstrate information competence and the ability to use computers and other technology for many purposes.
7. Present scientific information effectively in both written and verbal formats.
8. Incorporate technology into research presentations.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted