

Anoka-Ramsey Community College

PSYC 2110: Introduction to Research Methods

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 3

Lab Hours/Week: *.*

OJT Hours/Week: *.*

Prerequisites:

This course requires either of these prerequisites

PSYC 1110 - General Psychology (Minimum grade: 2.0 GPA Equivalent)

A score of 3 on test Advanced Placement Psychology

Corequisites: None

MnTC Goals: Goal 02 - Critical Thinking, Goal 05 - Hist/Soc/Behav Sci

(MnTC Goals 2 and 5)

Prerequisites: PSYC 1110 with a grade of C or better

Recommended Skills, Abilities, or Coursework: MATH 1110

This course is an introduction to the design, implementation, analysis, and presentation of research in psychology. Students will be actively engaged in designing their own research as well as evaluating research published in the field. Students will also develop skills in using statistics and APA style for analyzing data and communicating results. Math 1110 recommended as a pre or co-requisite.

B. COURSE EFFECTIVE DATES: 04/08/2016 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Scientific and critical thinking
2. Hypothesis development and testing
3. Ethical principles for conducting research in psychology
4. Descriptive and inferential statistics
5. Measurement issues
6. Observational methods
7. Survey methods
8. Correlation
9. Within- and between-subjects experiments
10. Communicating research through APA style

D. LEARNING OUTCOMES (General)

1. Describe the basic characteristics of the science of psychology, including theory development, hypothesis testing, operationalization, and sampling
2. Evaluate the appropriateness of specific research methods for testing different types of research questions, particularly cause-effect hypotheses
3. Demonstrate an understanding of basic principles of statistical interpretation, including statistical significance, confidence intervals, and effect size
4. Evaluate the internal and external validity of both published research in psychology and one's own research designs
5. Recognize the role of theoretical and sociocultural contexts and personal biases on the development of research questions and execution of research studies
6. Demonstrate an understanding of the potential influence of values and biases in how research is conducted, presented, and evaluated
7. Demonstrate an understanding of the importance of ethical principles in the design, execution, interpretation, and presentation of psychological research
8. In collaboration with instructor-supervised research team, design, conduct, and present one's own research projects in written and visual forms following basic APA style

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

Goal 02 - Critical Thinking

1. Gather factual information and apply it to a given problem in a manner that is relevant, clear, comprehensive, and conscious of possible bias in the information selected.
2. Imagine and seek out a variety of possible goals, assumptions, interpretations, or perspectives which can give alternative meanings or solutions to given situations or problems.
3. Analyze the logical connections among the facts, goals, and implicit assumptions relevant to a problem or claim; generate and evaluate implications that follow from them.
4. Recognize and articulate the value assumptions which underlie and affect decisions, interpretations, analyses, and evaluations made by ourselves and others.

Goal 05 - Hist/Soc/Behav Sci

1. Employ the methods and data that historians and social and behavioral scientists use to investigate the human condition.
2. Use and critique alternative explanatory systems or theories.
3. Develop and communicate alternative explanations or solutions for contemporary social issues.

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted