**MOHAWK VALLEY COMMUNITY COLLEGE**

**Utica & Rome, New York**

**Course Outline**

# PY210 - Research Design for Behavioral Science C-3, Cr-3

**Catalog Description:**

This course examines research methodology in the behavioral sciences including observational and recording methods, the evaluation of performance (psychometrics), and quasi-experimental research. Emphasis is placed upon the application of the methodologies to research designs and the interpretation of psychological reports.

Prerequisite: PY101- Introduction to General Psychology

**Student Learning Objectives**

The student will be able to:

1. apply scientific method to psychological domains
2. compare and contrast research methodology and terminology.
3. apply ethical standards to research situations.
4. compare and contrast sections of a peer reviewed research article.
5. apply observational/recording methods in a realistic setting.
6. identify and evaluate characteristics of performance tests.
7. compare and contrast research designs.
8. select and evaluate research related to the field of psychology.
9. identify the purpose and construction of questionnaires/surveys to meet research intent.

| **Topics** |
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| Introduction to Scientific Research |
| Ways of increasing Scientific knowledge |
| Inductive reasoning for research |
| Measurement in Psychological research |
| Variables impacting outcomes |
| Non-experimental Research Designs |
| Experimental Design in Psychological Research |
| Correlation in Psychological Research |
| Choosing a research design |
| Review of statistical concepts |
| Writing research methods and results |