

SEQUENCE OF TOPICS:

1. Introduction to the Course: Introduction to the Assumptions of the Scientific Method and Its Application to the Understanding of Human Behavior and Experience
2. The Descriptive Methods: Their Uses, Advantages, Limitations, and Interpretation
3. The Experimental Method: Its Uses, Advantages, Limitations, and Applications
4. Formulating Research Hypotheses: Review of the Literature, Creating a Testable Hypothesis, the Issue of Measurement
5. Ethical Guidelines and Considerations in the Study of Human and Animal Behavior; the American Psychological Association Guidelines; the Role of the IRB
6. Presentation of Research Findings: the Structure of Research Article/Report; APA Format
7. Description of Behavior through Numerical Representation: Scales of Measurement, Pictorial Representations of Data, Standard Scores
8. The Use of Inferential Statistics in Hypothesis Testing
9. Internal and External Validity: How to Maintain Control in an Experimental Design
10. Between-Subjects Designs in Experimental Research
11. Within-Subjects Designs in Experimental Research
12. Quasi-Experimental Designs and When to Use Them
13. Single-Subject Designs: The Case Study and Beyond
14. Questionnaires and Survey Research: Construction and Sampling Issues

LEARNING MATERIALS:

Primary Text:

Research Design and Methods, 11th Ed. (2021). Bordens, K. , Abbott, B. and Barrington, B., McGraw Hill.

To fulfill the requirements of this course, students will need access to SPSSx for statistical analysis, as will the instructor.

Other learning materials may be required and made available directly to the student and/or via the College's Libraries and/or course management system.

COURSE APPROVAL:

Prepared by: Ann Marie Donohue	Date: 3/2012
VPAA/Provost or designee Compliance Verification: Victoria L. Bastecki-Perez, Ed.D.	Date: 5/21/2012
Revised by: Ann Marie Donohue	Date: 3/31/2013
VPAA/Provost or designee Compliance Verification: Victoria L. Bastecki-Perez, Ed.D.	Date: 4/8/2013
Revised by: Ann Marie Donohue	Date: 2/26/2018
VPAA/Provost or designee Compliance Verification: Victoria L. Bastecki-Perez, Ed.D.	Date: 2/27/2018

Revised by: Ann Marie Donohue
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Date: 9/7/2023