



UNIVERSITY OF EDUCATION, WINNEBA
DEPARTMENT OF HPERs
2007/ 2008 (First Semester)

Course Code: EDP 351
Course Title: Research Methods
No. of Credit: Two (2)
Meetings: Mon. 1:30pm - 3:30pm
Instructor: Jonathan Ammah, Ph. D.
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Rationale and Description

Provides for study and experience to help students develop appropriate research techniques to understand research process and the elements of research propels in order to use a scientific approach to formulate research problem, interpret and apply results using ideas from current educational research literature.

Course Objectives

Upon the completion of this course, the student will be able to

1. Define Research process and ends sought
2. Discuss the characteristics of research
3. List and describe the chapters and subsections of a research proposal and a research report and their proper order
4. Describe factors to consider in choosing a problem
5. List and define the types of independent variables
6. Discuss the testing of hypothesis
7. Describe the types of research and their characteristics

Class Session

Lectures, discussions and class activities will be used to achieve the stated objectives.

Examinations

Students will be assessed periodically in the course of the semester. In addition to continuous assessment, there will be an End of Semester examination. Students who fail to do their assignments or show up for examinations shall not be allowed to make up, except on medical grounds with a medical report from a recognized physician.

Attendance

Attendance will be checked before the start of each session. Students are expected to attend all class sessions. Students will be allowed only two absences during the period. Subsequent absences shall attract a point deduction from total points made in course work.

Tardiness

Lateness to lectures will not be tolerated. Students who are late twice for lectures will be counted as absent once.

Evaluation Procedures

Continuous Assessment (Quizzes, Presentation, Assignments etc)40%
End of Semester Exam.....60%

Grading

A	=	80 - 100
B+	=	79 - 75
B	=	74 - 70
C+	=	69 - 65
C	=	64 - 60
D+	=	59 - 55
D	=	54 - 50
E	=	49 - Below

Academic Dishonesty

Academic dishonesty will not be allowed. Any form of academic misconduct (cheating etc) will not be tolerated. All cases of confirmed or suspected academic dishonesty will be referred to the Academic Board.

Units

1. Introduction to Research

- What is research?
- Purpose of research
- Characteristics of research

2. Types of research

Classification according to purpose

- Basic and Applied Research
- Action Research
- Evaluation

Classification according to Methods

- Historical
- Descriptive Research
- Correlational Research
- Causal-comparative Research
- Experimental Research

3. Approaches to Research

Qualitative and Quantitative

4. Identifying the research problem

- Problem identification
- Factors to consider in choosing a research problem
- Characteristics of a research problem

- Sources of research problems
- Formulation of research problem

5. Conducting Action Research

- Designing and implementing action research in schools

6. Literature Review

- What is literature review?
- Theoretical and Empirical Literature Review
- Purpose of Literature Review
- Sources of Literature for research
- How to review literature
- Ethics of literature review (Plagiarism)
- Referencing

7. Methods of Data Collection

- Population (target and accessible)
- Sampling technique (probability and non probability)
- Data Collection instruments
 - Questionnaire
 - Interview
 - Observation
- Data collection procedure
- Data analyzing procedure

8. Writing the research proposal

- Introduction / Background to the study
- Statement of the problem
- Purpose / Objective(s) of the study
- Research Questions
- Literature Review
- Methodology
- Formulation of Hypothesis / Assumptions
- Delimitation of the study

9. Research Report Writing

- Dos and Dents
- Front cover design
- Page numbering
- Headings and Subheadings
- Bibliography / referencing

Reference

Ary, D., Jacobs, L., & Razavieh, A. (1996). Introduction to research in education (Fifth Edition). New York: Holt, Reinhort and Winson

Thomas, J. R., & Nelson, J. K. (1990). *Research methods in physical activity* (Second Edition). Champaign, IL: Human Kinetics.