



**1<sup>ST</sup> SEM. 2005/2006**

**PAGE 1 OF 3**

**UNIVERSITY OF SWAZILAND**

**MAIN EXAMINATION PAPER**

**PROGRAMME: BSC. IN AGRICULTURAL EDUCATION YEAR IV  
BSC. IN HOME ECONOMICS EDUCATION YEAR IV  
BSC. IN HOME ECONOMICS YEAR IV**

**COURSE CODE:        AEE 401**

**TITLE OF PAPER:     EDUCATIONAL RESEARCH METHODS**

**TIME ALLOWED:     TWO (2) HOURS**

**INSTRUCTION:       ANSWER ALL QUESTIONS**

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BY THE CHIEF INVIGILATOR**

**QUESTION 1**

a. Diagram the “Research Continuum” indicating Purposes, Types of Research, and Terms for Variables in the appropriate part of the Continuum.

[9 marks]

b. Differentiate the following pairs of terminologies:

i. Justification versus Problem Statement

ii. Objectives versus Hypotheses

iii. Definition of Terms versus Basic Assumptions

iv. Limitations of the Study versus Scope

[16 marks]

[Total marks: 25]

**QUESTION 2**

a. Given the research topic:

“Success and Competence in Agricultural Business Enterprises by Retired Military Officers”, what observations do you have in terms of:

i. Number and completeness of thought in wording;

ii. Showing the independent and dependent variable(s);

iii. Showing the relationship between independent and dependent variable(s);

iv. X and Y positioning in the topic; and,

v. Population specification.

[13 marks]

b. Using the topic in QUESTION 2 a. above, suggest 6 descriptors or key words (single-word or combination-words) that may be used to browse electronically or by subject reference in the library.

[12 marks]

**QUESTION 3**

**Contrast the following aspects of Methodology chapter of a Research Proposal:**

- i. Research Method versus Research Design**
- ii. Frame of Study versus Available List of Subjects**
- iii. Population versus Sample**
- iv. Representative sample versus Accessible sample**
- v. Objective Selection versus Selection Bias**
- vi. Valid instrument versus Reliable instrument**
- vii. Non-response versus Nonsense data**

**[25 marks]**

**QUESTION 4**

**Explain what should be written in each of these subsections of a research project report:**

- i. Data analysis and organisation**
- ii. Discussions**
- iii. Conclusions**
- iv. Recommendation**
- v. Educational Importance**

**[25 marks]**