



**UNIVERSITY OF SWAZILAND**

**2nd SEM. 2016/2017**

**MAIN EXAMINATION PAPER**

**PROGRAMMES: BSc ANIMAL SCIENCE YEAR 3**  
**BSc ANIMAL SCIENCE (DAIRY OPTION)**  
**YEAR 3**

**COURSE CODE: AS 308**

**TITLE OF PAPER: RESEARCH METHODS**

**TIME ALLOWED: TWO (2) HOURS**

**INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS**

**DO NOT OPEN THIS PAPER UNTIL PERMISSION HAS BEEN  
GRANTED BY THE CHIEF INVIGILATOR**

**Question 1**

Give a comprehensive definition of Research and list the characteristics of the major research methods that you have studied.

(25Marks)

**Question 2**

(a) What are the roles statistics play in research?

(5Marks)

(b) Complete the table below with appropriate example of abuse and correct statistical techniques for each of the research case given.

Issue	Data analysis techniques	
	Example of abuse	Correct technique
Measure the “influence” of a variable on another		
Finding the “relationship” between one variable with another		
To evaluate whether a model fits data better than the other		
To evaluate accuracy of “prediction”		
“Compare” whether a group is different from another		

(20Marks)

**Question 3**

Make clear comparison between quantitative and qualitative research.

(25Marks)