



**UNIVERSITY OF SWAZILAND
2nd SEM. 2014/2015
FINAL EXAMINATION PAPER**

PROGRAMME: BACHELOR OF SCIENCE IN
ANIMAL SCIENCE YEAR 4 AND
BACHELOR OF SCIENCE IN
ANIMAL SCIENCE (DAIRY OPTION)
YEAR 4

COURSE CODE: AS 406

TITLE OF PAPER: LIVESTOCK AND THE ENVIRONMENT

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS, AT
LEAST ONE(1) QUESTION FROM EACH
SECTION

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

SECTION A

QUESTION 1

Describe the mitigation and adaptation strategies to climate change that can be used by the livestock sector. (25 Marks)

QUESTION 2

Describe the characteristics of livestock industrial systems and their impacts on the environment. (25 Marks)

QUESTION 3

Discuss the livestock sector's role in water depletion and pollution. (25 Marks)

SECTION B

QUESTION 4

Discuss five points how livestock production can result in biodiversity losses. (25 Marks)

QUESTION 5

List and explain five national biodiversity strategies that may impact on livestock production. (25 Marks)

QUESTION 6

Discuss the production of the two major greenhouse gases by livestock in Swaziland and explain two mitigation strategies that can be employed.