



1ST SEM. 2020/2021

PAGE 1 OF 2

UNIVERSITY OF ESWATINI

SPECIAL PAPER

PROGRAMME: **BSC. IN AGRICULTURAL EDUCATION YEAR III**
BSC. IN AGRICULTURAL ECONOMICS AND
AGRIBUSINESS MANAGEMENT YEAR II
BSC. IN AGRICULTURAL EXTENSION YEAR IV

COURSE CODE: **ASC209**

TITLE OF PAPER: RUMINANT ANIMAL PRODUCTION

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: **ANSWER FOUR (4) QUESTIONS, WITH**
ATLEAST ONE (1) QUESTION FROM EACH
SECTION.

EACH SECTION SHOULD BE IN A SEPARATE
BOOKLET

SECTION A: BEEF PRODUCTION**QUESTION 1**

Discuss how the development of the livestock industry could be improved and modernized in Eswatini.

[25 Marks]

QUESTION 2

Using appropriate and relevant examples, explain each of the following specific practical objectives:

- i. The importance of sampling in beef production. [5 Marks]
- ii. How and where to take the different samples from livestock for laboratory tests. [10 Marks]
- iii. How to take the body temperature of farm animals. [5 Marks]
- iv. How and where to correctly inject sick cattle. [5 Marks]

SECTION B: GOAT AND SHEEP**QUESTION 3**

List and discuss five (5) factors affecting age at puberty in goats and sheep.

[25 Marks]

QUESTION 4

Discuss the constraints of goat and sheep production in Eswatini.

[25 Marks]

SECTION C: DAIRY**QUESTION 5**

Identify and discuss five (5) factors that affect milk yield and composition.

[25 Marks]

QUESTION 6

Describe the three major farming systems used in dairy production,

including the advantages and disadvantages of each system.

[25 Marks]