



**2<sup>ND</sup> SEM 2010/2011**

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**UNIVERSITY OF SWAZILAND  
FINAL EXAMINATION PAPER**

**PROGRAMME: BACHELOR OF SCIENCE DEGREE IN AGRONOMY  
YEAR 4.**

**COURSE CODE: CP 405**

**TITLE OF PAPER: BIOFUEL CROP PRODUCTION**

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

**INSTRUCTIONS: ANSWER QUESTIONS 1 AND 2, WHICH ARE  
COMPULSORY QUESTIONS, AND ANY OTHER 2  
QUESTIONS.**

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

**QUESTION 1**

**This is a compulsory question**

Discuss the opportunities and challenges for biofuel production and use in Swaziland.

**(28 Marks)**

**QUESTION 2**

**This is also a compulsory question**

Write briefly on the following. Each question carries seven points.

- (a) Kyoto protocol.
- (b) Primary and secondary feedstocks.
- (c) Carbon credits and trade in carbon credits.
- (d) Ethanol production in Swaziland.

**(28 Marks)**

**QUESTION 3**

Agriculture is both a culprit as well as a victim of global warming. Discuss the above statement.

**(22 Marks)**

**QUESTION 4**

Explain why there has been renewed interest in biofuel production around the globe.

**(22 Marks)**

**QUESTION 5**

Discuss the potential for the use of cassava for ethanol production in Swaziland.

**(22 Marks)**