



**A F R I C A
U N I V E R S I T Y**

***(A United Methodist-Related Institution)
INVESTING IN AFRICA'S FUTURE***

FACULTY OF EDUCATION

**FIRST SESSION 2011 SUPPLEMENTARY EXAMINATION QUESTION
PAPER**

COURSE CODE	HES 221
COURSE TITLE	Introduction to Earth's Environments
GROUP	PGDE GROUP 1
EXAMINER	Mr. G. R. Chimonyo
DATE	December, 2011
DURATION	3 Hours
INSTRUCTIONS	ANSWER THREE QUESTIONS

1. "The drainage basin is a perfect example of an open system." Discuss.

2. Examine the role of the gaseous constituents of the atmosphere in the energy balance of the Earth-Atmospheric System.
3. Assess the impact of human activities on the drainage basin hydrological cycle.
4. Compare and contrast the theory of slope development by Davis and that proposed by Penck.
5. "The soil system is a dynamic rather than a lifeless system." Elaborate this statement in relation to the soil formation process.
6. Give an explanation of the thermal structure of the atmosphere.