



**A F R I C A**  
**UNIVERSITY**

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

***FACULTY OF EDUCATION***

**SECOND SESSION 2014 MAIN EXAMINATION QUESTION PAPER**

<b>COURSE CODE</b>	<b>HES 310</b>
<b>COURSE TITLE</b>	<b>ADVANCED STUDIES IN GEOMORPHOLOGY AND SOIL GEOGRAPHY</b>
<b>GROUP</b>	
<b>EXAMINER</b>	<b>Mr. G. R. Chimonyo</b>
<b>DATE</b>	<b>AUGUST 2014</b>
<b>DURATION</b>	<b>3 Hours</b>
<b>INSTRUCTIONS</b>	<ol style="list-style-type: none"><li><b>1. Answer ONE question from Section A and ONE question from Section B</b></li><li><b>2. Choose the THIRD question from EITHER Section A OR from Section B</b></li><li><b>3. Each question is marked out of 20 marks</b></li></ol>

## **SECTION A: GEOMORPHOLGY**

1. Give an appraisal of the Davisian cycle of erosion.
2. Provide your understanding of the theory of Plate Tectonics giving examples of landforms that are associated with the three types of movement of tectonic plates.
3. Examine any four landforms that are the result of volcanic eruption.
4. Compare and contrast theory of landform formation that was proposed by Walter Penck and the theory that was put forward by Lester King.

## **SECTION B: SOIL GEOGRAPHY**

5. Explain the importance of climate in the soil formation process.
6. Give an appraisal of soil properties that are related to topography.
7. Explain the soil horizon designation system that was developed by the United States Soil Survey Staff in 1975.
8. Examine what is meant by soil consistence.