



**MACHAKOS UNIVERSITY**  
**SCHOOL OF AGRICULTURE, ENVIRONMENT AND AGRICULTURAL SCIENCES**  
**DEPARTMENT OF ENVIRONMENTAL SCIENCES**

**ESU 211: INTRODUCTION TO REMOTE SENSING AND GEOGRAPHIC**  
**INFORMATION SYSTEMS**

**ASSIGNMENT**

**Should be submitted on or before 27<sup>th</sup> November 2023**

- i. Discuss how remote sensing and GIS can be used to assess land degradation (10 marks)
- ii. Discuss the role of remote sensing and GIS in achievement of sustainable development (10 marks)
- iii. Discuss the main challenges in adoption of GIS and remote sensing in management of natural resources in Kenya (10 marks)