



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF SPATIAL PLANNING AND NATURAL RESOURCE MANAGEMENT
UNIVERSITY EXAMINATION FOR DEGREE OF MASTER OF SCIENCE IN URBAN
ENVIRONMENTAL PLANING AND MANAGEMENT
1ST YEAR 1ST SEMESTER 2013/2014 ACADEMIC YEAR
KISII LEARNING CENTRE**

COURSE CODE: NES 803

COURSE TITLE: SUSTAINANBLE URBAN LAND USE PLANNING

EXAM VENUE: LR 10

STREAM: (MASpatial Planning)

DATE: 17/04/14

EXAM SESSION: 2.00 – 5.00 PM

TIME: 3.00 HOURS

Instructions:

- 1. Answer question 1(Compulsory) and ANY other 2 questions**
- 2. Candidates are advised not to write on the question paper.**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.**

Q1. With the aid of examples, discuss the role of land use planning in urban environmental sustainability goal attainment. (20 marks)

Q2. Assume that you have been appointed the County Director of Physical Planning in Kisii County. What challenges are you likely to be confronted with in your effort to complete strategic integrated development plans (SIUDPs) for all urban areas in the county and how will you address them? (20 marks)

Q3. Explain the following urban land use planning concepts with the help of relevant examples

a) Fair city (5 marks)

b) Urban containment (5 marks)

c) Mixed land use (5 marks)

d) Dense city (5 marks)

Q4. Explain the role of environmental infrastructure in promoting sustainable urban development (20 marks)

Q5 Explain the major barriers to rapid and widespread use of green energy sources in urban areas of Kenya. (20 marks)