



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2015/2016

**FIRST YEAR SECOND SEMESTER EXAMINATIONS FOR THE
DEGREE OF MASTER OF SCIENCE IN ENVIRONMENTAL
SCIENCE**

CITY CAMPUS

NES 812: SOLID WASTE MANAGEMENT

Date: 22nd April, 2016

Time: 2.00 - 5.00pm

INSTRUCTIONS:

- Answer ANY FOUR Questions.

- Q1. Discuss factors that must be considered in the design of a solid waste management (SWM) system. [15 Marks]
- Q2. (a) What do you understand by citizen's participation in SWM? [5 Marks]
- (b) Discuss the emerging approaches to citizen's participation in solid waste management. [10 Marks]
- Q3. (a) Describe an engineered landfill site. [9 Marks]
- (b) Explain some of the limitations of such a site. [6 Marks]
- Q4. Describe the major health hazards associated with solid waste. [15 Marks]
- Q5. Discuss methods for electronic waste (e-waste) management. [15 Marks]
- Q6. Examine "Pyrolysis" as a method of solid waste disposal giving its limitations. [15 Marks]