



MASENO UNIVERSITY

UNIVERSITY EXAMINATIONS 2013/2014

**FOURTH YEAR FIRST SEMESTER EXAMINATIONS FOR THE
DEGREE OF BACHELOR OF ARTS IN DESIGN (INTERIOR
DESIGN) WITH INFORMATION TECHNOLOGY
(MAIN CAMPUS)**

ADI 401: DESIGN OF ENABLING ENVIRONMENTS

Date: 25th November, 2013

Time: 11.00 a.m. - 1.00 p.m.

INSTRUCTIONS:

- **This paper consists of SECTION A and SECTION B.**
- **Answer ALL Questions from SECTION A in the answer booklet provided.**
- **Answer question SEVEN and any other Question from SECTION B in the answer booklet provided.**

SECTION A- 40 MARKS

ANSWER ALL QUESTIONS FROM THIS SECTION IN THE ANSWER BOOKLET PROVIDED. BEGIN EACH ANSWER ON A FRESH PAGE.

1. State the planning principles governing the design of the following:
 - a. Ramps
 - b. Stairs
 - c. Railing
 - d. Obstructions
 - e. Signage
 - f. Street furniture (6 Marks)
2.
 - a. Differentiate between design for all and universal design. (4 Marks)
 - b. Advance four examples of design for all. (4 Marks)
 - c. Outline six principles of universal design (6 Marks)
 - d. Postmodernism as a philosophical movement. (6 Marks)
3. Suggest
 - a. three examples of access routes (3 Marks)
 - b. Two design scenarios when an automatic door should be installed in a building (2 Marks)
4. Illustrate the following signs
 - a. International symbol of access
 - b. Designated car park for disabled persons
 - c. Ramped access
 - d. Access for persons with limited mobility (4 Marks)
5. Enumerate
 - a. Five items which would appear on a checklist for changes in level on the exterior of a building (5 Marks)
 - b. Two considerations when designing queuing areas (2 Marks)
 - c. Four design considerations in designing handles, latches and knobs (4 Marks)

SECTION B- 30 MARKS

ANSWER QUESTION SIX AND ANY OTHER QUESTION IN THE ANSWER BOOKLET PROVIDED.

6. Discuss universal design. (15 Marks)
7. Mnene has suffered a spinal chord injury. Discuss areas requiring your attention as a designer when redesigning his home. (15 Marks)
8. Kawaida Interior Design firm has been contracted to redesign the Maseno University Admission block so that it is accessible to partially sighted students. Discuss the brief and interventions which should be taken by the firm. (15 Marks)
9. Outline considerations in the design of entrances. (15 Marks)