

MASTERS OF SCIENCE IN HUMAN ANATOMY (MSC(Anat.))

Introduction

Master of Science in Human Anatomy is a two year programme. It is to be done by course work and dissertation.

The programme will be taught through lectures, practicals, tutorials and regular progressive assessments.

Functional Anatomy and primate comparative Anatomy programme shall extend over a period of one academic year and this will be the first year which will consist of two semesters. The second year will be devoted to research work that will produce a dissertation.

The programme will be a full-time study. Candidates will be expected to be involved in the teaching of Anatomy to undergraduate students for this will enhance their learning of Anatomy. There will be three aspects of academic work to be covered during this programme.

- (i) **Anatomical Theory:** To equip candidates with the basic medical and technical knowledge.
- (ii) **Dissection and Laboratory techniques:** To equip candidates with technique and skills of practical Anatomy. Candidates should be able to learn and practice histological techniques that will help them in Histology. They are also to learn the art of preparing specimen for teaching of gross anatomy.
- (iii) **Dissertation:** This will be on a researched topic which must be approved by the Department, Faculty and School Of Graduate Studies Boards. A supervisor will be selected by the Department.

Objectives

- a) To train and produce competent men and women who can teach and conduct

Research in Anatomy at University level.

- b) To produce personnel who have adequate knowledge in gross Anatomy, embryology and human tissues at microscopic level and relate this knowledge to functions, evolution, pathogenesis clinical diagnosis and management of disease conditions.
- c) To produce an Anatomist who will make correct observations, prepare and interpret microscopic specimens of normal structures of the human body, give presentations and discuss research findings at scientific fora.
- d) At the end of the course, the student should be able to appreciate the similarities and differences in primates and how this may be related to evolution of human beings.

Programme Structure

| Year I: Semester I | | |
|--------------------|--|----|
| Course Code | Course | CU |
| MSA 7111 | Advanced cell biology | 2 |
| MSA 7112 | Applied and comparative anatomy of Limbs | 3 |
| MSA 7113 | Applied anatomy of the Trunk | 4 |
| MSA 7114 | Fundamentals of epidemiology, biostatistics&Research Methods | 3 |
| Semester II | | |
| MSA 7121 | Advanced anatomy of Head & Neck | 3 |
| MSA 7122 | Advanced Neuro-anatomy | 3 |
| MSA 7123 | Laboratory Techniques | 2 |
| MSA 7124 | Primatology | 5 |
| Year II | | |
| | Dissertation | |