**FOM 2111 ENDOCRINE 5 weeks**

Course description

This course introduces students to the structure and function of the endocrine system. The different types of hormones, mode of action, detection and estimation of body hormonal levels, and the endocrine disorders.

Course Objectives

The course will enable the students to;

1. To describe the structure and function of the endocrine system

2. To describe the different types of hormones and their mode of action highlighting the role of the

2nd messenger.

3. To explain the principles on which methods of detecting and estimation of hormonal levels in the body are based and how to interpret the findings.

4. To discuss the endocrine disorders and their public health implications.

Expected outcomes

1. Demonstration of ability to identify and describe the structure and function of the endocrine system

2. Appreciation of different types of hormones and their mode of action

3. Demonstration of skills in determining and estimating hormonal levels in the body

4. Appreciation of endocrine disorders

Content line:

Anatomy: Gross, embryology, Histology, Genetics of the endocrine system

Physiology: Classification and functions of the various hormones, their sources, transportation and targets

Biochemistry: Clinical nature, Integrated Actions of hormones

Laboratory and practical sessions

• Communication, control and integration of Hormonal action on Genito-Urinary system.

• Renin:- Angiotension – Aldosterone mechanism

• Formation and concentration of urine and other excretions

• Definition and classification of Hormones

Assessment methods

Students are assessed through formative and summative means. These shall include:

a) Continuous assessment during the entire problem based learning sessions. This permits immediate fed back to every student.

b) An end of course progressive examination consisting of

• Extended marching questions items

• Multiple choice questions

• Short answer questions

These two assessments contribute 40% of the final mark for the course c) An end of the block examination (summative) consisting of

• Extended marching questions items

• Multiple choice questions

• Short answer questions

• Viva voce

• Practical

This will contribute 60% of the final mark for the course

Methods of delivery

Over view lectures, Small tutorial sessions with a tutor, Expert resource seminars, wrap up seminars, clinical exposures, and practical sessions

Course duration**:** 5 weeks, 75 CH Resources and infrastructure available

Library (in the department of Anatomy, Physiology ,Biochemistry and Albert Cook ,tutorial rooms,

computer services and internet, content experts, patients and teaching hospital, competent guest lecturers.

Requirements:

5weeks, 75 CH

Teaching staff:

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| Name | Qualifications | Employer | Fulltime part time |
| Prof Sam Luboga | PhD | Makerere University | Fulltime |
| Prof Gabriel Nzrubara | M.MED | Makerere University | Fulltime |
| Dr. C.Ibingira | M.MED | Makerere University | Fulltime |
| Dr. Buwembo William | M.Sc | Makerere University | Fulltime |
| Dr. Ochieng Joseph | M.Sc | Makerere University | Fulltime |
| Dr.Turyabahika Joseph | M.MED | Makerere University | Fulltime |
| Dr. H. Kiryowa | M.Sc | Makerere University | Fulltime |
| Dr. Kayondo | BDS | Makerere University | Fulltime |
| Dr.J. Kasolo | M.Sc | Makerere University | Fulltime |
| Dr. J. Okullo | M.Sc | Makerere University | Fulltime |
| Dr. R. Nakiboneka | M.Sc | Makerere University | Fulltime |
| Dr. Ebuku | M.Sc | Makerere University | Fulltime |
| Dr. D.Ntulume | M.Sc | Makerere University | Fulltime |
| Mr.H.Kasozi | M.Sc | Makerere University | Fulltime |
| Mr. A.Lugaajju | M.Sc | Makerere University | Fulltime |
| Prof F.Kironde | PhD | Makerere University | Fulltime |
| Dr.J.Haumba | PhD | Makerere University | Fulltime |