**BBS 3225 Clinical Biochemistry and disease processes**

**Course description**

This course introduces participants to disease process that affect body chemistry. The course involves lecturers, tutorials and practicals

**Course Objectives**

At the end of this course a student should be able to;

Discuss common disease process that affect body chemistry.

**Course outline:**

* Basis of abnormal Biochemical mechanisms;
  + Biochemical lesions
  + Molecular basis of inheritance
  + Inborn errors of metabolism
* Abnormalities of metabolism
* Genetic diseases
* Neoplastic diseases

**Requirements:**

**4weeks, 60 CH**

**Mode of assessment**

Practical examination 40%

Final summative examination 60%

Dr. Hakim Sendagire

**Reading materials**

1. [Harper's biochemistry/](http://81.199.17.5:8000/cgi-bin/gw_42_20a/chameleon?host=81.199.17.5%2b1111%2bDEFAULT&search=SCAN&function=INITREQ&SourceScreen=INITREQ&sessionid=2006101717302405175&skin=default&conf=.%2fchameleon.conf&lng=en&itemu1=4&u1=4&t1=Harper%27s%20biochemistry%2f&pos=1&prevpos=1&beginsrch=1)[New York: McGraw-hill , 2000](http://81.199.17.5:8000/cgi-bin/gw_42_20a/chameleon?host=81.199.17.5%2b1111%2bDEFAULT&search=SCAN&function=INITREQ&SourceScreen=INITREQ&sessionid=2006101717302405175&skin=default&conf=.%2fchameleon.conf&lng=en&itemu1=2009&u1=2009&t1=New%20York%20%3a%20McGraw-hill%20,%202000.&pos=1&prevpos=1&beginsrch=1)

2. . [Textbook of biochemistry with clinical correlations /](http://81.199.17.5:8000/cgi-bin/gw_42_20a/chameleon?host=81.199.17.5%2b1111%2bDEFAULT&search=SCAN&function=INITREQ&SourceScreen=INITREQ&sessionid=2006101717302405175&skin=default&conf=.%2fchameleon.conf&lng=en&itemu1=4&u1=4&t1=Textbook%20of%20biochemistry%20with%20clinical%20correlations%20%2f&pos=1&prevpos=1&beginsrch=1)[New York: Wiley-Liss , 1997.](http://81.199.17.5:8000/cgi-bin/gw_42_20a/chameleon?host=81.199.17.5%2b1111%2bDEFAULT&search=SCAN&function=INITREQ&SourceScreen=INITREQ&sessionid=2006101717302405175&skin=default&conf=.%2fchameleon.conf&lng=en&itemu1=2009&u1=2009&t1=New%20York%20%3a%20Wiley-Liss%20,%20c1997.&pos=1&prevpos=1&beginsrch=1)

**7.0 Teaching resources**

**7.1 Human resource**

The program will be taught in the following departments; Pathology, Physiology, Anatomy, Pharmacology and Therapeutics, Microbiology, Biochemistry, Public Health , Paediatrics and Child health, Obstetrics and Gynaecology and other Units of Mulago National referral Hospital. A detailed list of teaching staff on the proposed program is indicated in table 1 below.