**BBS 1101 - Introduction to Biomedical Sciences, health professional education and Biomedical Ethics**

**Course description**

This course introduces students to the scope of biomedical sciences, trends in health professional education and the principles of biomedical ethics. The course comprises of lecturers, seminars, tutorials and clinical exposure.

**Course Objectives:**

1. To discuss the scope of biomedical sciences

2. To discuss professionalism in medical practice

3. To discuss the health provider-patient relationship

4. To discuss the major elements in biomedical ethics

1. To discuss consumer rights and provider rights.
2. To describe concepts in health professional education

**Learning outcomes**

##### At the end of the course students will be able to explain the scope of of biomedical sciences, the relationship between health provider and clients, principles of biomedical ethics, rights of providers and consumers and the trends in health professional education.

##### Content outline

# Biomedical sciences; definition, disciplines included and role of biomedical scientist in society

# Principles of biomedical ethics; Autonomy, beneficence, non-malificiency, Justice- equity and fair distribution of both risks, benefits and inadequate health care resources

# Professionalism; Definition of a profession, Roles of a professional, Duties of a professional, Professional relationship with colleagues and others

Doctor-patient relationship, Communication, Duties and rights

Health Professional Education; Different learning methods, Principles of Problem based learning, sources of information; Books, Journals, Online databases, Electronic resources, Resource persons

Computer fundamentals, Introduction to computers, Description of computer parts

**Requirements:**

3 weeks, 45 CH

**Mode of assessment**

Progressive assessment 40%

Written summative examination 60%

**Course coordinator**

Dr. Joseph Ochieng MBChB, MSc (MUK) MSc (Toronto)

**Reading materials**

1. [The medical profession and human rights: handbook for a changing agenda /](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=The%20medical%20profession%20and%20human%20rights%20%3a%20handbook%20for%20a%20changing%20agenda%20%2f&pos=1&prevpos=1&beginsrch=1)[London : Zed books, 2001](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=London%20%3a%20Zed%20books,%202001&pos=1&prevpos=1&beginsrch=1)

2. [Ethics and values in health care management/](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=2006101809571219106&skin=default&conf=.%2fchameleon.conf&lng=en&itemu1=4&u1=4&t1=Ethics%20and%20values%20in%20health%20care%20management%2f&pos=1&prevpos=1&beginsrch=1)[London; New York: Routledge, 1998](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=2006101809571219106&skin=default&conf=.%2fchameleon.conf&lng=en&itemu1=2009&u1=2009&t1=London;%20New%20York%3a%20Routledge,%201998&pos=1&prevpos=1&beginsrch=1)