**BBS 2112 Head, Neck and the Nuerolocomotor system**

**Course description**

This course covers the anatomy and physiological functioning of the organs of the head neck , central and peripheral nervous systems. It also includes the skeletal muscles.

**Course Objectives**

At the end of the course students should be able to:

Describe the anatomy and development of the Head and Neck organs.

Describe the structure of the central and peripheral nervous system,

Describe the structure and functioning of the skeletal muscles

Explain the physiological and Biochemical basis of functions of the higher functions of the brain

Describe the techniques used to study the nuerolocomotor functions.

**Course outline**

Anatomy: Embryology, Histology, Gross anatomy of the Head and Neck region, intracranial cavity and its contents and the CSF. The central and peripheral nervous systems and there functions

Physiology and Biochemistry of the Head and Neck regions and functions of the Nervous systems. Investigative Procedures of the Head and Neck of the nervous system

**Requirements:**

**5weeks, 75 CH**

**Mode of assessment**

Progressive assessment 40%

Written summative examination 60%

**Course coordinator**

Dr. Joseph Ocheing MBChB MSc. (MUK)

**Reading materials**

1. [Medical embryology: human development, normal and abnormal](http://81.199.17.5:8000/cgi-bin/gw_42_20a/chameleon?host=81.199.17.5%2b1111%2bDEFAULT&search=KEYWORD&function=INITREQ&SourceScreen=INITREQ&sessionid=2006101809571219106&skin=default&conf=.%2fchameleon.conf&lng=en&itemu1=2000&scant1=Medical%20Embryology&scanu1=4&u1=2000&t1=@442515&pos=1&prevpos=1&)

2. [Textbook of medical physiology](http://81.199.17.5:8000/cgi-bin/gw_42_20a/chameleon?host=81.199.17.5%2b1111%2bDEFAULT&search=KEYWORD&function=INITREQ&SourceScreen=INITREQ&sessionid=2006101717302405175&skin=default&conf=.%2fchameleon.conf&lng=en&itemu1=2000&scant1=Textbook%20of%20medical%20physiology%20%2f&scanu1=4&u1=2000&t1=@23812&pos=1&prevpos=1&), [Philadelphia: Saunders, 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=Philadelphia%20%3a%20Saunders,%20c2000.&pos=1&prevpos=1&beginsrch=1)

3. [Clinical anatomy for medical students/](http://81.199.17.5:8000/cgi-bin/gw_42_20a/chameleon?host=81.199.17.5%2b1111%2bDEFAULT&search=SCAN&function=INITREQ&SourceScreen=NEXTPAGE&sessionid=2006101717302405175&skin=default&conf=.%2fchameleon.conf&lng=en&itemu1=4&u1=4&t1=Clinical%20anatomy%20for%20medical%20students%2f&pos=1&prevpos=41&beginsrch=1)[Phildelphia: Lippincott Williams and Wilkins, 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=NEXTPAGE&sessionid=2006101717302405175&skin=default&conf=.%2fchameleon.conf&lng=en&itemu1=2009&u1=2009&t1=Phildelphia%3a%20Lippincott%20Williams%20and%20Wilkins,%202000&pos=1&prevpos=41&beginsrch=1)

4. [Gross anatomy/](http://81.199.17.5:8000/cgi-bin/gw_42_20a/chameleon?host=81.199.17.5%2b1111%2bDEFAULT&search=SCAN&function=INITREQ&SourceScreen=NEXTPAGE&sessionid=2006101717302405175&skin=default&conf=.%2fchameleon.conf&lng=en&itemu1=4&u1=4&t1=Gross%20anatomy%2f&pos=1&prevpos=51&beginsrch=1)[Baltimore: Williams and Wilkins , 1995](http://81.199.17.5:8000/cgi-bin/gw_42_20a/chameleon?host=81.199.17.5%2b1111%2bDEFAULT&search=SCAN&function=INITREQ&SourceScreen=NEXTPAGE&sessionid=2006101717302405175&skin=default&conf=.%2fchameleon.conf&lng=en&itemu1=2009&u1=2009&t1=Baltimore%20%3a%20Williams%20and%20Wilkins%20,%201995&pos=1&prevpos=51&beginsrch=1)

**5**. [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)