**BMC 4113 Paediatrics And Child Health 1 5 Weeks**

Brief description:

This course is offered as an introductory course in Paediatrics and Child Health for undergraduate students. The course is designed for students to acquire basic knowledge and clinical skills in Paediatrics and Child Health. This is a clinical course that is delivered with an emphasis on student participation in all aspects of management of patients on wards to handle:

History taking and physical examination of common paediatric conditions.

Cognitive knowledge, technical skills and clinical judgment in the practice of paediatrics and child health.

Communication, research, ethics and customer care.

Course Objectives:

1. to acquire basic clinical skills in paediatrics and child health

2. to acquire knowledge in the prevention and management of childhood illnesses

3. to develop an appropriate attitude and professional behaviour in paediatrics and child Health

4. to acquire knowledge for the promotion of child health.

Expected outcomes/outputs

A student who has

1. Acquired basic clinical skills in paediatrics and child health

2. Acquired knowledge in the prevention and management of childhood illnesses

3. Developed an appropriate attitude and professional behaviour in paediatrics and child

Health

4. Acquired knowledge for the promotion of child health.

Outputs

1. 10 case write ups

2. Procedures done

• Venepunctures; observe 1, assist 2 and do 3

• Intravenous drips; observe 1, assist and do 3

• Lumbar puncture; observe 1, assist 5, examine 1

• Nasal gastric tube; observe 2, assist 1 and insert 2

• Urine exam; examine 3

• Blood film preparation and exam 5

• Immunization; immunize 3

• Blood grouping and cross matching; do 3

• Stool examination; do 3

• Mantoux test; do 2

3. Home visit; at least 3 visits

4. present at least one time during and expert resource session

Duration of course: 5 weeks

Delivery methods:

Tutorials – PBL, Bed side teaching, Grand rounds, Practical sessions, Case discussions, Expert, resources sessions, Lectures, Self directed learning, Demonstrations

Methods of assessment

1. Progressive assessment – (attendance and participation in different sessions ie PBL tutorials, case presentations and write ups, bedside tutorials and ward rounds)

2. Assessment of logbooks- (procedures)

3. Clinical examinations – OSCE

4. Written exams – MCQs and Essays

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| Semester I | LH | Cl.H | TH | PH | SH | CH | CU |
| BMC 4113 Paediatrics & Child Health 1 | 5 | 15 | 30 | 20 | 60 | 75 | 5 |

Full course contents with credit units and contacts hours

Clinical Sessions are shown as Cl.H (Clinical hours)

Overview lectures and seminars are shown as LH (lecture hours)

Skills laboratory activities, practicals and clinical exposure are shown as PH (practical hours) Tutorials sessions are shown as TH (tutorial hours)

Self directed learning is shown as SH (self-study hours)

Course Content**:**

1. Infectious diseases:

- Malaria - 5CH

- Acute Respiratory Infections - 5 CH

- Childhood TB - 2 CH

- Paediatric HIV/AIDS - 4 CH

- Acute viral infections (measles, mumps, polio, varicella) - 1CH

- Meningo-encephalitis – 1CH

- Urinary Tract Infection – 1CH

- Nosocomial Infections – 1 CH

- Pyrexia of unknown origin (PUO) – 1CH

- Bone and Joint infections – 1CH

2. Childhood Nutrition

- Normal nutritional requirements in infants and children – 1CH

- Breastfeeding and other infant feeding practices (including infant feeding in context of HIV) – 2CH

- Protein Energy Malnutrition – 5CH

- Micronutrient disorders (Vitamin A, Iron, Iodine, Zinc) – 1CH

3. Neonatology:

- Low Birth Weight – 5CH

- Neonatal infections – 5CH

- Neonatal jaundice – 5CH

- Care of the new borne infant - CH

- Congenital malformations and birth injures – 5CH

- Birth Asphyxia – 5CH

- Haemorrhagic disease of the newborn – 5CH

4. Renal

- Acute glomerulonephritis - 3 CH

- Nephrotic syndrome - 3CH

- Renal failure (Acute and Chronic) - 3 CH

- Congenital renal abnormalities – 3 CH

5. CNS Disorders

- Epilepsy – 5 CH

- Convulsions – 5 CH

- Cerebral palsy – 5 CH

- Acute Flaccid paralysis – 5 CH

- Mental Retardation – 5 CH

6. Haematology & Oncology

- Anaemia in children )SCA, Haemalytic anaemias, Iron deficiency and others) – 3CH

- Bleeding disorders – 3CH

- Lleukaemia and other common childhood malignancies (ALL, Burkitt’s, Wilm’s, Hodgkin’s, KS) – 1

CH

7. GIT Hepatod-Biliary Disorders

- Malabsorption disorders – 4CH

- Hepatitis and other disorders – 4 CH

- Diarrhoeal diseases – 4CH

8. Growth and Development

- Normal growth and development - 3 CH

- Growth monitoring and promotion - 3CH

- Failure to thrive - 3 CH

9. Endocrine Disorders

- Diabetes mellitus – 2 CH

- Hypothyroidism – 2 CH

10. Cardiac Diseases

- Congenital heart diseases – 4CH

- Acquired heart disease – 4CH

- Cardiac emergencies – 4CH

- Congestive Cardiac Failure (CCF) – 4CH

1. Respiratory Disorders

- Asthama LTB – 3CH

- Bronchiolitis – 3CH

- Laryngotracheobronchitis – 3CH

- Pneumonia – 3CH

12. Others

- Poisoning & Accidents -2 CH

- Child survival strategies including IMCI - 1CH

- Immunity and immunization - 1 CH

- Primary Health Care - 1CH

- School Health -1 CH

- Children under difficult circumstances (child abuse, war, famine) - 1CH

- Deprived and Disabled children - 1 CH

- Skin disorders in children (eczema, fungal, bacterial and viral infections) - 1CH

- Infestations – Hookworm, Ascariasis, Schiostosomiasis – 1CH

- Ethical issues and Child Health Rights – 1CH

Resources available to teach

IT – (Computers and Internet connection), library, Laboratories, Experts

Infrastructure available

Lecture rooms, Library space, Office space for staff, Means of transportations to communications, Specialized equipments, Audio-visual aides, Wards, Specialized wards and clinics

Teaching staff

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| **No.** | **Name** | **Designation** | **Qualifications** | **Employer** |
| 1 | Dr. Aanyu H.T. | MOSG | MBChB, M.Med. | MOH |
| 2 | Dr. Achan J. | Lecturer | MBChB, M.Med. | MUK |
| 3 | Dr. Babirekere E. | MOSG | MBChB, M.Med. | MOH |
| 4 | Dr. Bakeera S.K. | MOSG | MBChB, M.Med. | MOH |
| 5 | Dr. Byarugaba J. | Sen. Consultant | MBChB, M.Med,FRCP | MOH |
| 6 | Dr. Idro R. | MOSG | MBChB, M.Med, PhD | MOH |
| 7 | Dr. Kakooza A.M. | Lecturer | MBChB, M.Med. | MUK |
| 8 | Dr. Kalyesubula I. | Consultant | MBChB, M.Med. | MOH |
| 9 | Dr. Karamagi C. | Sen. Lecturer | MBChB, M.Med, PhD | MUK |
| 10 | Dr. Kiboneka E. | Consultant | MBChB, M.Med, | MOH |
| 11 | Dr. Kiguli S.W. | Sen. Lecturer | MBChB, M.Med, M.Med. | MUK |
| 12 | Dr. Kiwuwa S. | Part-time Lecturer | MBChB, M.Med. | MUK |
| 13 | Dr. Lubega I. | MOSG | MBChB, M.Med, DTH&H | MOH |
| 14 | Dr. Lubega S. | MOSG | MBChB, M.Med. | MOH |
| 15 | Dr. Lwabi P. | Consultant | MBChB, M.Med, | MOH |
| 16 | Dr. Mugalu J. | MOSG | MBChB, M.Med. | MOH |
| 17 | Dr. Mupere R. | Lecturer | MBChB, M.Med, M.Sc. | MUK |
| 18 | Dr. Musoke P. | Assoc. Prof | MBChB, FAAP | MUK |
| 19 | Dr. Mworozi E. | Sen. Consultant | MBChB, M.Med. | MOH |
| 20 | Dr. Nabukeera N. | Lecturer | MBChB, M.Med, | MUK |
| 21 | Dr. Nankunda J. | Consultant | MBChB, M.Med. | MOH |
| 22 | Dr. Ndeezi G. | Assoc. Prof. | MBChB, M.Med. | MUK |
| 23 | Prof. Ndugwa C.M. | Professor | MBChB, M.Med. | MUK |
| 24 | Dr. Odiit A. | Consultant | MBChB, M.Med. | MOH |
| 25 | Dr. Okaba V. | Teaching Assistant | MBChB, | MUK |
| 26 | Dr. Opoka Opika R. | MOSG | MBChB, M.Med,MPH | MOH |
| 27 | Dr. Piloya T. | Lecturer | MBChB, M.Med. | MUK |
| 28 | Mr. Rujumba J. | Asst. Lecturer | B.A., MA (SS) | MUK |
| 29 | Prof. Tumwine J.K. | Professor | MBChB, M.Med, PhD | MUK |
| 30 | Dr. Wobudeya E. | MOSG | MBChB, M.Med. | MOH |
| 31 | Dr. Zirembuzi G.W. | Sen. Consultant | MBChB, M.Med, | MOH |

Key: MOSG = Medical Officer Special Grade MOH = Ministry of Health