

# Kenya Medical Training College

## Department of Medical Education

### Preamble

Based at MTC, Nairobi, the department of Medical Education is mandated to train teachers to competently train students in all health related subjects.

The only department whose students are the KMTC lecturers, it trains them on how to apply the competencies gained to innovatively teach the curricula and mentor students.

### History of the department

The Ministry of Health in 1979 realized the need for trained medical educators at training institutions and established the Faculty of Medical Education at KMTC to train health professionals to become teachers in their fields of specialization.

The objective was to develop medical educators who could effectively plan teaching programs, teach, manage,

conduct research, and develop health learning materials in health training institutions. To attain the objective, a curriculum was developed with the following 10 subjects:

- Educational Foundation
  - Education Psychology
  - Guidance and Counseling
  - Management Theory and Practice
  - Curriculum Design and Development
  - Statistics
  - Educational Measurement
  - Teaching Methods
  - Instructional Media and
  - Research Design and Methodology
- Four curriculum reviews have since been conducted since the inception of the course, with the recent one bringing about collaboration between the department and the University of Dundee (Scotland) Centre for Medical Education, which initiated a linked certificate, diploma and a master's degree programme in 2002.

### Programmes offered

We are currently offering a one year higher diploma in medical education. A masters' degree programme will soon start at Nairobi MTC.

### Short courses

We have started two-weeks short courses in line with the main course.

Refresher courses are also offered to help trainees introduce innovations in training of health professionals.

### Higher Diploma in Medical Education

Face-to face workshops of 15 weeks is the mode of delivery of the course.

Nine -12 months is spent studying and writing assignments in a distance learning mode.

The course provides an overview of key issues in Medical Education derived as: teaching and learning, curriculum development, assessment, instructional materials development, mentoring and students' support and continuing education for personal and professional development.

In the first semester, the following modules are covered

1. Teaching and Learning
2. Curriculum Development
3. Assessing Students' Learning
4. Instructional Materials
5. Development and Production

6. Continuing Education for Personal and Professional Development
7. Student Support and Guidance

#### **Module I units**

1. Theoretical Foundations of Teaching and Learning
2. Task/Topic Analysis
3. Instructional Design

#### **Module II: curriculum development and evaluation**

1. Formulation of Course Outcomes to meet Community Needs
2. Designing and Developing a Curriculum
3. Reviewing and Evaluating a Curriculum.

#### **Module III: Assessing students' learning**

1. Principles of Assessment
2. Concepts of Assessment
3. Assessment Instruments
4. Critical Appraisal of Assessment Instruments

#### **Module IV: Instructional materials development and production**

1. Principles of Instructional Materials Development
2. Computers in Support of Instructional Materials Development /Teaching

#### **Module V: Continuing education for personal and professional development**

1. Educational Innovation and Change
2. Life Long Learning
3. Portfolio Development
4. Self Evaluation

#### **Module VI: Students' support and guidance**

1. Motivation, Personality and Learning
2. Developing Study Skills (revisited)
3. Counseling Process
4. Teamwork and Communication Skills
5. Career Guidance
6. Examination Techniques In the second semester, the course has face-to-face period of 3 weeks. Students are introduced to critical thinking and intellectual skills development. Engaged in distance learning and writing of assignments, the students must also choose an area of interest to write about as a special study option.

#### **Modules/Units**

1. Critical Thinking and Intellectual Skills
2. Teaching and Learning and Educational Strategies
3. Curriculum Development and Evaluation
4. Assessment and Evaluation
5. Instructional Materials Development and Use
6. Action Research
7. Educational Management and Leadership
8. Action Research Proposal

#### **Minimum entry requirements**

Health professionals in all cadres with qualifications at basic diploma level and above, Competence in computer application and teaching methodology is a must. Three years working experience is a must.

## **Scope**

Medical education is offered at KMTC, Nairobi.

## **The Master's degree**

The Master's degree, to be implemented soon, will provide an in-depth study of two aspects of Medical Education: applied project (action research) and a personal philosophy of Medical Education. Participants will be assessed through written assignments, portfolio development and demonstrations of competence.

## **Job opportunities**

Graduates of this programme have ready job opportunities in the following places:

- Health training institutions.
- Research-based organizations
- Health care institutions as clinical practice instructors and clinical practice examiners.

For further information contact:

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