

MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY
PUBLIC HEALTH BIOMEDICAL SCIENCES & TECHNOLOGY
DEPARTMENT OF MEDICAL
Course Outline

Department: Medical Laboratory Sciences

Programme: BSc. Medical Laboratory Sciences/ Medical Biotechnology

Course Code: BML 117

Course Title: HIV/AIDS and STI Education

Year of Study: One

Academic Year: 2019/2020 Trimester: One

Date: Sept 2019

2. Course Purpose

The course is designed to provide learner with knowledge, skills and attitudes held on risk behaviour related to the transmission of HIV and AIDS/STI. It covers prevention and management including use of Anti-retro Viral Drugs (ARVs).

3. Learning Objectives/Outcomes:

By the end of this course the student should be able to:

- Define HIV and AIDS/ STI.
- State the risk behaviours that transmit HIV.
- Discuss how HIV is transmitted.
- Describe the treatment of HIV and AIDS.
- Discuss the management of patients and clients.
- Discuss support groups and prevention of HIV and AIDS.
- Describe management of opportunistic infections.
- Describe epidemiology and management of STIs.

4. Learning/Teaching Strategy

Lectures, demonstrations, laboratory practical, group discussions.

5. Topic Outline

Week	Date	Topic
1.		Introduction Definition of terminologies: HIV and AIDS, STDS Origin of HIV/AIDS Statistics- Global/Africa/Subsaharan A./ Kenya
2.		The Virus Structure and replication HIV transmission: risk factors for HIV infection and the natural history of HIV infection
3.		HIV diagnosis
4.		Clinical features, WHO guidelines and staging of HIV/AIDS
5.		Diagnosis in infants and children
6.		Management and care of people with HIV/AIDS Categories of ART, Mechanisms of actions and their adverse events
7.		Care and Support system available for patients with HIV and AIDS
8.		Factors influencing spread of HIV Impacts of HIV/AIDS to the society
9.		Opportunistic infection in HIV infections

10.		Introduction to Management of common STIs
11.		Revision Week
12.		End of Semester Examination
13.		End of Semester Examination

6. Course Requirements

A) Attendance

Attendance for lectures, and other scheduled classes/practical/laboratory sessions is mandatory for all students. Any absence will prohibit the student from taking CA and examination.

B) Methods of Assessment

- | | | |
|------|------------------------------|------|
| i. | Continuous Assessment | 10%; |
| ii. | Take away | 20% |
| iii. | End of Trimester Examination | 70% |

C) Pass mark

- | | | |
|---|-----------|-----|
| | | 50% |
| Practical Assessment (where Applicable) | Pass mark | 65% |

D) Course Texts including Further reading/Reference Texts

1. David Wessner and Michael A. Palladino (2005). HIV and AIDS. THE MEDICAL PERSPECTIVE SERIES. BIOS SCIENTIFIC PUBLISHERS. 1-872-748-961.
2. Paula Johanson (2012). HIV AIDS.
3. Jacques Pepin (2011). The Origins of AIDS. CAMBRIDGE UNIVERSITY PRESS. ISBN 9780521186377.

Course Lecturer – Name: Dr. C. wanjala

Sign-----

Date-----

Departmental Timetabler Name-----

Sign-----

Date-----

CoD-Name -----

Sign-----

Date-----