

COURSE OUTLINE:

HCD 3112: HIV AND AIDS

Contact hours 42

Lecture hours 42

Pre-requisites: None

Purpose: To introduce students to the concepts of reproduction, immune system, human sexuality and HIV/ AIDS and create awareness on methods of transmission, control, prevention and best management practices.

Course objectives:

By the end of the course, the learner should:

- a) Be able to explain the meaning of reproduction human sexuality and explain its importance of the course.
- b) Understand the biology of the HIV virus and stages of infection and viral transmissions
- c) Explain the HIV transmission methods and methods of prevention and control
- d) Explain the role of the immune system, opportunistic diseases and general management of HIV, and related infections
- e) Understand the factors that influence the spread of HIV and AIDS in Africa, and the challenges facing the search for an AIDS vaccine

Course content:

Introduction and definition of terms; Reproduction and general human body organization; Sex and Sexuality; Historical background and magnitude of HIV and AIDS; Biology of HIV and Viral transmission; Stages of infection and the development of HIV and AIDS; HIV infection, prevention and control, Blood transfusion and HIV and AIDS; Peer education for HIV, Treatment options and vaccine development; Management of HIV and related infections; Immune system and other factors, opportunistic infections; Factors for the spread of HIV and AIDS in Africa; Legal and ethical issues; HIV and AIDS as a National disaster, and AIDS; impacts, myths and emerging issues on HIV; Case study of selected African Countries.

Teaching Methodology: A combination of Lectures; Tutorials and Class discussion

Instructional Material: Handouts; Chalk board; Textbooks and Library.

Course assessment: End of Semester exam-70%; Continuous assessments (Exercises and Tests)-30%; Total 100%

References for the course:

1. Muya S. M. and Ogila O. K. (2002). The fundamentals of HIV and AIDs education, a handbook for students of tertiary institutions, Jomo Kenyatta University of Science and Technology.
2. The AIDS pandemic (2002). Mills Richard, Stan borough press Ltd.

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SEPTEMBER-DECEMBER SEMESTER EXAMS

SECTION A: 30 MARKS

Answer all the questions in this section

1. a) Define the following terms as used in HIV and AIDS:
 - i) Incidence
 - ii) Prevalence
 - iii) Pandemic3mks
2. List any THREE sources of information on human sexuality 3mks
3. State any THREE consequences of risky sexual behavior 3mks
4. a) Differentiate between active acquired immunity and passive acquired immunity 2mks
- b) List FOUR main classes of patients according to how they respond to HIV infection 2mks
5. Explain the meaning of the following terms:
 - i. Sero conversion 1mk
 - ii. Zoonosis 1mk
6. Name THREE methods of HIV transmission in human beings 3mks
7. Identify THREE human rights principles relevant to HIV/AIDS which states have a responsibility and obligation to respect and protect 3mks
8. Explain the term sexual dysfunction and identify any FOUR forms of sexual dysfunctions in humans 3mks
9. State THREE ways of empowering women in order to reduce HIV/AIDS infections 3mks
10. Identify any THREE sectors that have been affected negatively by the AIDS scourge 3mks

SECTION B: 40MARKS

Answer any TWO questions from this section. EACH question carries 20 marks

1. Give an account of the challenges facing the search for an HIV vaccine 20 marks
2. Explain the role of gender in HIV/AIDS transmission 20 marks
3. Explain the strategies adopted by the Kenyan government in the fight against the spread of HIV/AIDS epidemic 20 marks
4. Identify and explain in detail the role of immunoglobulins in the body's immune system 20 marks