**FOM 2213 COMMUNITY DIAGNOSIS AND COMMUNICATION 5 Weeks**

Course description:

This course is intended to expose students to applications of Epidemiological methods and steps in carrying out a community diagnosis. The course will also highlight practical aspects of communication, practical application of computer skills and basic methods of epidemic investigations and assessment of nutritional status.

Course Objectives:

The students should be able to:

1. Describe epidemiological and statistical methods of investigations

2. Describe the principles of community diagnosis

3. Describe the methods used in the assessment of nutritional status

4. Describe steps in community diagnosis in order to understand the health requirements of a community

5. Demonstrate ability to use computer programs and statistical packages.

6. Describe the application of computer programs in statistical analysis

7. Demonstrate communication and counseling skills in the community

8. Appreciate the social interactions with the community that impact on their health

Content:

• Epidemiology: surveys designs (case-control and cohort), content surveys, epidemics, outbreaks, verification of diagnosis, establishment of outbreak existence, investigation and management of epidemics

• Bio-statistics: application of statistical method in health and diseases, parametric and non- parametric methods, testing of hypothesis, statistical tests;

• Nutritional assessment of individuals and a community, dietary assessment, anthropometric assessment of growth. Prevalence of various forms of malnutrition

• Microbiology, hematology and Biochemistry: common lab tests done at health centers and others.

• Pharmacology: essential national drug list, guidelines for drug use and rational for drug use

• Nursing science/Family/School Health: vaccine handling and immunization programs, family planning, counseling, adolescent friendly health services

• Communication and counseling skills

• Community Research methods: design and use of data collection tools, PRA (Participatory Research Appraisal), design and use of data collection tools, secondary data review, data analysis and report writing

• Community activities: collection of data from a health center, community by observation, participatory assessment techniques, questionnaire and other methods, Data analysis, report writing, dissemination (oral presentation)

• Computer literacy: Power point presentation techniques, Internet use – Info search

• Statistical packaging

• Information, Education, Communication material development

Delivery Methods:

Lectures, Tutorials, Seminars, Community placement, Self Directed Learning

Methods of assessment:

Field Reports, Log of activities, Panel assessment, Summative examination

Course duration: 3 weeks, Contact hours: 45, Credit Units: 3

Learning resources:

Lecture rooms, Offices for staff, Library, Computers and Internet, Human resource e.g. Lecturers and site tutors, Community/field resources

Teachers**:**

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| NAME | QUALIFICATION | EMPLOYER |  |
| Dr Isaac Okullo | BDS, ADHSM, MPH, PhD | MAK | Full time |
| Dr. George W. Kivumbi | BA, PGDE, MA, PhD | MAK | Full time |
| Dr. Herbert Muyinda | BA, MA, PhD | MAK | Full time |

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| Dr. Andrew Mwanika | BDS, MSc | MAK | Full time |
| Mr. Godfrey Siu | BACE, MIH | MAK | Full time |
| Dr. Aggrey Dhabangi | MBChB | MAK | Full time |
| Mr. Hussein Oria |  |  | Full time |
| Mr. Dungu Matovu |  |  | Full time |
| Dr. Arabat Kasangaki |  |  | Full time |
| COBES Site Tutors | Varied | District Local  Government and NGOs | Part time |