MSc CONTROL OF INFECTIOUS DISEASES

OBJECTIVES
At the end of the course students should be able to:

(i) investigate the transmission of endemic and epidemic infections;
(ii) select appropriate methods of control;
(iii) design, implement and evaluate co-ordinated control methods;
(iv) assess constraints of local public health delivery systems;
(v) manage available resources in the context of the control of infectious diseases; and
(vi) focus their efforts on particular geographical regions or specific diseases.

Term 1: After orientation, students attend a core module which focuses on (i) the life cycle and characteristics of infectious disease agents according to their principal transmission routes; (ii) the principal intervention strategies used to combat infectious diseases; (iii) examples of successes, partial successes and failures in intervention programmes against infectious diseases. This module is integrated with a compulsory module on basic statistics, and with either a) three study modules on basic epidemiology; health economics; and health policy, process and power, or with b) a double study module on extended epidemiology, and either health economics or health policy, process and power. An interdisciplinary approach is emphasized which takes account of the social, political and economic context in which health systems operate.

Terms 2 and 3: Students choose one module from each timetable slot including at least one of the three modules in bold.

C1: Designing Disease Control Programmes in Developing Countries; Economic Analysis for Health Policy; Epidemiology & Control of Malaria; Health Care Evaluation; Basic Parasitology; Childhood Eye Disease and Ocular Infections; Clinical Infectious Diseases 1: Bacterial & Viral Diseases & Community Health in Developing Countries; Health Promotion Approaches and Methods; Maternal & Child Nutrition; Research Design and Analysis; Study Design: Writing a Study Proposal.

C2: Clinical Bacteriology 1; Conflict and Health; Design & Analysis of Epidemiological Studies; Population, Poverty & Environment; Statistical Methods in Epidemiology; Advanced Diagnostic Parasitology; Analytical Models for Decision Making; Clinical Infectious Diseases 2: Parasitic Diseases & Clinical Medicine; Health Systems; History & Health; Qualitative Methodologies.

D1: Applied Communicable Disease Control; Current Issues in Safe Motherhood & Perinatal Health; Medical Anthropology and Public Health; Spatial Epidemiology in Public Health; Tropical Environmental Health; Vector Sampling, Identification & Incrimination; Analysis of Hierarchical & Other Dependent Data; Clinical Infectious Diseases 3: Bacterial & Viral Diseases & Community Health in Developing Countries; Clinical Virology; Economic Evaluation; Modelling & the Dynamics of Infectious Diseases; Nutrition in Emergencies; Social Epidemiology; Sociological Approaches to Health.

D2: Epidemiology & Control of Communicable Diseases; Clinical Bacteriology 2; Clinical Infectious Diseases 4: Parasitic Diseases & Clinical Medicine; Environmental Epidemiology; Ethics, Public Health & Human Rights; Globalisation & Health; Organisational Management; Sexual Health; Vector Biology & Vector Parasite Interaction.
E: AIDS; Applying Public Health Principles in Developing Countries; Control of Reproductive Tract Infections/Sexually Transmitted Infections; Integrated Vector Management; Advanced Statistical Methods in Epidemiology; Analysing Survey & Population Data; Antimicrobial Chemotherapy; Environmental Health Policy; Integrating Module: Health Promotion; Integrating Module: Health Services Management; Mycology; Nutrition Programme Planning; Principles and Practice of Public Health.