



Nigeria Malaria Modelling Fellowship

Curriculum

The Malaria Course covers key aspects of Malaria Epidemiology necessary to gain in-depth knowledge of the disease in Africa including key variables that contribute to its spread.

Code	Duration (120 hours)	Course
MFMAL 101	15 hours	Introduction to Malaria
MFMAL 102	30 hours	Malaria Vector Biology and Control
MFMAL 111	15 hours	Case Management of Malaria
MFMAL 121	15 hours	Malaria Chemoprevention
MFMAL 131	15 hours	Malaria Bioinformatics
MFMAL 141	15 hours	Malaria Social and Behaviour Change Communication
MFMAL 151	15 hours	Malaria Programme & Organisation Management



The Core Modelling Course will provide Fellows with knowledge on the basics of disease modelling, and will take them from beginner to advanced levels of disease modelling.

Code	Duration (465 hours)	Course
MFMOD 103	45 hours	Microsoft Excel for disease modelling
MFMOD 102	30 hours	Mathematical Background I
MFMOD 105	75 hours	R for disease modelling
MFMOD 202	30 hours	Overview of Infectious Disease Modelling
MFMOD 201	15 hours	Time series
MFMOD 216	90 hours	Compartmental Model of Disease Dynamics
MFMOD 203	45 hours	Geo-spatial Modelling
MFMOD 303	45 hours	Mathematical Background II
MFMOD 313	45 hours	Stochastic Disease Modelling
MFMOD 323	45 hours	Agent-based Modelling



The curriculum also includes adjunct modules in Project Management and Evidence Translation Course, crucial to enhancing careers and equipping Fellows with in-demand skills.

Code	Duration (40 hours)	Course
MFPOM 101	10 hours	Project Management in a Box
MFPOM 111	4 hours	Overview of International Health and Global Health Financing Landscapes
MFPOM 121	2 hours	Gender Mainstreaming in Public Health
MFPOM 131	2 hours	Physical and Sexual Exploitation and Abuse
MFETL 101	4 hours	Research Methods and Literature Reviews
MFETL 111	4 hours	Grantsmanship
MFETL 121	4 hours	Scientific Writing and Manuscript Development
MFETL 131	4 hours	Leadership of Evidence Translation
MFADJ 101	Additional elective courses (up to 2 courses)	An Introduction to Thinking and Working Politically; or Introduction to Ethics in Evidence Generation (Basic)
MFADJ 111		Social Norms Programming and Measurement; or Health Economics and Financing (Basic)

