

Applied Epidemiology 1 Course Schedule (January 25 – February 16, 2024)

Week 1	Monday	Tuesday	Wednesday	Thursday (25/01)	Friday (26/01)
9.00-10.15	X	X	X	Introduction. Overview of Applied Epidemiology Course. Roll call. Assignment & examination. (Malachi O. Arunda)	Surveillance data Reporting Systems (Malachi Arunda) Individual Quiz
Break					
10.30-12.00	X	X	X	Concepts of Public Health Surveillance Group Discussion/Quiz (Malachi Arunda)	Surveillance in LMIC: An example of the DHS and MICS household survey programmes (Malachi Arunda)
Lunch					
13.00-14.30	X	X	X	Seminar: Formulating surveillance objectives & case definition (Malachi Arunda)	Critical skill seminar: Challenges of surveillance in LMIC (Malachi Arunda)
Break					
14.45-16.00	X	X	X	Individual work — Preparation for critical skill seminar	Critical skill seminar: Challenges of surveillance in LMIC



Mandatory sessions

LEGEND

Seminar/Workshop	Quiz/assignment Introduction	Lecture + Tutorials
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Applied Epidemiology 1 Course Schedule (January 25 – February 16, 2024)

Week 2	Monday (29/01)	Tuesday (30/01)	Wednesday (31/01)	Thursday (01/02)	Friday (02/02)
9.00-10.15			Injury Surveillance (Marie Hasselberg)	Electronic Health Records (Pontus Hedberg)	HIV Surveillance Anna-Mia Ekström
Break					
10.30-12.00	Surveillance system Attributes and Performance Evaluation Group Discussions/Quiz (Malachi Arunda)	Dissemination and Reporting Strategies Group Discussions/Quiz (Malachi Arunda)	Injury Surveillance (Marie Hasselberg)	Infectious Disease Surveillance in Sudan  (Mahmoud Hilali)	Chronic Disease Surveillance Systems (Malachi Arunda)
Lunch					
13.00-14.30	Data management (Davide Valentini)	Descriptive epidemiology analysis in STATA (Davide Valentini)	Writing and structuring your academic report (Anna Borgström) (Early break)	Q&A Data Management and Analysis – Zoom (optional)  (Malachi A./Davide V.)	Nutrition, obesity, and physical activity (Chen Chu)
Break					
14.45-16.00	Data management (Davide Valentini)	Descriptive epidemiology analysis (Davide Valentini)	Writing and structuring your academic report Ends: 15:00		Nutrition, obesity, and physical activity (Chen Chu)
16.00					Evaluation session

Mandatory sessions

LEGEND

Seminar/Workshop

Quiz/assignment
Introduction

Lecture +
Tutorials

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Week 3	Monday (05/02)	Tuesday (06/02)	Wednesday (07/02)	Thursday (08/02)	Friday (09/02)
9.00-10.15		Migrant Health (Elin Larsson)	Global Burden of Disease & Surveillance data for SDG outcomes (Lode Van Der Velde)		Seminar refresh: Outbreak investigation (Malachi Arunda)
Lunch					
10.30-12.00	Climate change- events and Syndromic Surveillance systems Individual Quiz (Malachi Arunda)	Individual reflection & practice: Data presentation	Global Burden Disease & Surveillance data for SDG outcomes (Lode Van Der Velde)		Outbreak exercise (Malachi Arunda) Workshop
Lunch					
13.00-14.30	Antimicrobial resistance and healthcare-associated infections surveillance (Suzanne van der Werf)	Graphs – STATA (Davide Valentin)		Refresh: Epidemiological concepts Joint preparation Outbreak investigation (Malachi Arunda)	Outbreak exercise Workshop
Break					
14.45-16.00		Graphs – STATA (Davide Valentin)			Outbreak exercise Workshop
16.00					Evaluation session

Mandatory sessions

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week 4	Monday (12/02)	Tuesday (13/02)	Wednesday (14/02)	Thursday (15/02)	Friday (16/02)
9.00-10.15		Individual work		Q&A session (Malachi Arunda by mail)	Project Presentation (Malachi Arunda)
Break					
10.30-12.00	Seminar: Contagion (Malachi Arunda)	Individual work		Q&A session (Malachi Arunda by mail)	Project Presentation (Malachi Arunda)
Lunch					
13.00-14.30	Refreshing STATA Data interpretation (Malachi Arunda)	Peer review (Anna Borgström and Malachi Arunda)			Project Presentation (Malachi Arunda)
Break					
14.45-16.00	Refreshing STATA Data interpretation (Malachi Arunda)	Peer review (Anna Borgström and Malachi Arunda)			Project Presentation (Malachi Arunda) Attendance mandatory

Mandatory sessions

LEGEND

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