

Introduction to Disease Outbreak Investigation

Syllabus

Content & Requirements

The course content is developed using a case-based problem divided into two main chapters: 1) Introduction to Outbreak Investigation and 2) Infection Prevention and Control in Acute Respiratory Infections for Health Workers in Low and Middle-Income Countries. It is 8 weeks long, with each week containing one unit of interactive video content, mandatory lectures, activities, quizzes, assessments, and the requirements listed at the beginning of each unit.

Learning Objectives

At the end of the course, the participants will be able to:

- define the concepts and characteristics of **disease outbreak, epidemic, and pandemic**;
- recognise the main differences to determine a **possible, probable or confirmed case** in an outbreak;
- identify the characteristics, advantages, and disadvantages of the **main epidemiological study designs to investigate an outbreak**;
- recognise the objectives of **containment and mitigation measures in outbreak response**;
- identify key elements for **effective risk communication** for outbreak response.

Target Group

Master and PhD students

Learning Concept

Online, with **asynchronous sessions**, using **Moodle** platform.

Duration and Credits

The module lasts **8 weeks**, and is designed for **90 working hours**, including 30h working with online material and meetings and around 60h of self-study and project work. The course offers **3 ECTS** (needs to be approved by the student's home institution).