# COURSE DETAIL

## OUTSMARTING THE NEXT OUTBREAK: THE SCIENCE OF EMERGING PATHOGENS

**Country**
United Kingdom - England

**Host Institution**
University of Cambridge, Pembroke College

**Program(s)**
Summer in Cambridge

**UCEAP Course Level**
Upper Division

**UCEAP Subject Area(s)**
Health Sciences Biological Sciences

**UCEAP Course Number**
119

**UCEAP Course Suffix**
S

**UCEAP Official Title**
OUTSMARTING THE NEXT OUTBREAK: THE SCIENCE OF EMERGING PATHOGENS

**UCEAP Transcript Title**
EMERGING PATHOGENS

**UCEAP Quarter Units**
5.00

**UCEAP Semester Units**
3.30

**Course Description**

This course offers a comprehensive understanding of how pathogens emerge, evolve and spread as well as an insight into the cutting-edge tools applied in their study and measures for their control. The course moves from pathogen-related genetic factors that enable pathogens to adapt to new hosts or acquire antibiotic resistance that make them so difficult to treat, through to ecological and host factors such as intensive agriculture, and climate change that bring us in to contact with new diseases.

**Language(s) of Instruction**
English

**Host Institution Course Number**

**Host Institution Course Title**
OUTSMARTING THE NEXT OUTBREAK: THE SCIENCE OF EMERGING PATHOGENS

**Host Institution Course Details**
https://www.pem.cam.ac.uk/international-programmes/pembroke-cambridge-summer-pr…

**Host Institution Campus**

**Host Institution Faculty**
Science and Mathematics

**Host Institution Degree**

**Host Institution Department**

**Course Last Reviewed**
2026-2027

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