

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

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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**

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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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