COURSE DETAIL

MATHEMATICS WORKSHOP - THE ART OF DISCOVERY
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) Mathematics
UCEAP Course Number 107
UCEAP Course Suffix S
UCEAP Official Title MATHEMATICS WORKSHOP - THE ART OF DISCOVERY
UCEAP Transcript Title MATHEMATICS WORKSHP
UCEAP Quarter Units 5.00
UCEAP Semester Units

3.30

Course Description

This interactive course revolves around problem-solving and both playing and analyzing mathematical games. Throughout the course, students are given a sequence of carefully selected problems to solve individually. Students are given ample time to think about the questions - with hints from the instructors as needed - and they receive follow-up problems after each problem solved. Later in the course, the solutions and key learnings are presented by the instructors. Topics include mathematical games, graph theory, chapters from combinatorics, information theory, and invariants.

Language(s) of Instruction
English

Host Institution Course Number

Host Institution Course Title
MATHEMATICS WORKSHOP - THE ART OF DISCOVERY

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
2023-2024

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