

# COURSE DETAIL

## COMBINATORICS AND GRAPH THEORY

**Country**

United Kingdom - Scotland

**Host Institution**

University of Edinburgh

**Program(s)**

University of Edinburgh

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Mathematics

**UCEAP Course Number**

107

**UCEAP Course Suffix****UCEAP Official Title**

COMBINATORICS AND GRAPH THEORY

**UCEAP Transcript Title**

COMBINATORICS&GRAPH

**UCEAP Quarter Units**

4.00

**UCEAP Semester Units**

2.70

**Course Description**

This first course in combinatorics and graph theory includes graphs, Euler's  $V-E+F=2$  Theorem, Kuratowski's Theorem, counting sets, generating functions, matching, Hall's Marriage Theorem, Polya counting, and counting paths in graphs.

**Language(s) of Instruction**

English

**Host Institution Course Number**

MATH10072

**Host Institution Course Title**

COMBINATORICS AND GRAPH THEORY

**Host Institution Course Details**

<http://www.drps.ed.ac.uk/23-24/dpt/cxmath10072.htm>

**Host Institution Campus**

Edinburgh

**Host Institution Faculty****Host Institution Degree****Host Institution Department**

Mathematics

**Course Last Reviewed**

2023-2024

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