

COURSE DETAIL

GROUP 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

139

UCEAP Course Suffix**UCEAP Official Title**

GROUP THEORY

UCEAP Transcript Title

GROUP THEORY

UCEAP Quarter Units

4.00

UCEAP Semester Units

2.70

Course Description

This is a course in abstract algebra, although connections with other fields will be stressed as often as possible. It is a systematic study of the basic structure of groups, finite and infinite. Topics include homomorphisms, isomorphisms, and factor groups; group presentations and universal properties; Sylow theorems and applications; simple groups and composition series; classification of finite abelian groups and applications; and solvable groups and the derived series.

Language(s) of Instruction

English

Host Institution Course Number

MATH10079

Host Institution Course Title

GROUP THEORY

Host Institution Course Details

<http://www.drps.ed.ac.uk/22-23/dpt/cxmath10079.htm>

Host Institution Campus

University of Edinburgh

Host Institution Faculty

Host Institution Degree

Host Institution Department

School of Mathematics

Course Last Reviewed

2022-2023

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