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 Campus
University of Edinburgh

Host Institution Faculty

Host Institution Degree

Host Institution Department
School of Mathematics

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