COURSE DETAIL

GRAPHS AND GROUPS
Country Denmark
Host Institution University of Copenhagen
Program(s) University of Copenhagen
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Mathematics
UCEAP Course Number 130
UCEAP Course Suffix
UCEAP Official Title GRAPHS AND GROUPS
UCEAP Transcript Title GRAPHS AND GROUPS
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

This course covers a number of fundamental topics concerning groups of graph automorphisms, with an emphasis on group-theoretic notions and results. Topics include fundamentals of graph theory and of group theory; graph automorphisms, transitive graphs; group actions on graphs; Cayley graphs, Schreier graphs; fundamental group of a graph, coverings; free group: definition, elementary properties; subgroups of free groups; and Hanna Neumann conjecture.

Language(s) of Instruction
English

Host Institution Course Number
NMAK23004U

Host Institution Course Title
GRAPHS AND GROUPS

Host Institution Course Details
https://kurser.ku.dk/course/nmak23004u/2023-2024

Host Institution Campus

Host Institution Faculty
Science

Host Institution Degree
Master

Host Institution Department
Mathematical Sciences

Course Last Reviewed
2023-2024

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