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 Campus

Host Institution Faculty
Science

Host Institution Degree
Master

Host Institution Department
Mathematical Sciences

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