

# COURSE DETAIL

## INVITATION TO COMBINATORICS

**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**

146

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

INVITATION TO COMBINATORICS

**UCEAP Transcript Title**

COMBINATORICS

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## Course Description

This course provides a panorama on the relationship and interplays between discrete mathematics, often called combinatorics, and other areas such as representation theory and algebraic geometry. A particular focus is on learning algebraic, geometric, and probabilistic methods in combinatorics. Specific topics are selected based on current research. Topics discussed include probabilistic methods and extremal combinatorics, algebraic methods and formal power series, and geometric combinatorics and discrete geometry.

## Language(s) of Instruction

English

## Host Institution Course Number

NMAK21013U

## Host Institution Course Title

INVITATION TO COMBINATORICS

## Host Institution Campus

## Host Institution Faculty

Faculty of Science

## Host Institution Degree

Master

## Host Institution Department

Department of Mathematical Sciences

[Print](#)