Summer School in HUNGARY at the University of Dunaújváros

Experience excellent academic content and have fun at the same time!

CONTACT

9

PACKING AND COVERING PROBLEMS IN DISCREET GEOMETRY

Packing of congruent convex sets in a big container - Covering of a set by congruent convex sets

CONTENT

Discrete geometry has many real-world applications, especially in the field of as logistics and engineering. Packing and covering problems are special optimization problems concerning geometric objects in a given space or region.

The goal is to either pack a single container as densely as possible or pack all objects using as few containers as possible.

Many of these problems can be related to real-life packaging, storage and transportation issues.



COURSE AIM

After studying this course, you will:

- develop knowledge and understanding of packing and covering,
- understand some open questions in discrete geometry.
- see some application of discrete geometry questions, see connection between geometry and different branch of mathematics.

The classes will be taught by highly experienced academics. Students will receive official Transcripts of Records upon completion of the program.

This course would suit students strong in the field of mathematics,



especially those with a background in geometry.

TARGET GROUP

DUNAÚJVÁROSI EGYETEM (O) IINIVERSITY OF DIINAÚLIVÁBOS



OUICK FACTS 3 July - 14 July 2023 **n** Study format: short term Teaching method: on campus Credit points: 5 ECTS Workload: 40 teaching hours Qualification: Certificate from UOD Language: English

COURSE FEE



THIS INCLUDES

- All tuition, including lectures, seminars, and tutorials.
- Assessment, transcript of academic performance, and certificate.
- Accomodation at the student hostel
- Breakfast and lunch during the summer course
- Social activities, including two excursions to the Hungarian countruside