



SCUOLA GALILEIANA DI STUDI SUPERIORI



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DEGLI STUDI  
DI PADOVA

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**THEMATIC SCHOOL**  
**“Geometric problems in Analysis”**  
**a.y. 2023/24**

**Art. 1**  
**Thematic School**

Within the framework of DM 231 of 03/31/2023, which has as its first objective the "promotion of collaboration between University Schools of Higher Education and other Institutions of Higher Education, with the aim of establishing partnerships and conventions for the organization of common educational activities", the Galilean School of Higher Education (SGSS) of the University of Padua is organizing in collaboration with the Scuola Normale Superiore (SNS) of Pisa a thematic school called " Geometric problems in Analysis". The school will be held in-person from June 10th to June 12th, 2024 at the Galilean School in Padua, for a total of 15 hours, corresponding to 2 University Educational Credits (CFUs).

The official language of the school is English.

A maximum number of 25 participants are expected to attend the school.

**Art. 2**  
**Learning objectives**

The main learning objective of the Thematic School is to provide an introduction to advanced topics in Mathematical Analysis and Geometric Analysis, which are not normally covered in the curricular teachings of the master's degree. By the end of the course, students will be familiar with some central topics in this area.

**Art. 3**  
**Target audience and admission requirements**

The target audience of the course is students at Italian universities who meet the following requirements:

- Be enrolled in a master's degree program in mathematics, at the third year of an undergraduate degree program in mathematics or at a PhD course in mathematics;
- Be on par with the exams required by their curriculum with a grade point average of at least 27/30;
- Have a (self-certified) knowledge of English at least at the B2 level.

The requirements must be met on the date of application.

If applications exceed the positions available, applications will be evaluated using the following criteria:



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- Evaluation of academic career and curriculum (undergraduate degree grade; average grades; consistency of academic progress; documented experiences of study periods abroad; any publications).

In addition, preferential consideration will also be given in descending order of priority to:

- Undergraduate students or Master's degree students who are students of the SNS and SGSS;
- SNS PhD students;
- Undergraduate students or Master's degree or PhD students who are enrolled in one of the Italian Schools of Higher Education;
- Other undergraduate students or master's degree students;
- Other doctoral students.

#### **Art. 4**

#### **Course organization**

The course will have two regular days (10th and 11th June 2024), each composed of six hours of lectures and one day (12th June 2024) with seminars by qualified guests. The speakers will be Prof.:

- Alessandro Carlotto (University of Trento);
- Alessio Figalli (ETH Zurich);
- Anna Skorobogatova (University of Princeton).

#### **Art. 5**

#### **Admission**

Those wishing to apply for admission to the thematic school must do so exclusively online no later than **May 10th, 2024** using the service accessible at:  
[scuolagalileiana.unipd.it/scuolatematicamatematica2024](https://scuolagalileiana.unipd.it/scuolatematicamatematica2024).

The following documents must be attached to the application, under penalty of ineligibility for the course:

- Valid ID;
- Self-certification of English language proficiency at least at the B2 level;
- Self-certification of enrollment in a master's or doctoral degree program or a the third year of an undergraduate degree course among those specified in Article 3;
- Self-certification of exams taken and their grade or historical certificate of exams taken or transcript of records.
- Self-certification of any other qualifications (documented experiences of study periods abroad; any publications)

Students from Schools of Higher Education must also provide self-certification of their enrollment in said schools.



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Applications completed after the deadline or in a different manner from that specified in this article, whatever the reason, will not be considered.

False acts and false statements are punishable under the Penal Code and the special laws on the subject, Articles 75 and 76 D.PR. 445/2000.

The SGSS may at any time during the proceedings, even after the start of the Course, make checks on the truthfulness of the statements made and documents produced and request the production of the original documents. In case of false statements, the SGSS may order by reasoned Decree of the Director the exclusion of candidates, without prejudice to the criminal liability arising therefrom.

#### **Art. 6 Tuition fees**

Participants to the course will be provided room and board in facilities identified by the organizers for the period from June 9th to June 12th and will be entitled to reimbursement of travel expenses (Second Class Train Tickets), up to a maximum of €200.

#### **Art. 7 Final title**

At the end of the course, to those who have attended at least 80% of the lectures with profit, the SGSS will issue a certificate of attendance with value within the limits allowed by law, indicating the CFUs achieved.

#### **Art. 8 Responsible for the selection process and processing of personal data**

According to Article 4 of Law No. 241 of August 7, 1990 (New rules on administrative procedure and the right of access to administrative documents) as amended, the Director of the Galilean School is appointed as the person in charge of the procedure referred to in this announcement, Prof. Gianguido Dall'Agata - via VIII Febbraio 1848, 2 - 35122 Padova - tel. 049.8278938 E-mail: scuola.galileiana@unipd.it

Information about the privacy policy is posted on the "Privacy Policy" page of the Galilean School website.

Prof. Gianguido Dall'Agata  
Director of the Galilean School of Higher Education