



Seminar 2022/2023

Purpose

In this course the students get acquainted with the state-of-art of several topics in Applied Mathematics and their applications in a research context. This course will help the students to prepare for research activities and to strengthen their ability to carry out the research work at the adequate level required for a PhD degree.

Course Description

- There will be several research seminars presented by Researchers from the Universities of Minho, Aveiro and Porto, as well as from the University of Trás-os-Montes e Alto Douro. The first seminar will be on the 14th of October of 2022.
 - The seminars will take place in the Department of Mathematics, Room 3.08, or they can be presented using Colibri-Zoom.
 - There will be seminars every week, taking place usually on Friday from 2:30pm to 5:00pm, see the announcements at <https://map-pdma.up.pt/2022-2023-edition/>
 - Each seminar will last 45 minutes, followed by 15 minutes for discussion.
 - In each seminar a research theme will be proposed.
 - The seminars will be in English.
- The students must attend at least 8 seminars.
- The students must write a summary with discussion of at least 5 seminars. Each summary must not exceed one page A4 (times new roman 11pt font size) and must be sent by email (map.pdma@math.uminho.pt) within 10 days after the seminar.
- **Each student must choose one of the research themes proposed** and prepare a 40 minutes talk. This will be accomplished under the supervision of the Researcher or Professor who proposed the research theme. The talks presented by the students will take place on February 15-16-17.

Grades

- Final grade is given in points out of 20 and is obtained by the formula $0.4R + 0.6T$, rounded to units, where R is the arithmetic mean of the 5 higher ratings of the summaries of the seminars and T is the grade of the talk.

Instructors

- Ana Jacinta Soares and Pedro Patrício.