• Number of students – 1,348
• Number of employees – 128
• Number of departments – 11
• Number of fields of study – 3

**About the faculty**

The mission of the faculty is to reliably conduct scientific research and educate students and doctoral students. In research, our willingness to take on difficult topics is important. In education, we want our studies to both provide up-to-date knowledge and teach critical thinking with appropriate precision, as well as to develop curiosity and social responsibility.

It is equally important for us to build students' competencies that allow for a good start in the labour market. We are the only unit in the region educating future teachers of mathematics, using state-of-the-art teaching methods. The data analysis field of study is a response to the challenges of the modern world, in which the skills of extracting knowledge from the vastness of information we are provided with and critically looking at this information become essential.

**Key research areas:**

• Functional analysis
• Differential geometry
• Algebraic and analytic geometry
• Computer Science and Applications
• Optimisation
• Probability Theory and Applications
• Differential equations
• Topology and real analysis
• Dynamic systems
The visibility of our research is manifested by, among others, the fact that two of our employees are among the top 2% of researchers in the world according to Stanford University, SciTech Strategies and Elsevier (the database of the most highly cited scientists in the world).

Educating students as part of one of the first fields of study in Poland, which is data analysis. The field of study has been created as a response to the expectations of the labour market and its curriculum has been consulted by the economic environment. The faculty has participated in the creation of a new University of Lodz unit – Centre for Data Analysis, Modelling and Computational Sciences (CAMiNO), which is a response to the growing interest in the use of analytical tools in scientific projects.

Modern education of future teachers based on a unique study curriculum consisting in the preparation of mathematics teachers taking into account scientific achievements in psychology, didactics and pedeutology as well as development of ICT. The project is co-financed by the European Union.

**Fields of study**

**First-cycle studies:**

- Informatics
- Mathematics
- Data analysis (engineering or bachelor’s studies)

**Second-cycle studies:**

- Informatics
- Mathematics
- Data analysis

**Fields of study in English:** Computer Science specialisation - the field of study of Informatics