

STUDY at WULS

The **Faculty of Applied Informatics and Mathematics** is one of the faculties at Warsaw University of Life Sciences (SGGW) - the most innovative and creative public University in Poland.

At present there are over 800 students and 14 Phd students enrolled at the Faculty and over 90 university teachers in 4 Departments:

Informatics, Applied Informatics, Econometrics and Statistics and Applied Mathematics.

The Faculty offers two study programs:

- Informatics and Econometrics, both BSc and MSc degree;
- Informatics, both Eng. and MSc degree;

The research is concentrated on applications of mathematics and informatics in many disciplines. The most important research areas are: computer vision and image recognition, econometric modeling in natural sciences and business, mathematical modeling in computer science, engineering and natural sciences, advanced data mining.

The education is supported by SAS, R, Matlab, Mathematica, Statistica.

The stress is put on practical skills that can be acquired in new and perfectly equipped laboratories:

- Cisco Technologies Lab,
- Electronics Lab,
- Digital Electronics Lab,
- Computer Networks Lab,
- Teleinformatics Lab.

Students of the Faculty have a chance to develop their own interest in one of student groups: Silver.NET or Linux Group (StuKoLi).

The following subjects taught in English are offered:

- Building Database Applications Using MS Access
- Computer aided business
- Computer Simulation in Mechanics with Mathematica
- Credit Ratings and Migration Matrices in Financial Risk
- Curve and surface reconstruction
- Data Integration System (ETL)
- Introduction to Numerical Methods
- Introduction to Quantum Informatics
- Management Information System
- Management Information System Design
- Mathematical Economics
- Mathematical Models in Biology and Economics
- Nonlife actuarial models
- Object-oriented programming
- Operations Research
- Programming with Mathematica
- Quantitative methods in financial derivatives
- Reporting Services (ETL)
- Structured Query Language (SQL)
- Theory and practice of a portfolio optimization
- Vanilla and exotic options
- Working with Excel Macros
- Robust methods in image processing



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