

COURSE DESCRIPTION.

Course Name	Introduction to the mathematical profession.
Supervisor	Dr. Tomasz Adamowicz, IM PAN Warsaw
ECTS credit allocation	1 – SD IM PAN program; Recommended 3 credits for master's programs per semester
Duration	One semester
Number of hours	15
Language	English or Polish if every participant speaks Polish
Prerequisites	General knowledge in mathematics at the level of undergraduate studies.
Course content	<ol style="list-style-type: none"> (1) How to lead lectures and recitations. (2) How to prepare classes. Preparation of quizzes, tests, final exams, etc. (3) Teaching small groups of students vs. large courses. (4) How to write mathematical papers, style of presentation and language issues. (5) How to apply for grants, fellowships and postdoctoral positions. Job applications. (6) Comparison between polish system of higher education and other systems.
Recommended reading	Steven Krantz, A mathematician's survival guide. Graduate school and early career development. <i>American Mathematical Society, Providence, RI, 2003. xvi+222 pp. ISBN: 0-8218-3455-X.</i>
Learning outcomes	<ol style="list-style-type: none"> (1) Choosing the appropriate teaching techniques depending on type of classes. (2) Methods of preparing classes, techniques of presentation. (3) Designing tests, quizzes, exams. (4) Evaluation of students progress. (5) Monitoring of the process of learning. (6) Selfevaluations of teaching and techniques of implementing this information in further teaching process. (7) Initiating the group working during the classes. (8) Diagnosing the didactic situations and improving teachers skills and knowledge.
Assessment methods and criteria	Attendance and final exam.
Remarks	