Mathematical Institute
Polish Academy of Sciences

COURSE DESCRIPTION

Course Name	Analytic Theory of Differential Equations
Course type	research seminar (sd)
Supervisor	Grzegorz Łysik
ECTS credit allocation	1 – IM PAN Ph. D. program; 3 recommended for MA programs
Duration	two semesters
Number of hours	30
Language	English or Polish if every participant speaks Polish
Prerequisites	Good knowledge of methods of mathematical analysis and differential equations
Course content	The seminar is devoted to the study of analyticity of solutions of ordinary and partial differential equations as well as difference equations It is a research seminar and the latest achievements in the field will be presented.
Recommended reading	W. Balser, Formal power series and linear systems of meromorphic ordinary differential equations. Universitext. Springer-Verlag, New York, 2000. Other readings will be presented during the seminar.
Learning outcomes	Have a knowledge on latest research achievements in the field Can study latest research articles. Is capable to present results of discussed problems.
Assessment methods and criteria	On evaluation of presented talks
Remarks	