

COURSE DESCRIPTION

Course Name	„IMPANGA” - Algebraic Geometry at IM PAN
Course Type	Research seminar
Supervisor	Jarosław Buczyński, Piotr Pragacz
ECTS credit allocation	1– IM PAN Ph. D. program; 3 - recommended for MA programs
Duration	Two semesters
Number of hours	30
Language	English
Prerequisites	Algebraic geometry
Course content	This is a bi-weekly meeting of Polish researchers in algebraic geometry, mainly in complex algebraic geometry. Typically it gathers together participants from Warsaw, Cracow, Gdańsk, and sometimes Poznań. Participants are on all levels of experience, from Master students to senior Professors. During the lectures the recent research achievements of participants are presented. Occasionally, workshops, conferences or research groups are organised (approximately, three events each year).
Recommended reading	Any textbook in algebraic geometry, for instance: R. Hartshorne „Algebraic Geometry”
Learning outcomes	<ol style="list-style-type: none"> 1. The student can list and explain fundamental contemporary directions and areas of study in algebraic geometry, especially those which are actively pursued in Poland. 2. The student collaborates with other participants of the seminar, takes part in discussions between the lectures, shares her/his remarks and comments on the topics described at the seminar. 3. The student is able to formulate partial questions and conjectures in algebraic geometry, distinguishes conceptual problems from technical issues. 4. The student knows the limitations of both the general and her/his own knowledge related to the topics presented at the seminar, is able to assess the need and possibilities of developing this knowledge. 5. The student is able to present his own research in a clear

	manner, providing an overview, history and motivation for the problems.
Assessment methods and criteria	Regular, active participation in the seminar and related activities (workshops, research groups, conferences)
Remarks	The web-page of IMPANGA: http://www.impan.pl/~pragacz/impanga.htm