

Study program: Astronomy and Astrophysics - PhD studies			
Course: Special course 1			
Teacher or teachers: PhD thesis advisor			
Status: compulsory			
ECTS Credits: 9			
Requirements: none			
Course objective: Introducing students to selected contemporary topics and new results in the field of astronomy and astrophysics related to the doctoral dissertation.			
Learning outcome: Upon completion of the course, the student has advanced knowledge of the chosen topic in the field of astronomy and astrophysics necessary for doctoral dissertation research.			
Course description: The name and content of this course are adopted at the beginning of the school year by the Department of Astronomy, at the suggestion of the mentor of the doctoral dissertation. Content includes: - Introduction to the selected field. An overview of the field and the latest results. - Theoretical bases, methods and techniques. - Practical aspects and application. - Open questions and possible directions for further research. The special course should be closely related to the topic of the doctoral dissertation.			
Recommended literature: Contemporary literature for the chosen field, including papers from scientific journals.			
Total number of classes: 10		Theoretical classes: 4	Practical classes: 6
Teaching methods: Frontal, Group, Individual Research Approach			
Grading system (maximum number of points: 100)			
Pre-exam requirements	points	Final exam	points
Activity in class		Written exam	
Practical work		Oral exam	70
Colloquia			
Seminars	30		