

Level: bachelor				
Course title: Fundamentals of the solar system				
Status: elective				
ECTS: 6				
Requirements:				
Learning objectives Acquiring the basic knowledge of the structure, composition and theories of the Solar system.				
Learning outcomes After completing the course, students should possess: <ul style="list-style-type: none"> - Capacity to follow the relevant technical literature. - Understanding of the composition, structure, and theoretical models of the Solar system material. - Basic knowledge of the properties of planets, satellites and small bodies in the Solar System. - Ability to transfer the acquired knowledge to other individuals and groups. 				
Syllabus <i>Theoretical instruction</i> General features of the Solar system. The position of our planetary system in space. Hypotheses and theoretical understanding of the origin and evolution of the Solar system. The Sun: physical properties, power generation, the consequences of the apparent annual motion. Satellites: spatial distribution, movement, shape and size, physical characteristics. Theories of evolution and relief characteristics of the moon. Asteroids: spatial distribution, size, movement. Comets: physical and chemical composition, natural movement. Meteors: physical characteristics and systematization, movement. Preparation and public presentation of seminars, which follow the lectures.				
Weekly teaching load				Other:
Lectures: 3	Exercises: 1	Other forms of teaching: 1	Student research:	