- COURSE SYLLABUS

1.	Course title:		
	Basic Space Physics		
2.	Lecturer:		
	Prof. dr hab. Jan Błęcki		
3.	Field, type and level of studies, year of study: Space plasma, magnetosphere, ionosphere, spce weather, all years of study		
4.	Course character:		
	monographic lecture,		
5.	Teaching method:		
	traditional or on-line		
6.	Language:	English, Polish, depending on the audience	
7.	Course type and number of hours:		
	lecture, 36h		
8.	Estimated load of student's independent work:	10h	
9.	Total workload and number of ECTS points:	eg., 36 h, 6 ECTS	
10.	Short description and main focus of the course:		
	 The Earth in the Solar System and in the Universe . Earth's atmosphere –its structure and dynamics. Plasma – definition and fundamental features . The Sun –its structure, activity and Solar Wind. Magnetic Field of the Earth. The Ionosphere – origin, structure and variability. Propagation of the electromagnetic waves in the ionosp disturbances in space on it. The Magnetosphere – creation, structure and processe 10. Disturbances in the near Earth space- their sources and responsible for their. Overall picture of the Solar-Earth connection s- Space N 12. Cosmic rays – basic information. Influence of the disturbances in the space around Earth constructions in space and on the ground and on the people . 	s within it. d physical processes Weather.	
11.	References: Wolfgang Baumjohann, Rudolf Treumann, Ba May-Britt Kallenrode, Space Physics.Tamas I.Gombosi, Pl Environment.		

12.	Prerequisites:		
	Good knowledge of physics and amthematics		
13.	Educational outcomes:	PQF level 8 codes:	
	Knowledge:	eg., P8S_WG,	
	Practical Skills:	eg., P8S_UW,	
	Social Skills:	eg., P8S_KK,	
14.	Evaluation of the educational outcomes:		
	written exam,		
15.	Criteria to complete the course:		
	Presence on lecturs, final exam min.60% correct answers		
16.	Contact with the lecturer:		
	Email:jblecki@cbk.waw.pl, room 25.		