Introduction to Nonlinear Physics - COURSE SYLLABUS



	Course title:		
	Introduction to Nonlinear Physics		
2.	Lecturer:		
	Prof. Łukasz A. Turski		
3.	Field, type and level of studies, year of study:		
	All years of study		
4.	Course character:		
	GeoPlanet interdisciplinary lecture		
5.	Teaching method:		
	on-line		
6.	Language:	English	
7.	Course type and number of hours: lecture and some seminars		
	lecture		
8.	Estimated load of student's independent work:	depending on student interest about the lecture	
		time plus home repetition 1- 2h a week	
9.	Total workload and number of ECTS points:		
9.	Total workload and number of ECTS points: Short description and main focus of the course:	2h a week	

	5) Conclusions		
11.	References:		
	Textbook of main references to theoretical physics:FROM New in Theoretical Physics. D. Stauffer, H.G. Stanley springer Verla translation WNT 1996		
12.	Prerequisites:		
	Fluent knowledge of mathematics contained in standard physics education curricula		
13.	Educational outcomes:	PQF level 8 codes:	
	Knowledge: of several important physical phenomena and their description	P8S_WG	
	Practical Skills: application of theoretical physics tools to analysis of complex phenomena in nature	P8S_UW	
	Social Skills: not get lost in contemporary civilization	P8S_KK	
14.	Evaluation of the educational outcomes:		
	depending on number of students: short seminars on suggested topic or oral exam		
15.	Criteria to complete the course:		
	participation in lectures and final exam		
16.	Contact with the lecturer: <u>laturski@cft.edu.pl</u> , personal meeting on chosen date and hour		