Program	Level			First cycle				
	Name of the program			Mathematics and Informatics Education, Theoretical				
			Ce	Computer Science				
	<u>l</u>			OURSE				
Course title Numerical Methods								
Course code	Semester	Со	urse status	ECTS Contact hours (L+AE+LE)				
CS 220	III	Ma	ndatory cou	rse	4	2+1+2		
Lecturer								
Course Goals	The aim of the course is to introduce the students to basic algorithms for numerical solving characteristic problems that arise both in pure mathematics and in applications in science and technology.							
Learning Outcomes	Upon succesful completion of the course students will be able to:							
	- Be familiar with algorithms for solving standard problems of a numerical nature.							
	- To be able to independently program numerical algorithms.							
COURSE CONTENT								
[2] L.N. Trefeth	calculating b he interpola working wir matrix decor numerical di and automat numerical in the numerical physics and ethod and si linear progr	pasic elements tion type. th matrices. mpositions. ifferentiation ic differentiat tegration. al solution of technology. mulations. amming. , Numerical I i III, Numerical ar Algebra w	ary functions ion. differential <u>LIT</u> Mathematics cal Linear Al ith Applicati	s equations. BRATURE and Computing gebra, SIAM (19 ons using MATI	97) AB, Elsevier	. ,		
	T			LOAD (hours in				
Lectures	30	Tutorial	45	Individual wo	rk	Total	100	
	GRAD				REN	MARKS		
Criterion		Maximum points	Minimum points					
Midterm exams		50	25					
Final exam		50	25					
Total		100	55					