Załącznik nr 2 do Pisma okólnego nr 14/2012

Faculty of Forestry									
Study programme:	Forestry	Degree level: full-time/part-time programme:			ielor's degree				
Specialization			Diploma path:			general academic-			
Module name:	Mathematics								
Module type:	obligatory	Ser	nester: I		ECTS		4		
No. of hrs in semester:	L -10	C - 20	LC-		Р	SW-			
Prerequisites:	Knowledge on the level of high school								
			Assessment	:			crean		
Teaching methods:	lecture and practice		lecture - oral exam, tests						
Aims and objectives:	Student will obtain fluency in use of mathematical methods and ability to formulate and use of mathematical models in understanding problems in forestry.								
Module content:	Sets and number functions. Sequence and number series. Limit and continuity of a function. Derivative of a function of one variable. Investigation of a function of one variable. Indefinite iintegrals. Definite integrals. Differential equations. Set of linear equations. Elements of analytical algebra.								
Learning outcomes	Learning outcomes:student should be ready to use mathematical methods and Relevance to the programm models to evaluate problems in forestry.							rogramme learning mes	
EK1	Defines sets, functions, series, derivatives, integrals						W		
EK2	Applies definitions and theorems						W,C		
EK3	Determines limits of series and functions						C		
EK4	Determines derivatives, integrals					C			
EK5	Figures out systems of linear equations					С			
LO6									
LO7									
LO8									
orkload	lecture attendance						10x1h=	10h	
	participation in consultings						5x1h=	5h	
	participation in classes					10x2h=	20h		
	preparation for tests					5x1h=	5h		
	preparation for evaluation and attendance					5h+2 h	7h		
nt w	preparation for and participation in exams/tests					10h+1h	11h		

studer									
				001					
			RAZEM:	63h					
			TOTAL:	60h					
quantitative indicators	Student workload - activities that re	38	1.5						
	Student workload - practical skills a	49	2						
basic references:	Edward Zych, Matematyka, Bialystok, 2004, W. Krysicki I inni, Analiza matematyczna w zadaniach, PWN, 2010, A. J. Kostrykin, Podstawy algebry, PWN, 2010.								
supplementary references:	Donald A. McQuarie, Matematyka, dla przyrodnikow I inzynierow, PWN, 2009, Helena Rasiowa, Wstep do matematyki wspolczesnej, PWN, 2010								
learning outcomes	methods of ass	type of class (if more than one) where the outcomes are assessed							
EK1	Defines sets, functions, series, deriv	W							
EK2	Applies definitions and theorems	W,C							
EK3	Determines limits of series and func	С							
EK4	Determines derivatives, integrals	С							
EK5	Figures out systems of linear equati	С							
Department:	Faculty of Forestry, TUof B, Hajnowka	Group instructors:	dr Michal Piwnik						
Date:	12-02-2012	Coordinator: dr Michal Piwnik							

L - lecture C - class LC - laboratory class P-project SW - specialization workshop S - seminar