

“BOGDAN VODĂ” UNIVERSITY OF CLUJ-NAPOCA
FACULTY OF ECONOMICAL SCIENCES
SPECIALIZATION: MANAGEMENT, MANAGEMENT BAIA MARE, FINANCE
AND BANKS, ACCOUNTING AND MANAGEMENT INFORMATICS
ACADEMIC YEAR 2010-2011

DISCIPLINE FILE

Name of discipline	MATHEMATICS APPLIED IN ECONOMY					
Code of discipline	EC 1102	Year	I	Number of credits	5	
		Semester	I			
Faculty	ECONOMICAL SCIENCES			Number of hours in semester /activities		
Profile	ECONOMIC			Total	C	S
Specialization	Management, Finance and banks, Accounting and management informatics			42	28	14
Course type DF – fundamental, DS – specialized, DC – complementary					DF	
Optional course category: DI – imposed, DO – optional, DF – facultative					DI	

Prevision disciplines	Mandatory disciplines (conditioned)
Objectives	<ul style="list-style-type: none"> students' learning of the principles underlying the applied mathematics to solve problems in economics
Content (description)	CHAPTER I – ELEMENTARY TRANSFORMATIONS. LINEARY EQUATION SYSTEMS CHAPTER II – MATHEMATIC ANALYSIS OF FUNCTIONS WITH SEVERAL VARIABLES CHAPTER III – PROBABILITY THEORY ELEMENTS CHAPTER IV – LINEARY PROGRAMMING

Form of evaluation (E – exam, C – colloquy/final test, CW – control works) E	
Final grade (percentage)	Knowledge evaluation will take into account: 100% - exam

Bibliography	<ol style="list-style-type: none"> 1. Blaga P., Mureșan A. – <i>Matematici aplicate în economie</i>, vol. I, Ed. Transilvania Press, Cluj-Napoca, 1996; 2. Jaradat M., Mureșan A. – <i>Matematici pentru economiști. Teorie și aplicații</i>, Ed. Risoprint, Cluj-Napoca, 2004; 3. Mureșan A. – <i>Matematici aplicate în finanțe, bănci și burse</i>, Ed. Risoprint, Cluj-Napoca, 2000; 4. Popescu O., ș.a. – <i>Matematici aplicate în economie</i>, Ed. Didactică și Pedagogică, București, 1998; 5. Purcaru I. – <i>Matematici financiare</i>, Vol. I, Ed. Economică, București, 1993; 6. Purcaru I. – <i>Matematici financiare</i>, Vol. II, Ed. Economică, București, 1993; 7. Râp I., Tulai I. – <i>Matematici aplicate în economie</i>, Ed. Risoprint, Cluj-Napoca, 2000. 				
List of necessary didactic materials	Course support				
Course holder	Didactic degree	Science title	First name	Name	Signature
	PROF.	PhD.	MIHAELA	JARADAT	