

# Syllabus

## 1. Programme information

1.1. Institution	THE BUCHAREST UNIVERSITY OF ECONOMIC STUDIES
1.2. Faculty	Business Administration in Foreign Languages
1.3. Departments	Department of Business Administration in foreign languages (UNESCO chair)
1.4. Field of study	Business Administration
1.5. Cycle of studies	Licence
1.6. Education type	Full-time
1.7. Study programme	Business Administration (in English language)
1.8. Language of study	English
1.9. Academic year	2024-2025

## 2. Information on the discipline

2.1. Name	Business decision-making processes with machine learning tools								
2.2. Code	24.0153IF3.2-0002								
2.3. Year of study	3	2.4. Semester	2	2.5. Type of assessment	Exam	2.6. Status of the discipline	O	2.7. Number of ECTS credits	5
2.8. Leaders	C(C)	prof.univ.dr. MICLEA Adriana					adriana.mihnea@fabiz.ase.ro		

## 3. Estimated Total Time

3.1. Number of weeks	14.00		
3.2. Number of hours per week	4.00	of which	
		C(C)	2.00
		S(S)	2.00
3.3. Total hours from curriculum	56.00	of which	
		C(C)	28.00
		S(S)	28.00
3.4. Total hours of study per semester (ECTS*25)	125.00		
3.5. Total hours of individual study	69.00		
<i>Distribution of time for individual study</i>			
Study by the textbook, lecture notes, bibliography and student's own notes	20.00		
Additional documentation in the library, on specialized online platforms and in the field	10.00		
Preparation of seminars, labs, assignments, portfolios and essays	10.00		
Tutorials	2.00		
Examinations	2.00		
Other activities	0.08		

## 4. Prerequisites

4.1. of curriculum	Course on Basic Microeconomics, according to the specific syllabus in the first year of study, undergraduate Course on Mathematics for Economists, according to the specific syllabus in the first year of study, undergraduate
4.2. of competences	Basic knowledge on utility function, incertitude, risk, expected utility theory Basic notions regarding the matriceal calculus, eigenvalues and eigenvectors

## 5. Conditions

for the C(C)	The course is using for general presentations the Power Point framework and for illustrative discussions or additional explanations . The basic rule is the interaction with the students, based on the compulsory study materials made available prior to the course.
for the S(S)	Seminarul consta in rezolvarea unor probleme specifice, discutarea unor articole stiitifice ce prezinta rezultate relevante pentru subiectul de studiu curent precum si din discutii asupra diferitelor stagii de dezvoltare ale proiectelor individuale.

## 6. Acquired specific competences

PREFESSIONAL	C2	Business/ Organizational administration assistance
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## 7. Objectives of the discipline

7.1. General objective	This course is an introduction into the decision theory, on both short and long term. Its aim is to contribute to the improvement of individual abilities in decision making by exposing its theoretical interDisciplina_Difr grounds together with a large selection of recent examples.
7.2. Specific objectives	The specific objectives are as follows: -Economic grounds of decision making theory -Decisions using Analytic Hierarchy Processes -Decisions using Game Theory -Experiments in strategic decisions using behavioral game theory

## 8. Contents

8.1. C(C)		Teaching/Work methods	Recommendations for students
0			
<b>Bibliography</b> -			
8.2. S(S)		Teaching/Work methods	Recommendations for students
0			
<b>Bibliography</b> -			

## 9. Corroboration of the contents of the discipline with the expectations of the representatives of the epistemic community, of the professional associations and representative employers in the field associated with the programme

The content of the course was established after joint deliberations with experts from the Institute of Economic Forecasting and Institute for Statistics and Applied Mathematics under the Romanian Academy Institutes.

**10. Assessment**

Type of activity	Assessment criteria	Assessment methods	Percentage in the final grade
10.1. Final assessment	written exam	written evaluatoin	60.00
10.2. Modality of grading	Whole notes 1-10		
10.3. Minimum standard of performance	getting a total average greater or equal to 5		

Date of listing,  
03/19/2024

Signature of the discipline leaders,

Date of approval in the  
department

Signature of the Department Director,