

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 Management Information Systems
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 German language)
1.8. Language of study	German
1.9. Academic year	2019-2020

2. Information on the discipline

2.1. Name	Management information systems								
2.2. Code	19.0155IF2.1-0005								
2.3. Year of study	2	2.4. Semester	1	2.5. Type of assessment	Test	2.6. Status of the discipline	O	2.7. Number of ECTS credits	3
2.8. Leaders	C(C)	conf.univ.dr. BOLDEANU D Dana Maria				boldeanud@cig.ase.ro			
	L/P(L/P)	conf.univ.dr. BOLDEANU D Dana Maria				boldeanud@cig.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
	L/P(L/P) 2.00
3.3. Total hours from curriculum	56.00 of which
	C(C) 28.00
	L/P(L/P) 28.00
3.4. Total hours of study per semester (ECTS*25)	75.00
3.5. Total hours of individual study	19.00
<i>Distribution of time for individual study</i>	
Study by the textbook, lecture notes, bibliography and student's own notes	5.00
Additional documentation in the library, on specialized online platforms and in the field	5.00
Preparation of seminars, labs, assignments, portfolios and essays	5.00
Tutorials	1.00
Examinations	1.00
Other activities	2.00

4. Prerequisites

4.1. of curriculum	
4.2. of competences	Current usage of the databases studied during the licence program.

5. Conditions

for the C(C)	Classroom equipped with multimedia teaching material.
for the L/P(L/P)	Lab equipped with multimedia teaching material.

6. Acquired specific competences

PREFESSIONAL	C5	Utilization of specific data bases for business administration
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7. Objectives of the discipline

7.1. General objective	Assimilation of knowledge and basic skills in order to participate to the implementation of a management information system as support of business processes.
7.2. Specific objectives	<ul style="list-style-type: none"> - Knowledge and application of modeling techniques to business processes and related information systems - Identifying and designing solutions to improve business processes based on IT opportunities - Systems development team focused on exploiting specific databases, covering information requirements for analysis, design and implementation phases

8. Contents

8.1. C(C)		Teaching/Work methods	Recommendations for students
1	Logical data modeling with examples illustrated by a case study	Lecture associated with PowerPoint support	Follow the documents uploaded on elearning platform online.ase.ro
2	Strategic role of information technology within organisations. Management information systems typology	Lecture associated with PowerPoint support	
3	Development cycle of management information systems. Models of development processes.	Lecture associated with PowerPoint support	
4	Definition and representation of system requirements (1): definition of business processes and subsystems related information, ways and techniques of data collection. Presentation of case studies used to illustrate lectures.	Lecture associated with PowerPoint support	
5	Definition and representation of system requirements (2): concepts and approach to business process modeling and work components. Illustration based on the case study	Lecture associated with PowerPoint support	
6	Definition and representation of system requirements (3): data modeling through EA formalism, typology and representation by restriction management integrity rules, representing the time evolution of the entities participating in the business process analysis. Illustrations in relation to the case study.	Lecture associated with PowerPoint support	
7	System design (1): defining new business process, defining work and computer work and interaction with users. Illustration for the case study.	Lecture associated with PowerPoint support	
8	System design (2): approach and derivation rules database system of EA model. Illustrations by case study.	Lecture associated with PowerPoint support	
9	Elements to achieve system (1): definition of system architecture, database creation and definition of integrity rules.	Lecture associated with PowerPoint support	
10	Elements to implement the system (2): Design and Implementation within the business process design.	Lecture associated with PowerPoint support	
11	Conceptual modeling processing	Lecture associated with PowerPoint support	
12	Introduction into service and operation of the management information systems.	Expunere asociată cu suport PowerPoint	
13	Synthesis course	Expunere asociată cu suport PowerPoint	
14	Knowledge verification exam	Written exam	

Bibliography

- Zaharie D. și colectiv, Proiectarea sistemelor informatice de gestiune - vol 1, ASE, Bucuresti, 2012, România
- K. Laudon, J. Laudon , Management Information Systems, 11th edition, Pearson Prentice Hall, 2010, Statele Unite ale Americii
- Wolfgang Mahnke, Komponentenbasierter Schemaentwurf für objekt-relationale Datenbankverwaltungssysteme , Logos Verlag Berlin, Berlin, 2004
- Boldeanu Dana Maria, Informationssysteme und datenbanen fur die unternehmensverwaltung, ASE, Bucuresti, 2014, România

8.2. L/P(L/P)		Teaching/Work methods	Recommendations for students
1	Introductory seminar, review of database concepts. Submission requirements for participation in case studies and project development group for final assessment.	Computer based, team work	Follow the documents uploaded on elearning platform online.ase.ro
2	Case Study 1 - overview, implementation, database creation.	Debates and effective implementation during labs	
3	Case Study 1 - update the database through forms and subforms	Debates and effective implementation during labs	
4	Case Study 1 - Implementation of integrity rules through macro commands using MS Access 2010	Debates and effective implementation during labs	
5	Case Study 1 - Automatic update and management of users controls	Debates and effective implementation during labs	
6	Case Study 1 - assesment	Individual assesment	
7	Modeling of business processes	Debates and modeling case studies	
8	Data modeling using EA model	Debates and modeling case studies	
9	Design of the new system (1): logical data modeling	Debates and modeling case studies	
10	Design of the new system (2): logical data modeling	Debates and modeling case studies	
11	Design of the new system (1): structuring and logical modeling process	Debates and modeling case studies	
12	Design of the new system (2): structuring and logical modeling process	Debates and modeling case studies	
13	Team projects assesment	Computer assesment	Projects are done in teams consisting of 2 students
14	Team projects assesment	Computer assesment	Projects are done in teams consisting of 2 students
<p><i>Bibliography</i></p> <ul style="list-style-type: none"> - Ivancenco, V., Boldeanu, D., Datenbanken: Theorie und Praxis, ASE, Bucuresti, 2006 - K. Kendall, J. Kendall, Systems analisys and design, 8th ed., Pearson Prentice Hall, 2011, Statele Unite ale Americii - 			

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

Discussion of the discipline syllabus with the representatives of the local business environment.

10. Assessment

Type of activity	Assessment criteria	Assessment methods	Percentage in the final grade
10.1. L/P(L/P)	Active participation during study cases	Attendance and study cases assesment	20.00
10.2. L/P(L/P)	Design and implementation of a functional mini system	Team project (2 persons)	30.00
10.3. Final assessment			50.00
10.4. Modality of grading	Whole notes 1-10		

10.5. Minimum standard of performance	- designing a valid information solution for improving the functioning of a business process within an enterprise / organization. - team desing and implementation of a mini system for solving business management issues using a specific database
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Date of listing,
05/12/2021

Signature of the discipline leaders,

Date of approval in the
department

Signature of the Department Director,