



COURSE DESCRIPTION
Business Information Systems
Academic year 2026-2027

1. Programme-related data

1.1. Higher Education Institution	Babeș-Bolyai University
1.2. Faculty	Business
1.3. Department	Hospitality Services
1.4. Field	Business Administration
1.5. Level of study	Bachelor
1.6. Degree programme / Qualification	Administrarea Afacerilor (engleză) Business Administration / Bachelor in Economic Studies
1.7. Form of education	Full time

2. Information regarding the discipline

2.1. Name of the discipline	Business Information Systems			Codul disciplinei	ILE0037
2.2. Course coordinator	Assoc. Prof. Rozalia Veronica Rus				
2.3. Seminar coordinator	Assoc. Prof. Rozalia Veronica Rus				
2.4. Year of study	2	2.5. Semester	1	2.6. Type of assessment	Viva voce
2.7. Course status	Compulsory			2.8. Course type	Domanin subject

3. Total estimated time (hours per semester of teaching activities)

3.1. Number of hours per week	4	of which: 3.2. course	2	3.3. seminar/ laboratory/ project	2
3.4. Total of hours in the curriculum	56	of which: 3.5. course	28	3.6. seminar/ laboratory	28
Time allocation for individual study (IS) and self-taught activities (ST)					hours
Learning from textbooks, course materials, bibliography, and notes (IS)					14
Additional research in the library, on subject-specific electronic platforms, and on-site					10
Preparing seminars/ laboratories/ projects, assignments, reports, portfolios, and essays					14
Tutoring (professional guidance)					2
Examinations					4
Other activities					0
3.7. Total hours of individual study (IS) and self-taught activities (ST)				44	
3.8. Total hours per semester				100	
3.9. Number of credits				4	

4. Prerequisites (where applicable)

4.1. curriculum-related	
4.2. skills-related	

5. Specific conditions (where applicable)

5.1. course-related	The course will be held in a room with computer (with Internet connection) and video projector. To have access to class materials students need a Microsoft institutional account, Microsoft Teams application, computer, Internet connection, Microsoft Office 365 (with Microsoft Access), Power BI.
5.2. seminar/laboratory-related	Computers, Internet access, a Microsoft institutional account, Microsoft Teams application, Microsoft Office 365 (with Microsoft Access), Power BI.

6.1. Competencies resulting from the completion of the degree programme

Professional competencies	
Competency code	Competency
PC5	Using databases specific to business management
	- C5.1. Description of concepts, theories, and methodologies of database management specific to business administration - C5.3. Use of appropriate tools for business management data analysis - C5.4. Critical and constructive evaluation of tools used in data processing and analysis
Transversal competencies	
Competency code	Competency
TC2	Identifying the roles and responsibilities in a multispecialty team and implementing various relational techniques and efficient teamwork

6.2. Learning outcomes relevant to the degree programme

Learning outcomes targeted by the subject		
Competency code	Knowledge and comprehension	Specific academic skills
CP5	The graduate has knowledge of accounting, processing, and analysing of economic and financial information required for an effective organisation and management of businesses.	The graduate has the necessary skills to use methods and techniques specific to the financial and accounting management of an enterprise as a whole, specialised software included.
CT2		

7. Subject-specific learning outcomes

Knowledge and understanding
1. The student defines and describes the fundamental concepts of information systems used in business.
2. The student identifies the concepts and technologies of relational database management specific to the field of business administration.
3. The student identifies and analyzes the concepts and technologies for business process automation specific to the economic domain.
4. The student describes the concepts associated with integrated information systems and data analytics (ERP, CRM, BI, Big Data).
Specific academic skills
1. The student applies IT tools for the analysis of economic data.
2. The student creates and manages economic databases for the storage and analysis of information.
3. The student uses automation tools to automate repetitive tasks in economic activities.
4. The student develops reports and dashboards for data visualization and analysis.

8. Contents

8.1. Course	Teaching and learning methods	Remarks
Information Systems - Basic concepts	lecture, discussion.	1 lecture
Components of information systems	lecture, discussion.	1 lecture
Database Management Systems	lecture, step-by-step training, discussion.	4 lectures
Tools for Business process modelling	lecture, step-by-step training, discussion.	1 lecture
Information system design	lecture, step-by-step training, discussion.	1 lecture
Enterprise Resource Planning	lecture, step-by-step training, discussion.	1 lecture
Customer Relationship Management	lecture, step-by-step training, discussion.	1 lecture
Business Intelligence, Big Data, tools for data analysis and visualization	lecture, step-by-step training, discussion.	2 lectures
Bibliography		
1. Baltzan, Paige (2021), Business Driven Information Systems, 7th Edition, McGraw Hill. 2. Bélanger F., Van Slyke, C., Clossler, R. E. (2016), Information Systems for Business, An Experiential Approach, Prospect Press. 3. Cable Sandra (2015), Succeeding in Business with Microsoft Access 2013: A Problem-Solving Approach. Mason, Ohio: Course Technology Cengage Learning. 4. Kroenke, D. M.&Boyle R. J. (2021), Using MIS, 11th edition, Pearson. 5. Monk, Ellen, Joseph Brady, and Emilio Mendelsohn (2020). Problem Solving Cases In Microsoft Access and Excel. Cengage Learning. 6. Reding, E. E., & Wermers, L. (2016). Illustrated Microsoft Office 365 & Excel 2016: Comprehensive. 7. Turban, Efraim, Carol Pollard, and Gregory Wood (2021). <i>Information Technology for Management: Driving Digital Transformation to Increase Local and Global Performance, Growth and Sustainability</i>. John Wiley & Sons. 8. Wallace, Patricia (2020), Introduction to Information Systems, 4th edition, Pearson. 9. Other resources: applications user guides		
8.2. Seminar/ laboratory	Teaching and learning methods	Remarks
Information Systems - Basic concepts	step-by-step training, didactic exercise, case studies.	1 laboratory
Components of information systems	step-by-step training, didactic exercise, case studies.	1 laboratory
Microsoft Access - General overview. Creating a blank desktop database, database operations, creating a database using a wizard	step-by-step training, didactic exercise.	1 laboratory
Creating and working with tables in Microsoft Access – practical exercises.	step-by-step training, didactic exercise.	1 laboratory
Practical exercises on creating relationships between tables.	step-by-step training, didactic exercise.	1 laboratory
Practical exercises on creating and working with queries.	step-by-step training, didactic exercise.	1 laboratory
Tools for Business process modelling.	step-by-step training, didactic exercise.	1 laboratory
Information system design.	step-by-step training, didactic exercise.	1 laboratory
Enterprise Resource Planning.	step-by-step training, didactic exercise, case study.	1 laboratory
Customer Relationship Management.	step-by-step training, didactic exercise, case study.	1 laboratory

Business Intelligence, Big Data, tools for data analysis and visualization.	step-by-step training, didactic exercise.	2 laboratories
Bibliography		
1. Baltzan, Paige (2021), Business Driven Information Systems, 7th Edition, McGraw Hill. 2. Bélanger F, Van Slyke, C., Clossler, R. E. (2016), Information Systems for Business, An Experiential Approach, Prospect Press. 3. Cable Sandra (2015), Succeeding in Business with Microsoft Access 2013: A Problem-Solving Approach. Mason, Ohio: Course Technology Cengage Learning. 4. Kroenke, D. M.&Boyle R. J. (2021), Using MIS, 11th edition, Pearson. 5. Monk, Ellen, Joseph Brady, and Emilio Mendelsohn (2020). Problem Solving Cases In Microsoft Access and Excel. Cengage Learning. 6. Reding, E. E., & Wermers, L. (2016). Illustrated Microsoft Office 365 & Excel 2016: Comprehensive. 7. Turban, Efraim, Carol Pollard, and Gregory Wood (2021). <i>Information Technology for Management: Driving Digital Transformation to Increase Local and Global Performance, Growth and Sustainability</i>. John Wiley & Sons. 8. Wallace, Patricia (2020), Introduction to Information Systems, 4th edition, Pearson. 9. Other resources: applications user guides.		

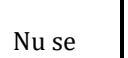
9. Evaluation

• The same evaluation criteria are maintained for all exams sessions. The components of the evaluation process carried out during the semester cannot be recovered/redone in the examination sessions. • To be able to accumulate the points obtained during the semester, it is mandatory to obtain a minimum of 5 (five) in the final exam (written/oral).

Type of activity	9.1 Evaluation criteria	9.2 Evaluation methods	9.3 Percentage in the final grade
9.4. Course	Defining and describing the fundamental concepts of information systems.	Theoretical test (multiple-choice, 20 questions), according to the scheduled examination date.	60%
	Explaining the principles of database management systems.		
	Applying IT tools for the analysis of economic data.		
	Identifying processes that can be automated.		
	Understanding ERP, CRM, BI, AI, and Big Data systems.		
9.5. Seminar/ laboratory	Creating and managing economic databases.	Laboratory activity (completed laboratory assignments saved in the student's personal OneDrive account).	10%
	Developing reports and dashboards (Power BI).	Project, Week 14 of the semester.	30%
9.6 Minimum standard for passing			
• Knowledge of the fundamental concepts and the ability to apply them through practical examples. • Creation of databases, tables, and relationships between tables in Microsoft Access, as well as adding records to tables. • Creation of reports in Power BI. • Use of the types of information systems presented during the course. Notes: • The project may be submitted only during the semester. • The project topic will be selected from a list of proposed topics • The project will be completed in teams (maximum 4 students per project);			

- The results obtained at the project or at the colloquium (theoretical test) will be cancelled when it is proved that they have been fraudulently obtained;
- The maximum allowable number of recoverable absences, whether justified or unjustified, from laboratory sessions is up to 15% of their total duration.

10. SDG labels (Sustainable Development Goals)¹

	 Sustainable Development Generic Label							
								
								Nu se aplică nici o etichetă
								

Date of entry:

29.05.26

Signature of course coordinator

Assoc. Prof. Rozalia Veronica Rus, PhD

Signature of seminar coordinator

Assoc. Prof. Rozalia Veronica Rus, PhD

Date of approval in the department:

31.05.26

Signature of the head of department

Assoc. Prof. Marius BOTA, PhD

¹ Select a single label which, according to the [Implementation of SDG labels in the academic process](#), best matches the subject. If the subject addresses sustainable development in a generic manner (i.e. by presenting/introducing the general framework of sustainable development, etc.), then the Sustainable Development generic label may be applied. If none of the labels describe the subject, select the last option: "No label applies."