



SYLLABUS Academic year 2022-2023

1. Information regarding the programme

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|-------------------------------------|-----------------------------------|
| 1.1 Higher education institution | Universitatea Babeș-Bolyai |
| 1.2 Faculty | Business |
| 1.3 Department | Hospitality Services |
| 1.4 Field of study | Business Administration |
| 1.5 Study cycle | Bachelor |
| 1.6 Study programme / Qualification | Business Administration |

2. Information regarding the discipline

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|----------------------------|--|------------------------|-----------------|
| 2.1 Name of the discipline | SISTEME INFORMATICE IN AFACERI/BUSINESS INFORMATION SYSTEMS | | |
| 2.2 Code | ILE0037 | | |
| 2.3 Course coordinator | Associate Prof. Mihaela-Filofteia Tutunea | | |
| 2.4 Seminar coordinator | Associate Prof. Mihaela-Filofteia Tutunea | | |
| 2.5. Year of study | 3 | 2.6 Semester | II |
| 2.7. Type of evaluation | C | 2.8 Type of discipline | Optional |

3. Total estimated time (hours/semester of didactic activities)

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|---|----|-----------------------|----|------------------------|-----------|
| 3.1 Hours per week | 3 | Of which: 3.2 lecture | 2 | 3.3 seminar/laboratory | 1 |
| 3.4 Total hours in the curriculum | 36 | Of which: 3.5 lecture | 24 | 3.6 seminar/laboratory | 12 |
| Time allotment: | | | | | hours |
| Learning using manual, course support, bibliography, course notes | | | | | 16 |
| Additional documentation (in libraries, on electronic platforms, field documentation) | | | | | 16 |
| Preparation for seminars/labs, homework, papers, portfolios and essays | | | | | 16 |
| Tutorship | | | | | 2 |
| Evaluations | | | | | 2 |
| Other activities:Exam preparation | | | | | 12 |
| 3.7 Total individual study hours | | | | | 64 |
| 3.8 Total hours per semester | | | | | 75 |
| 3.9 Number of ECTS credits | | | | | 3 |

4. Prerequisites (if necessary)

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|-------------------|----|---|
| 4.1. curriculum | 1. | - |
| 4.2. competencies | 2. | - |

5. Conditions (if necessary)

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|---------------------|---|
| 5.1. for the course | The course takes place in room with computer connected to the Internet, with installed software packages and video projector; Students are not allowed to delay and do not leave the room during the lectures; It is forbidden to use mobile phones in any way; |
|---------------------|---|



| | |
|--------------------------------------|---|
| | In each course, students participate in interactive activities and complete quizzes on the topics presented |
| 5.2. for the seminar /lab activities | The labs takes place in room with computers connected to the Internet, with installed software packages and video projector; Students are not allowed to delay and do not leave the room during the labs; The use of mobile phones is not allowed in any way during the laboratories; All study and practical work materials are available to students on Teams; Each student has the obligation to participate actively and interactively in the solving of the laboratory tasks, and the individual results are saved on Teams in each lab; |

6. Specific competencies acquired

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|----------------------------------|--|
| Professional competencies | <ul style="list-style-type: none"> gathering, processing, and analysing data regarding the interaction between a company/ an organisation and the external environment providing assistance for running a company/ an organisation as a whole using databases specific to business management |
| Transversal competencies | <ul style="list-style-type: none"> identifying the roles and responsibilities in a multispecialty team and implementing various relational techniques and efficient teamwork |

7. Objectives of the discipline (outcome of the acquired competencies)

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|--|---|
| 7.1 General objective of the discipline | Acquiring knowledge about business information systems in business administration - use and design |
| 7.2 Specific objective of the discipline | Acquiring knowledge about <ul style="list-style-type: none"> fundamental concepts related to BIS BIS - general concepts, classification, life cycle, the role, place and importance of the implementation and use of information systems in business; models used in business information systems; hardware and software infrastructure for BIS; specific types of BIS by activities/industries Training skills for design and implementation of specific BIS |

8. Content

| 8.1 Course | Teaching methods | Remarks |
|---|--|----------|
| Information systems – general concepts | Presentation, interactive exposure, practical examples from business environment, students participation | 1 course |
| Information systems - design and implementation | Presentation, interactive exposure, practical examples from business environment, students participation | 1 course |
| Hardware and software infrastructure for business information systems (BIS) | Presentation, interactive exposure, practical examples from business environment, students participation | 1 course |



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|--|--|----------|
| Integrated Information Systems (IIS) | Presentation, interactive exposure, practical examples from business environment, students participation | 1 course |
| Functional and transaction processing information systems | Presentation, interactive exposure, practical examples from business environment, students participation | 1 course |
| Information systems for management of marketing and sales | Presentation, interactive exposure, practical examples from business environment, students participation | 1 course |
| Information systems for human resource management (HRM) | Presentation, interactive exposure, practical examples from business environment, students participation | 1 course |
| Enterprise information systems (EIS) | Presentation, interactive exposure, practical examples from business environment, students participation | 1 course |
| Inter-organizational, large-scale and global information systems | Presentation, interactive exposure, practical examples from business environment, students participation | 1 course |
| Business intelligence and decision support systems | Presentation, interactive exposure, practical examples from business environment, students participation | 1 course |
| Tourism Information Systems | Presentation, interactive exposure, practical examples from business environment, students participation | 1 course |
| Intelligent technologies | Presentation, interactive exposure, practical examples from business environment, students participation | 1 course |
| Bibliography | <p>Buhalis D, eTourism, information technology for strategic tourism management, Prentice Hall, 2003</p> <p>Curtis G Cobham D, Business information systems, Analysis, design, and practice, 6th edition, Prentice Hal, 2008</p> <p>Nyheim P, McFadden F, Connoly D, Technology Strategies for Hospitality industry, pearson Prentice Hall, 2004</p> <p>Serban, G., Pop, H F.: Tehnici de Inteligenta Artificiala. Abordari bazate pe Agenti Inteligenti, Ed. Mediamira, Cluj-Napoca, 2004.</p> <p>Serban, G.: Sisteme Multiagent in Inteligenta Artificiala Distribuita. Arhitecturi si aplicatii, Ed. RisoPrint, Cluj-Napoca, 2006.</p> <p>Tesone D.V, Hospitality Information systems and E-commerce, Ed. John Willey&sons, 2006</p> <p>Turban E, Aronson Jay, Liang Ting-Peng, Sharda ramesh, Decision Support and Busines Intelligence Systems, 8th edition, Perason International Edition, 2007</p> <p>Turban E, Volonini Linda, Information Technology for management- transforming organization in the digital economy, 7th edition, Ed. John Willey&sons, 2010</p> <p>Tutunea, M, Instrumente IT pentru administrarea afacerilor, Presa Univ. Clujeana, Cluj-Napoca, 2012</p> <p>Any other documentation, printed or digital tutorials, websites, etc., relevant to studied material;</p> | |

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|--|---|---------|
| 8.2 Seminar / laboratory | Teaching methods | Remarks |
| Information systems – general concepts | Practical exercises, analysis, discussion problematization | 1 lab |



| | | |
|---|--|-------|
| Information systems - design and implementation | Practical exercises, analysis, discussion problematization | 1 lab |
| Hardware and software infrastructure for business information systems (BIS) | Practical exercises, analysis, discussion problematization | 1 lab |
| Integrated Information Systems (IIS) | Practical exercises, analysis, discussion problematization | 1 lab |
| Functional and transaction processing information systems | Practical exercises, analysis, discussion problematization | 1 lab |
| Information systems for management of marketing and sales | Practical exercises, analysis, discussion problematization | 1 lab |
| Information systems for human resource management (HRM) | Practical exercises, analysis, discussion problematization | 1 lab |
| Enterprise information systems (EIS) | Practical exercises, analysis, discussion problematization | 1 lab |
| Inter-organizational, large-scale and global information systems | Practical exercises, analysis, discussion problematization | 1 lab |
| Business intelligence and decision support systems | Practical exercises, analysis, discussion problematization | 1 lab |
| Tourism Information Systems | Practical exercises, analysis, discussion problematization | 1 lab |
| Intelligent technologies | Practical exercises, analysis, discussion problematization | 1 lab |
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9. Corroborating the content of the discipline with the expectations of the epistemic community, professional associations and representative employers within the field of the program

ITC knowledge and skills are absolutely necessary and are required specifically in any company
 All business information systems presented in the course are used in all national and international companies
 All practical applications are directly related to business activity in various fields

10. Evaluation

| Type of activity | 10.1 Evaluation criteria | 10.2 Evaluation methods | 10.3 Share in the grade (%) |
|--|---|-----------------------------------|-----------------------------|
| 10.4 Course | Understanding the concepts presented Logical consistency; Ability to apply concepts learned in business environment | test | 5 |
| 10.5 Seminar/lab activities | Ability to apply concepts learned; individual study Interest and interactive participation | Individual homework | 5 |
| | 95% active and interactive attendance | Files saved on Teams | 10 |
| | Individual projects – I, II | During semester – minim 5/project | 60 |
| | Projects presentation | Last two weeks - compulsory | 20 |
| OBS | The evaluation is the same for all the examination sessions!!! | | |
| 10.6 Minimum performance standards | | | |
| - basic knowledge of all studied modules and their application in practical examples - practical skills in using the studied software tools | | | |

Date _____ Course coordinator
Mihaela-Filofteia Tutunea, Phd

Seminar coordinator
Mihaela-Filofteia Tutunea, Phd

Date of Approval _____

Head of Department
Oana Adriana Gică, Phd