SYLLABUS

Domain Internship

University year 2025-2026

1. Information regarding the programme

1.1. Higher education institution	Babeş-Bolyai University
1.2. Faculty	Faculty of Mathematics and Computer Science
1.3. Department	Department of Computer Science
1.4. Field of study	Computers and Information Technology
1.5. Study cycle	Bachelor
1.6. Study programme/Qualification	Information Engineering
1.7. Form of education	Full time

2. Information regarding the discipline

2.1. Name of the discipline	**Domain Internship**			Discipline code	**MLE5187**
2.2. Course coordinator			-		
2.3. Seminar coordinator			Assoc. Prof. PhD Bocicor Maria Iuliana		

2.4. Year of study	2	2.5. Semester	4	2.6. Type of evaluation	C	2.7. Discipline regime	Compulsory

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

3.1. Hours per week	**1**	of which: 3.2 course		3.3 seminar/laboratory/project	**1**
3.4. Total hours in the curriculum	14	of which: 3.5 course		3.6 seminar/laboratory/project	**14**
Time allotment for individual study (ID) and self-study activities (SA)					**hours**
Learning using manual, course support, bibliography, course notes (SA)					20
Additional documentation (in libraries, on electronic platforms, field documentation)					20
Preparation for seminars/labs, homework, papers, portfolios and essays					20
Tutorship					20
Evaluations					6
Other activities:					

3.7. Total individual study hours	**86**
3.8. Total hours per semester	**100**
3.9. Number of ECTS credits	**4**

4. Prerequisites (if necessary)

4.1. curriculum	
4.2. competencies	

5. Conditions (if necessary)

5.1. for the course	
5.2. for the seminar /lab activities	Technical activities are required: analysis, design, software development and testing.

6.1. Specific competencies acquired [1]

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[1] One can choose either competences or learning outcomes, or both. If only one option is chosen, the row related to the other option will be deleted, and the kept one will be numbered 6.

Professional/essential competencies	• Operating with the basics of mathematics, engineering and computer science. • Problem solving using specific computer science and computer engineering tools.
Transversal competencies	• Identifying, describing and conducting processes in the project management field, undertaking different team roles and clearly and concisely describing own profesional results, verbally or in writing. • Demonstrating initiative and pro-active behavior for updating professional, economical and organizational culture knowledge.

6.2. Learning outcomes

Knowledge	• The student has the necessary knowledge for using computers, developing software programs and applications, information processing.
Skills	• The student has the ability to develop, design and create new applications, systems or products using best practices of the field.
Responsibility and autonomy:	• The student has the ability to work independently to combine diverse information to formulate solutions and generate ideas for developing new products and applications.

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

7.1 General objective of the discipline	• Gain abilities to develop a product/program in teams, write project documentation, under the supervision of a specialized internship tutor and academic staff.
7.2 Specific objective of the discipline	• Develop a product/program in teamwork • Write necessary documentations • Project presentation

8. Content

8.1 Course	Teaching methods	Remarks
8.2 Seminar / laboratory	Teaching methods	Remarks

Bibliography		

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

- The course respects the IEEE and ACM Curricula Recommendations for Computer Science Studies.
- Offers an overall perspective of Computer Science domains, and a general expertise for the student.
- Offers basic knowledge about teamwork and integration in a software company.

10. Evaluation

Activity type	10.1 Evaluation criteria	10.2 Evaluation methods	10.3 Percentage of final grade
10.4 Course			
10.5 Seminar/laboratory		The internship tutor from the internship institution evaluates the student's performance.	100%
10.6 Minimum standard of performance			

- Students are required to complete 90 hours of internship.
- Successfully passing of the examination is conditioned by a minimum grade of 5.

11. Labels ODD (Sustainable Development Goals)[2]

Not applicable.

Date: Signature of course coordinator   Signature of seminar coordinator
15.04.2025

Assoc. Prof. PhD. Bocicor Maria Iuliana

Date of approval: Signature of the head of department
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Assoc.prof.phd. Adrian STERCA

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[2] Keep only the labels that, according to the *Procedure for applying ODD labels in the academic process*, suit the discipline and delete the others, including the general one for *Sustainable Development* – if not applicable. If no label describes the discipline, delete them all and write „*Not applicable.*".