SYLLABUS

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**

2. Information regarding the discipline

2.1 Name of the discipline (en) (ro)			Internship for the elaboration of diploma project/ Practică pentru elaborarea proiectului de diplomă				
2.2 Course coordinator							
2.3 Internship coordinator			Prof. Dr. Chira Camelia				
2.4. Year of study	**IV**	2.5 Semester	**8**	2.6. Type of evaluation	**C**	2.7 Type of discipline	**Compulsory DS**
2.8 Code of the discipline		MLE5189					

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

3.1 Hours per week	5	Of which: 3.2 course		3.3 internship	30
3.4 Total hours in the curriculum	70	Of which: 3.5 course		3.6 internship	90
Time allotment:					hours
Learning using manual, course support, bibliography, course notes					-
Additional documentation (in libraries, on electronic platforms, field documentation)					5
Preparation for seminars/labs, homework, papers, portfolios and essays					-
Tutorship					-
Evaluations					-
Other activities:					-

3.7 Total individual study hours	5
3.8 Total hours per semester	75
3.9 Number of ECTS credits	3

4. Prerequisites (if necessary)

4.1. curriculum	• N/A
4.2. competencies	• N/A

5. Conditions (if necessary)

5.1. for the course	• N/A
5.2. for the internship activities	• Internship agreement with the specialized economic unit / RDI.

6. Specific competencies acquired

Professional competencies	• C3.1 Identifying classes of problems and solving methods that are specific to computing systems • C3.2 Using interdisciplinary knowledge, solution patterns and tools, making experiments and interpreting their results • C3.3 Applying solution patterns using specific engineering tools and mehods • C3.4 Comparatively and experimentaly evaluation of the alternative solutions for performance optimization • C3.5 Developing and implementing information system solutions for concrete problems C4.1 Identifying and describing technologies, programming environments and various concepts that are specific to programming engineering; • C4.2 Explaining the role, interaction and operation patterns of software system components; • C4.3 Developying specifications and designing information systems using specific methods and tools; • C4.4 Managing the life cycle of hardware, software and communications systems based on performance evaluation; • C4.5 Developing, implementing and integrating software solutions.
Transversal competencies	• CT1 Honorable, responsible, ethical behavior, in the spirit of the law, to ensure the professional reputation. • CT2 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. • CT3 Demonstrating initiative and pro-active behavior for updating professional, economical and organizational culture knowledge.

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

7.1 General objective of the discipline	• Elaboration of diploma project

7.2 Specific objective of the discipline	• Integrating the results obtained in the research activity and diploma project development in a written diploma thesis in a format that adheres to the requirements specified by the department.

8. Content

8.1 Course	Teaching methods	Remarks
-		
Bibliography -		
8.2 Internship	Teaching methods	Remarks
Elaboration of diploma project	N/A	
Bibliography Bibliography recommended by the project coordinator and determined by the student during project documentation.		

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 content of this discipline is aligned with the research and development topics used at international level

10. Evaluation

Type of activity	10.1 Evaluation criteria	10.2 Evaluation methods	10.3 Share in the grade (%)
10.4 Internship	Diploma thesis	Diploma thesis	100 %
10.6 Minimum performance standards			
➢ Development of the diploma thesis.			

Date | Signature of course coordinator | Signature of seminar coordinator

09.05.2022

Date of approval | Signature of the head of department

Prof. dr. Laura Dioşan

24.05.2022