



## COURSE PROGRAMME

### 1. Information about the programme

<b>1.1</b> University	<b>University "Alexandru Ioan Cuza" of Iasi</b>
<b>1.2</b> Faculty	<b>Faculty of Mathematics</b>
<b>1.3</b> Department	<b>Department of Mathematics</b>
<b>1.4</b> Domain	<b>Mathematics</b>
<b>1.5</b> Cycle	<b>Masters</b>
<b>1.6</b> Programme / Qualification	<b>Applied Mathematics</b>

### 2. Information about the course

<b>2.1</b> Course Name	Internship				
<b>2.2</b> Course taught by	Assoc. Prof. PhD. GAVRIL DANUT RUSU				
<b>2.3</b> Seminary / laboratory taught by					
<b>2.4</b> Year	I	<b>2.5</b> Semester	II	<b>2.6</b> Type of evaluation*	V

\*E - Exam / C - Colloquium / V - Verification

\*\*OB - Obligatory / OP - Optionally / F - Facultative

### 3. Total hours (estimated per semester and activities)

<b>3.1</b> Number of hours per week	2	<b>3.2</b> course	0	<b>3.3</b> seminary/ laboratory	2
<b>3.4</b> Total number of hours	28	<b>3.5</b> course	0	<b>3.6</b> seminary/ laboratory	28
Distribution					hours
Individual study using textbooks, course notes, bibliography items, etc.					0
Supplementary study (library, on-line platforms, etc.)					0
Individual study for seminary/laboratory, homeworks, projects, etc.					0
Tutoring					0
Examination					0
Other activities					47
<b>3.7</b> Total hours of individual activity*					47
<b>3.8</b> Total hours per semester					75
<b>3.9</b> Credit points					3

### 4. Pre-requisites - Curriculum (if necessary)

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### 5. Conditions (if necessary)

<b>5.1</b> Course	-
<b>5.2</b> Seminary / Laboratory	Practice partner or university headquarters.  The activity must include specialized activities: programming activities, testing, analysis, and software system design, teaching activities.

## 6. Objectives

- Establishing individual/group skills for meeting specific requirements (teaching activities, programming activities, testing, analysis, and software system design) under the coordination of practice partners and the supervising teacher.
- Fulfilling specific requirements under the coordination of practice partners and the supervising teacher and compiling a portfolio showing the activities carried out (teaching activities, programming activities, testing, analysis, and software system design).
- Presenting the portfolio.

## 7. Specific competencies/Learning outcomes

- promotes knowledge transfer
- manages interoperable, reusable, accessible, and easily findable data
- assumes responsibility
- work in teams

## 8. Contents

8.1 Course	Teaching methods	Remarks (number of hours, references)

Bibliography

8.2 Seminary / Laboratory	Teaching methods	Remarks (number of hours, references)
1. Presentation of the topic (statement of the problem) to be addressed/solved and establishment of tasks (individual and/or team members). 2. Development of detailed project specifications. 3. Project analysis 4. Design and implementation of requirements. 5. Testing (if applicable). 6. Presentation of the project for evaluation.	Presentation Team lecture Problem solving Discovery learning Case study Individual study Exercise	28h

Bibliography
1. Bibliographic resources provided by the practice partner and the supervising teacher.

## 9. Coordination of the contents with the expectations of the community representatives, professional associations and relevant employers in the corresponding domain

The activities carried out will provide students with the necessary training to meet the demands of IT and education employers. Students will be able to interact with employers' representatives.

## 10. Assessment and examination

10.1 Continuous assessment		Percentage (min. 30%)	100
Course	Assessment type		
	Percentage		0
	Failure to pass the continuous assessment results in failure to pass the final assessment		
	Assessment methods	Details	Percentage with reexamination

Seminary / Laboratory	Assessment type	Mixed assessment	
	Percentage	100	
	Failure to pass the continuous assessment results in failure to pass the final assessment	Yes	
	Assessment methods	Details	Percentage with reexamination
		Current assessment	25 No
		Project	25 No
		Portfolio	50 Yes

## **10.2 Special notes (special situations in assessment)**

In order for practical activities carried out outside the university to be recognised, students must submit to their teacher a clear record of activities specifying the number of hours for each type of activity, with the name and signature of the mentor, not just the management of the institution (school). The mentor must be a permanent employee of the partner institution.

Along with the record/certificate on the basis of which equivalencies can be made, students must also submit a practice agreement with the Faculty of Mathematics, if one does not already exist.

## **10.3 Minimum performance standard**

<b>Date,</b>	<b>Course coordinator,</b> <b>Assoc. Prof. PhD. GAVRIL DANUT RUSU</b>	<b>Seminary coordinator,</b>
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**Aproval date in the department,**

**Head of the department,**  
**Prof. PhD. IONEL DUMITREL GHIBA**