SYLLABUS

1. Data about the program of study

1.1 Institution	The Technical University of Cluj-Napoca
1.2 Faculty	Faculty of Automation and Computer Science
1.3 Department	Computer Science
1.4 Field of study	Computer Science and Information Technology
1.5 Cycle of study	Bachelor of Science
1.6 Program of study/Qualification	Computer science/ Engineer
1.7 Form of education	Full time
1.8 Subject code	53.

2. Data about the subject

2.1 Subject name	*Project Management*				
2.2 Course responsible/lecturer	Prof. dr. eng. Mihaela Dinsoreanu, mihaela.dinsoreanu@cs.utcluj.ro				
2.3 Teachers in charge of seminars/ laboratory/ project					
2.4 Year of study	IV	2.5 Semester	2	2.6 Type of assessment (E - exam, C - colloquium, V - verification)	E
2.7 Subject category	DF – fundamentală, DD – în domeniu, DS – de specialitate, DC – complementară				DS
	DI – Impusă, DOp – opțională, DFac – facultativă				DI

3. Estimated total time

3.1 Number of hours per week	3	of which:	Course	3	Seminars		Laboratory		Project	
3.2 Number of hours per semester	42	of which:	Course	42	Seminars		Laboratory		Project	
3.3 Individual study:									
(a) Manual, lecture material and notes, bibliography									10
(b) Supplementary study in the library, online and in the field									10
(c) Preparation for seminars/laboratory works, homework, reports, portfolios, essays									10
(d) Tutoring									
(e) Exams and tests									3
(f) Other activities:									

3.4 Total hours of individual study (suma (3.3(a)…3.3(f)))	33
3.5 Total hours per semester (3.2+3.4)	75
3.6 Number of credit points	3

4. Pre-requisites (where appropriate)

4.1 Curriculum	Software Design, Software Engineering
4.2 Competence	Software Development methodologies, Software Architectures

5. Requirements (where appropriate)

5.1. For the course	**Onsite** scenario: Video projector, internet connected computer, Moodle, Teams Attendance compulsory min 50%
5.2. For the applications	-

6. Specific competence

6.1 Professional competences	**C5** Designing, managing the lifetime cycle, integrating and ensuring the integrity of hardware, software and communication systems **C5.1** Specifying the relevant criteria regarding the lifetime cycle, quality, security and the computing system's interaction with the environment and the human operator **C5.2** Using interdisciplinary knowledge for adapting the computing system to the specifc requirements of the application field

	C5.3 Using fundamental principles and methods for ensuring the security, the safety and ease of exploitation of the computing systems
	C5.4 Proper utilization of the quality, safety and security standards in the field of information processing
	C5.5 Creating a project including the problem's identification and analysis, its design and development, also proving an understanding of the basic quality requirements
6.2 Cross competences	N/A

7. Discipline objective (as results from the *key competences gained*)

7.1 General objective	Understand and apply appropriate project management techniques
7.2 Specific objectives	• Acknowledge the interfaces and interdependencies between the disciplines in OOSE
	• Present various project management techniques and their application in the two prominent methodologies
	• Project Management Metrics and Indicators
	• Understand the risks and the factors that lead to success or failure; Risk Management
	• Reflections of Project Management on the Software Quality

8. Contents

8.1 Lectures	Hours	Teaching methods	Notes
Introduction	2		
PM overview	2		
Basics of Project Management for Agile Methodologies	2		
Basics of Project Management for Plan-driven Methodologies	2		
Planning and Tailoring the process	2	**Onsite** scenario: Face to face lectures, Powerpoint slides, Quizes, homeworks and discussions. Course materials Moodle	
Planning the Disciplines	2		
WBS development	2		
Scheduling and Resource management	2		
Monitoring and Control	2		
Risk management	2		
People management	2		
Change management	2		
Project Closure	2		
Final review and concluding remarks	2		

Bibliography

1. Righting Software, Juval Lowy, O'Reilley, 2020
2. Project Management Institute, A Guide to the Project Management Body of Knowledge, 5th Edition, 2013.
3. Juana Clark Craig, Project Management Lite: Just Enough to Get the Job Done...Nothing More, 2012
4. The Unified Software Development Process, G. Booch, J. Rumbaugh, I. Jacobson, Addison Wesley, 1998.
5. Software Project Management: A Unified Framework, Walker Royce, Addison Wesley

8.2 Applications – Seminars/Laboratory/Project	Hours	Teaching methods	Notes
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Bibliography

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*Se vor preciza, după caz: tematica seminariilor, lucrările de laborator, tematica și etapele proiectului.

9. Bridging course contents with the expectations of the representatives of the community, professional associations and employers in the field

ACM Curriculum compliant course.

10. Evaluation

Activity type	Assessment criteria	Assessment methods	Weight in the final grade

Course	Ability to apply appropriate PM techniques for given project situations, attendance, class activity	**Onsite** scenario: Written exam, Quizes, homeworks	100%
Seminar			
Laboratory			
Project			

Minimum standard of performance:
Grade calculus: 60% final exam, 40% class activity (Quizes, homeworks)
Conditions for participating in the final exam: Attendance of lectures >= 50%
Conditions for promotion: final exam ≥ 5, class activity >=5

Date of filling in:	**Titulari**	**Titlu Prenume NUME**	**Semnătura**
	Course	Prof.dr.eng. Mihaela Dinsoreanu	
	Applications	_	

Date of approval in the department	Head of department Prof.dr.ing. Rodica Potolea
Date of approval in the Faculty Council	Dean Prof.dr.ing. Liviu Miclea