SYLLABUS

1. Data about the program of study

1.1	Institution	The Technical University of Cluj-Napoca
1.2	Faculty	Electronics, Telecommunications and Information Technology
1.3	Department	Applied Electronics
1.4	Field of study	Electronics and Telecommunications Engineering
1.5	Cycle of study	Bachelor of Science
1.6	Program of study/Qualification	Telecommunications Technologies and Systems/ Engineer, Applied Electronics/ Engineer
1.7	Form of education	Full time
1.8	Subject code	TST-E49.00, EA-E49.00

2. Data about the subject

2.1	Subject name					Project Management					
2.2	Subject area					Electronics and Telecommunications Engineering					
2.3	Course responsible/lecturer					Assoc. Professor Alin Grama, PhD					
2.4	Teachers in charge of applications					-					
2.5	Year of study	IV	2.6	Semester	2	2.7	Assessment	Eval.	2.8	Subject category	DS/DOB

3. Estimated total time

Year / Sem.	Subject name	No. of weeks	Course [hours/week]	Applications [hours/week]			Course [hours/sem.]	Applications [hours/sem.]			Indiv. study	TOTAL	Credits
				S	L	P		S	L	P			
IV/ 2	Project Management	14	2				28				50	78	3

3.1	Number of hours per week	2	3.2	of which, course	2	3.3	applications	0
3.4	Total hours in the curriculum	28	3.5	of which, course	28	3.6	applications	0

Individual study	Hours
Manual, lecture material and notes, bibliography	20
Supplementary study in the library, online and in the field	5
Preparation for seminars/laboratory works, homework, reports, portfolios, essays	25
Tutoring	0
Exams and tests	0
Other activities	0

3.7	Total hours of individual study	50
3.8	Total hours per semester	78
3.9	Number of credit points	3

4. Pre-requisites (where appropriate)

4.1	Curriculum	N / A
4.2	Competence	N/A

5. Requirements (where appropriate)

5.1	For the course	Amphitheatre, Cluj-Napoca
5.2	For the applications	-

6. Specific competences

Professional competences	Theoretical knowledge (what the student must know):	Methods and tools of project management. To evaluate and interpret the data obtained in the process of measuring indicators of project management
	Acquired skills (what the student is able to do):	After completing the discipline, the students will be able to: - manage and complete complex projects; - discuss with project managers using specific terms; - use the concept in planning projects: plans, activities, costs, resources, budget, training and coordinating a team working; - monitor and control projects: project status determination, analysis of delays, corrective actions; - coordinate logistic management: determination and choice distributors, conventions; - achieve integrated project management: integration project into organization standards; - utilize risk analysis: determine potential problems, corrective action; - use Systems Engineering: operating cost, performance, manufacturing, security etc
	Acquired abilities: (what type of equipment the student is able to handle)	After completing the discipline, the students will be able to: - to know how to make a project plan - to know how to identify the activities needed to be placed in the project plan - to apply actions necessary to keep the project on schedule - to know some standards that the organization can implement a judicious implementation of projects - to know the steps of a product (from conception to finished product) and implement these steps in the project plan
	In accordance with Grila1 and Grila2 RNCIS	N.A.
Cross competences (Grila1 and Grila2 RNCIS)		CT1. To methodically analyze engineering problems, by identifying the basic elements for which well-established solutions already exist, ensuring the fulfillment of the professional assignments CT2. To split activities into stages and to assign them to subordinates, together with a complete explanation of their responsibilities, based on hierarchical levels, ensuring an efficient information transfer and interpersonal communication CT3. To adapt to new technologies, professional and personal development, by continuous training using dedicated software and documentation in Romanian and in an international language, at the least resources in Romanian and at least one foreign language

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

7.1	General objectives	Developing skills in the implementation and coordination of a project
7.2	Specific objectives	1. Assimilation of theoretical knowledge to carry out a project plan 2. Obtain skills to use specific terminology for coordination project

8. Contents

8.1. Lecture (syllabus)		Teaching methods	Notes
1	Fundamentals - explaining the essential concepts used in project management	Presentation, heuristic conversation, exemplification, problem presentation, case study, formative evaluation	Use of .ppt presentation, projector, blackboard
2	Defining *Reason* and *Objective* of a project		
3	Drawing Project Plan - missions and milestones		
4	Drawing Project Plan - Cost approach		
5	Drawing Project Plan - Developing a Program		
6	Execution Management - Progress, Problems		
7	Execution Management – Risks, Changes		
8	Execution Management - Project Start		
9	Execution Management - Project Monitoring		
10	Execution Management - eg Action for the success of a project		
11	Execution Management - Project Completion		
12	Quality Management - ISO 9000 standards		
13	Specialized Software for Project Management –part I		
14	Specialized Software for Project Management –part II		
8.2. Applications (lab)		Teaching methods	Notes
1	-	-	-

Bibliography

1. Constantinescu Dan Anghel, Ungureanu Ana-Maria, Pridie Adelina,. "Managementul proiectelor", Ed. Semne'94, Bucureşti, 2001
2. Postavaru Nicolae - Managementul proiectelor, Editura Matrix Rom, Bucuresti, 2002
3. *A Guide to the Project Management Body of Knowledge (PMBOK Guide)* , Project Management Institute (PMI), Editia 4, 2008
4. Richard Newton, "Management de proiect – pas cu pas", trad. Mihai-Dan Pavelescu, ed. Meteor Press, București, 2007, ISBN: 978-973-728-206-4
5. Armenia Androniceanu coord., "Managementul proiectelor cu finanțare externă", ed. Universitară, București, 2004, ISBN: 973-8499-45-3
6. Jean-Félix Fiehl, "Cum să ne realizăm proiectele", e. Universitară, București, 1999
7. Wolfgang Lessel, "Managementul proiectelor", ed. BIC ALL, București, 2007, Pocket Bussines
8. Alin Grama – Managementul proiectelor, notițe de curs, www.ael.utcluj.ro

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

Competences acquired will be used in the following COR occupations (Electronics Engineer; Telecommunications Engineer; Electronics Design Engineer; System and Computer Design Engineer; Communications Design Engineer) or in the new occupations proposed to be included in COR (Sale Support Engineer; Multimedia Applications Developer; Network Engineer; Communications Systems Test Engineer; Project Manager; Traffic Engineer; Communications Systems Consultant).

10. Evaluations

Activity type	10.1	Assessment criteria	10.2	Assessment methods	10.3	Weight in the final grade
Course		The level of acquired theoretical knowledge		- 3 Summative evaluation written exam (theory and problems)		100%
Applications		-		-		
10.4 Minimum standard of performance						
Getting minimum 5 (five) at every test						

Date of filling in	Course responsible	Teachers in charge of applications
1.10.2018	Assoc. Prof. Alin GRAMA, PhD	-
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