

SYLLABUS

1. Data about the program of study

1.1	Institution	The Technical University of Cluj-Napoca
1.2	Faculty	Faculty of Construction
1.3	Department	Civil Construction and Management
1.4	Field of study	Civil Engineering
1.5	Cycle of study	Bachelor of Science
1.6	Program of study/Qualification	Geotechnical Engineering
1.7	Form of education	Full time
1.8	Subject code	5.00

2. Data about the subject

2.1	Subject name				Construction Project Management						
2.2	Subject area				Civil engineering						
2.3	Course responsible/lecturer				lecturer Ph.D.eng Dorina Sucală - dorina.sucala@ccm.utcluj.ro						
2.4	Teachers in charge of seminars				lecturer Ph.D.eng. Dorina Sucală -dorina.sucala@ccm.utcluj.ro						
2.5	Year of study	I	2.6	Semester	1	2.7	Assessment	Exam	2.8	Subject category	DA DI

3. Estimated total time

3.1	Number of hours per week	2	3.2	of which, course:	1	3.3	applications:	1
3.4	Total hours in the curriculum	28	3.5	of which, course:	14	3.6	applications:	14
Individual study								hours
Manual, lecture material and notes, bibliography								28
Supplementary study in the library, online and in the field								24
Preparation for seminars/laboratory works, homework, reports, portfolios, essays								20
Tutoring								-
Exams and tests								4
Other activities								4
3.7	Total hours of individual study	72						
3.8	Total hours per semester	100						
3.9	Number of credit points	4						

4. Pre-requisites (where appropriate)

4.1	Curriculum	
4.2	Competence	Use of scientific and engineering knowledge and computer science

5. Requirements (where appropriate)

5.1	For the course	Classroom with video projector, blackboard
5.2	For the applications	Classroom with computers, video projector, blackboard

6. Specific competences

Professional competences	<p>Knowledge of the disciplines in the field and specialty (resistance of materials, foundations, metal, reinforced concrete, civil constructions);</p> <p>Acquiring a managerial thinking model</p> <p>Elaboration of specific studies and technical parts for construction works</p> <ul style="list-style-type: none"> - identifying the input data and the performance indicators; - correlating investments with the specificities and needs of the areas; - the content of the technical documentation by design phase <p>Project implementation management</p> <ul style="list-style-type: none"> - analysis, identification of requirements, elaboration of procedures, identification of resources and quality control of the works to be performed. <p>Organization of the design and execution activity.</p> <p>How to approach and manage a work</p> <p>Developing managerial thinking skills.</p> <p>Forming a positive attitude towards work and towards the team.</p> <p>interpreting situations from a manager's perspective.</p>
Cross competences	<p>Collaboration with team members of which it is part in establishing tasks and responsibilities;</p> <p>Application of rigorous and efficient work rules;</p> <p>Demonstration of responsible attitudes towards the scientific field, respecting the principles and norms of professional ethics.</p>

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

7.1	General objective	The discipline " Construction Project Management " aims to provide specific information for the preparation of students for the correct management of projects. The aim is to develop the capacity to carry out a correct project plan and the possibility to control and manage its elaboration.
7.2	Specific objectives	Understanding the need for the correct preparation of a project, as well as the techniques necessary for the elaboration of a project plan and its application in practice. Control of the project from the initial phase to the completion, applying specific methods

8. Contents

8.1.Lecture (syllabus)	Teaching methods	Notes
1. Project management. General considerations. Short history.	Exposure, discussions	video projector
2. Introduction to project management. Definition, role, functions.		
3. General knowledge about the project, project management, project manager.		
4. Triple constraint in project management. Typology,		

classification and particularities of projects.		
5. Phases of project management. Life cycle, objectives, project results, entities involved in the project.		
6. Project planning. Risk management. Identifying risks. Risk analysis and mitigation.		
7. Project control. Monitoring of expenses. Compliance with the terms and field of activity of the project. Project team management and communication. Project execution. Project closure		
Bibliography		
<div>1. Radu V. Pascu - Project management;</div> <div>2. Radu Victor, Doru Curteanu, Construction Project Management, Ed. Economica, 2016;</div> <div>3. Mihai Hulea - Project management, Course notes, UTCN, 2011.</div> <div>4. Ion Serbănoiu - Operational Management in Construction, Ed. Societății Academice "Mateiu-Teiu Botez", 2003;</div> <div>5. T Hossu, ș.a – Construction works management. Ed. Dacia 2001.</div> <div>6. David R. More – Project Mangement la Manchester Centre for Civil and Construction Engineering.</div> <div>7. Code of practice for Project Management for Construction and development – la Royal Institute of British Architects.</div>		
8.2.Applications/Seminars	Teaching methods	Notes
1. "Efficiency is the foundation of survival. Effectiveness is the foundation of success. "How can I find out who the first 20% of people with influence in my organization are? Case Study.	Exposure, discussions	video projector
2. Create the profile of a Project Manager in terms of abilities, skills and competences.		
3. Designing the activities for a construction object, analyzing the structure and proposals for optimizing some parameters of the project aiming at minimizing consumption and / or costs. Advantages and disadvantages. (3 sessions)		
4. Questions and tips for better project management. Planning, coordination and control phase. Bringing the project on the right track. How to become a better project manager.		
5. Teaching and project support.		
Bibliography		
<div>1. Microsoft Project Professional. 2019;</div> <div>2. Augustin Purnuș, Modeling of projects in construction, Applications in Project Management, Conspress, București, 2015;</div> <div>3. Project Management Manual, 1998;</div> <div>4. D Sucală – Management. Practical application. Works tutor. UTPRESS 2016;</div> <div>5. Victor Radu, Doru Curteanu, Construction Project Management, Test Collection and Case Studies, 2015;</div> <div>6. Government decision HG 28/09.01.2008 Publicată în MO din ian. 2008.</div>		

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

The proposed competences resulted from the discussions with the specialists in the field

10. Evaluation

Activity type	10.1 Assessment criteria	10.2 Assessment methods	10.3 Weight in the final grade
10.4 Course	Theory questions (topics)	Written test: duration of evaluation 1 hour (1 subject)	50%
10.5 Applications	Questions from the project - oral presentation	Oral test - presentation of the project in PowerPoint, 3 hours	40%
	Interest in individual training	Active participation in the course and applications	10%
10.6 Minimum standard of performance			

Date of filling in: 20.10.2019		Title Surname Name	Signature
	Lecturer	lecturer Ph.D.eng Dorina Sucală -dorina.sucala@ccm.utcluj.ro	
	Teachers in charge of application	lecturer Ph.D.eng Dorina Sucală -dorina.sucala@ccm.utcluj.ro	

Date of approval in the department

Head of department,
Prof.dr.ing. Claudiu ACIU

Date of approval in the faculty

Dean,
Prof.dr.ing. Nicolae CHIRA