

SYLLABUS

1. Program data

1.1 Higher education institution	Technical University of Cluj - Napoca
1.2 Faculty	Civil Engineering
1.3 Department	Buildings and Management
1.4 Field of study	Civil Engineering
1.5 Cycle of study	Bachelor of Science
1.6 Program of study / Qualification	Civil Engineering
1.7 Form of education	IF – Full time
1.8 Subject code	17.00

2. Course data

2.1 Course title	General Economy						
2.2 Subject area	Civil Engineering						
2.3 Course responsible	Lecturer Dorin MAIER PhD eng. PhD ec. dorin.maier@ccm.utcluj.ro						
2.4 Seminar responsible	Lecturer Dorin MAIER PhD eng. PhD ec.						
2.5 Year of study	I	2.6 Semester	2	2.7 Evaluation type	Exam	2.8 Course regime	DC DI

3. Total estimated time

3.1 Number of hours / week	2	from which: 3.2 course	1	3.3 Seminar	1
3.4 Total hours in the curriculum	50	from which: 3.5 course	14	3.6 Seminar	14
Distribution of Time Fund					hours
Study by manual, course support, bibliography and notes					8
Additional documentation in the library, on electronic platforms and on the field					4
Training seminars / laboratories, themes, papers, portfolios, essays					3
Tutoring					5
Assessment					2
Other activities.....					-
3.7 T Total hours of individual study	22				
3.8 Total hours on semester	50				
3.9 Number of credits	2				

4. Preconditions (where applicable)

4.1 from curriculum	Not applicable
4.2 of competence	Not applicable

5. Conditions (where applicable)

5.1. for the course	Room equipped with video projector. Students will not attend lectures, works with open mobile phones. Also, telephone conversations will not be tolerated during the course, nor students leaving the classroom to pick up personal phone calls.
5.2. for the applications	Not applicable

6. Specific competences

Professional competences	<p>Selection formulation and operation in professional communication with basic concepts, theories, methods and principles of economy.</p> <p>After covering the course topic the students will be able to: understand the importance of economy in constructions, understand the importance of the investment activity, understand the importance of regulations in constructions, Apply basic principles and methods for planning, scheduling, and managing companies under qualified assistance.</p> <p>After studying the discipline, the students will be able to: exercise analytical thinking, determine the structure of the investment process, design a business plan, apply the legislation in construction</p>
Transversal Competences	<p>CT1 Applying responsibly the principles, norms and values of professional ethics in carrying out the professional tasks and identifying the objectives to be achieved, the available resources, the stages of work, the execution times, the implementation deadlines and the related risks.</p> <p>CT2 Identifying roles and responsibilities in a multidisciplinary team and applying effective relationship and work techniques within the team.</p>

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

7.1 General objective	Learning the regulations in constructions and developing a business plan for a construction project
7.2 Specific objective	Make decisions in an investment process

8. Content

8.1 Course	Teaching methods	Observations
1. Economy in constructions – definition, features, concepts as business, organization, enterprise, globalization	Power Point presentation	Video Projector
2. The investment activity: definitions, roles, the investment process's steps, criteria		
3. Criteria on classifying the investments, the investment's expenses structure + examples		
4. Means and resources in the construction activity		
5. Costs in constructions		
6. The analyses of the economical-financing activity in construction companies		
7. Romanian and international legislation in constructions		
References Florea, D., Economia construcțiilor și legislație, Ed. U. T. PRES, Cluj-Napoca, 2000 Charpentier, P., Derooy, X., Uzan, O., Organizarea și gestionarea întreprinderii, Ed. Economică, București, 2006 Porter, M., Despre concurență, Ed. Meteor Press, București, 2008 Șandru, D., Societățile comerciale în Uniunea Europeană, Ed. Universitara, București, 2008. IPC (Institutul de proiectare pt. construcții industriale), București – proiect 7417/86, Catalogul general al mijloacelor tehnice necesare ramurii construcțiilor, vol.2, Mijloace de ridicat și manipulat.		
8.2 Seminar / laboratory / project	Teaching methods	Observations
SWOT method - example	Lecturing, Classroom discussion	
Electre method – part I		
Electre method – part II		
The decisional tree – part I		
The decisional tree – part II		

Business Plan		
Business Plan – presentation		
References Florea, D., Economia construcțiilor și legislație, Ed. U. T. PRES, Cluj-Napoca, 2000 Charpentier, P., Deroy, X., Uzan, O., Organizarea și gestionarea întreprinderii, Ed. Economică, București, 2006 Porter, M., Despre concurență, Ed. Meteor Press, București, 2008 Șandru, D., Societățile comerciale în Uniunea Europeană, Ed. Universitara, București, 2008. IPC (Institutul de proiectare pt. construcții industriale), București – proiect 7417/86, Catalogul general al mijloacelor tehnice necesare ramurii construcțiilor, vol.2, Mijloace de ridicat și manipulat.		

9. Corroborating the contents of the discipline with the expectations of the epistemic community representatives, associations, professionals and employers in the field related to the program

The contents of the course cover fundamental themes which ensure the familiarization of the students with the subject specific to the discipline.

The content of the discipline is addressed in an interdisciplinary way so as to stimulate the initiative, independence in thinking, critical analysis and creative thinking, which underlie the training of students for the necessary competences in the scientific research in the field, the professional and transversal competencies necessary for the graduates to efficient and creative solve the problems and new working situations.

10. Assessment

Activity type	10.1 Assessment criteria	10.2 Assessment method	10.3 Final mark share
10.4 Course	Theory questions	Written part – 2 hours	80 %
10.5 Seminar	Formative assessment	Assessment during the semester	20 %
OBS: The written test is followed by an oral assessment (assessment of the papers in presence of the students).			
10.6 Minimum performance standard			
The written part assessment is conditioned by a minimum presence on the course during the semester and by presenting and passing the applications works			

Date of completion:	Teachers	Title First name NAME	Signature
13.09.2018	Course	Șef. I. dr. ec. dr. ing. Dorin MAIER	
	Application	Șef. I. dr. ec. dr. ing. Dorin MAIER	

Date of endorsement in CCM Department Council	Director of the CCM Department Conf.dr.ing. Claudiu ACIU
Date of approval at the Faculty of Civil Engineering Council	Dean Conf.dr.ing. Nicolae CHIRA