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					**Economy and Legislation**					
2.2	Subject area					Civil Engineering					
2.3	Course responsible / Lecturer					Lecturer Dorin MAIER PhD eng. PhD ec.					
2.4	Course titular					Lecturer Dorin MAIER PhD eng. PhD ec.					
2.5	Year of study	I	2.6	Semester	2	2.7	Evaluation	Exam	2.8	Course regime	DC/ DI

3. Estimated total time

Year/ Sem.	Course title	Nb. of weeks	Course [h/weeks]	Applications [h/weeks]			Course [h/sem.]		Applications [h/sem.]		Ind. Stud [h/sem.]	TOTAL	Credits
				S	L	P		S	L	P			
I/2	Economy and Legislation	14	1	1			14	14			22	50	2

3.1	Number of hours / week	2	3.2	From which: course	1	3.3	applications	1
3.4	Total hours in the curriculum	50	3.5	From which: course	14	3.6	applications	14

Individual study	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	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	Competence	Not applicable

5. Conditions (where applicable)

5.1	For the course	Not applicable
5.2	For the applications	Not applicable

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6. Specific competences

Professional competences	Theoretical knowledge, (What they need to know)	- to understand the importance of economy in constructions - to understand the importance of the investment activity - to understand the importance of regulations in constructions
	Achieved Skills: (What they can do)	After studying the discipline, the students will be able: - to determine the structure of the investment process - to estimate the costs for structure in constructions - to design a business plan
	Skilled skills: (What tools they can handle)	After studying the discipline, the students will be able: - to exercise analytical thinking - to apply the legislation in construction - to make decisions in certain and uncertain conditions
Transversal competences		Team work

7. Discipline objectives (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

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8. Contents

8.1. Course (syllabus)		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	Power Point presentation	Video-projector;
3	Criteria on classifying the investments, the investment`s expenses structure + examples	Power Point presentation	Video-projector;
4	Means and resources in the construction activity	Power Point presentation	Video-projector;
5	Costs in constructions	Power Point presentation	Video-projector;
6	The analyses of the economical-financing activity in construction companies	Power Point presentation	Video-projector;
7	Romanian and international legislation in constructions	Power Point presentation	Video-projector;
8.2. Applications (seminar/works/project)		Teaching methods	Observations
1	SWOT method - example	Presentations and applications	
2	Electre method – part I	Presentations and applications	
3	Electre method – part II	Presentations and applications	
4	The decisional tree – part I	Presentations and applications	
5	The decisional tree – part II	Presentations and applications	
6	Business Plan	Presentations and applications	
7	Business Plan – presentation	Presentations and applications	

References

Florea, D., Economia construcţiilor şi legislaţie, Ed. U. T. PRES, Cluj-Napoca, 2000
Charpentier, P., Deroy, X., Uzan, O., Organizarea şi gestionarea întreprinderii, Ed. Economică, Bucureşti, 2006
Porter, M., Despre concurenţă, Ed. Meteor Press, Bucureşti, 2008
Şandru, D., Societăţile comerciale în Uniunea Europeană, Ed. Universitara, Bucureşti, 20088. IPC (Institutul de proiectare pt. construcţii industriale), Bucureşti – proiect 7417/86, Catalogul general al mijloacelor tehnice necesare ramurii construcţiilor, vol.2, Mijloace de ridicat şi manipulat.

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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

Acquired competencies will serve the employees in design and manufacturing companies in constructions.

10. Assessment

Activity type	10.1	Assessment criteria	10.2	Method of Assessment	10.3	The share of the final grade
Course		Written test		Written part		70%
Applications		Assessment of works		Oral part		30%
10.4 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						

Completion date
Sept. 2017

Course titular
Lect. Dorin MAIER PhD eng. PhD ec

The course teacher
Lect. Dorin MAIER PhD eng. PhD ec

Department endorsement date
Sept 2017

Head of the Department
Associate Prof. Claudiu ACIU PhD eng

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