SYLLABUS

1. Data about the program of study

1.1	Institution	The Technical University of Cluj-Napoca
1.2	Faculty	Faculty of Constructions
1.3	Department	Civil Constructions 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 (CCIA-eng)
1.7	Form of education	Full time
1.8	Subject code	45.20

2. Data about the subject

2.1	Subject name			Fire safety of constructions			
2.2	Subject area			Civil engineering			
2.3	Course responsible/lecturer			Şef lucr. Dr. ing. MSc Ruxandra M Dârmon ruxandra.darmon@ccm.utcluj.ro			
2.4	Teachers in charge of seminars			-			
2.5	2.5 Year of study 2 2.6 Semester II			2.7 Assessment	С	2.8 Subject category	DS/DOP

3. Estimated total time

3.1 N	umber of hours per week	1	3.2 of which, cours	e: :	1	3.3 applications:	-
3.4 To	otal hours in the curriculum	50	3.5 of which, cours	e: 2	28	3.6 applications:	-
Time distribution						hours	
Man	ual, lecture material and notes	s, bibliog	graphy				28
Supplementary study in the library, online and in the field					18		
Preparation for seminars/laboratory works, homework, reports, portfolios, essays					-		
Tutoring					2		
Exams and tests					2		
Other activities					-		
3.7	Total hours of individual stud	dy	50				•

3.8	Total hours per semester	78
3.9	Number of credit points	2

4. Pre-requisites (where appropriate)

4.1	Curriculum	N/A
4.2	Competence	N/A

5. Requirements (where appropriate)

5.1	For the course	N/A
5.2	For the applications	N/A

6. Specific competences

		C5.1 The student should be able to identify and to select the appropriate technical methods for
Professional	Ş	fire safety design of civil structures
	nce	C5.2 The student should be able to understand the specific terms and methods of fire safety
essi	competences	engineering in order to design a fire safety strategy for a building.
rof	dmg	C5.3 The student should be familiar with the fire safety regulations for buildings
<u>م</u>	ŭ	C5.4The student should be able to elaborate the technical documentation for a building, in line
		with the fire safety code requirements.
	es	CT1 The application a good working strategy, based on efficiency and responsibility.
SS	enc	CT2 Responsibility at the working place and good team work strategy.
Cross	pet	CT3 Continuous personal development and the ability to adopt new technologies and technical
	competences	specifications.
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7. Discipline objectives (as results from the key competences gained)

7.1	General objective	Constructive and functional conformation of buildings concerning fire safety.
		Qualitative evaluation of constructions fire behaviour
		The student should be able to apply the fire safety regulations
7.2	Specific objectives	for buildings.
		Design a fire safety strategy for different types of buildings

8. Contents

Drocontation	
	Projector
1	
	Presentation, discussion

Bibliography

1. R.Darmon *Introduction to fire safety engineering* – lecture notes.

2. Buchanan, A.,H., Structural Design for Fire Safety, John Wiley & Sons, LTD, Chichester, New York, Weinheim, Brisbane, Singapore, Toronto, 2001

3. http://www.difisek.eu		
8.2. Applications/Seminars	Teaching methods	Notes
Bibliography		

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

The achieved competences will be a requirement for the employees working for consulting companies and contractors (site and supplying)

10. Evaluation

Activity type	10.1 Assessment criteria	10.2 Assessment methods	10.3 Weight in the		
Activity type	10.1 Assessment citteria	10.2 Assessment methods	final grade		
10.4 Course	Theory questions and/or	Written exam: 2 hours	100%		
10.4 Course	multiple-choice test paper	Written exam. 2 hours			
10.5 Applications	-				
10.6 Minimum standard of performance					
Grade 5					

Date of filling in:		Title Surname Name	Signature	
18.10.2018	Lecturer	Şef lucr. dr ing MSc Ruxandra DÂRMON		
	Teachers in charge of application			

 Date of approval in the department
 Head of department

 Prof.dr.ing.
 Conf.dr.ing. Claudiu Aciu

 Date of approval in the faculty
 Dean

 Prof.dr.ing.
 Prof.dr.ing.

 _____20.07.2018_____
 Conf.dr.ing. Nicolae Chira