

# COURSE GUIDE – short form

Academic year 2024-2025

Course name <sup>1</sup>	Fire safety engineering					Course code	ISSM IA 109		
Course type <sup>2</sup>	DS	Category <sup>3</sup>	DI	Year of study	1	Semester	2	Number of credit points	4

Faculty	Science and Engineering of materials	Number of teaching and learning hours <sup>4</sup>					
Field	Industrial Engineering	Total	L	T	LB	P	IS
Specialization	Engineering safety and health at work	100	14			14	72

Pre-requisites from the curriculum <sup>5</sup>	Compulsory	-
	Recommended	-

General objective <sup>6</sup>	Knowledge of the main factors that affect fire safety of buildings and installations, setting with engineering methods the necessary measures to ensure fire and smoke spread limitation within the construction and neighborliness, assures users safely evacuation and the security of firefighters.
Specific objectives <sup>7</sup>	<ul style="list-style-type: none"> <li>• Knowledge of mechanisms of fires causes and the factors that lead to the reduction of buildings and facilities fire safety.</li> <li>• Acquiring and applying active and passive measures for achieving fire safety.</li> </ul>
Course description <sup>8</sup>	Constructive, technical and organizational measures that have to be adopted for objectives with different destinations to ensure essential quality requirement in construction - fire safety.

Assesment		Schedule <sup>9</sup>	Percentage in the final grade (minimum grade) <sup>10</sup>
A. Final assessment form <sup>11</sup> :	Class tests along the semester	%	60%
	Home works	%	
	Other activities	%	
Colloquium	Examination procedures and conditions: oral test;	100 % (minimum 5)	week 14
B. Seminar	Activity during seminar		%
C. Laboratory	Activity during laboratory		%
D. Project	Activity during project		40%

Course organizer	PhD. Eng. Cristian Andrei MICU	
Teaching assistants	PhD. Eng. Cristian Andrei MICU	

<sup>1</sup>Course name from the curriculum

<sup>2</sup> DF – fundamental, DID – in the field, DS – specialty, DC – complementary (from the curriculum)

<sup>3</sup> DI – imposed, DO – optional, DL – facultative (from the curriculum)

<sup>4</sup> Points 3.8, 3.5, 3.6a,b,c, 3.7 from the Course guide – extended form (L-lecture, T-tutorial, LB-laboratory works, P-project, IS-individual study)

<sup>5</sup> According to 4.1 – Pre-requisites - from the Course guide – extended form

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<sup>6</sup> According to 7.1 from the Course guide – extended form

<sup>7</sup> According to 7.2 from the Course guide – extended form

<sup>8</sup> Short description of the course, according to point 8 from the Course guide – extended form

<sup>9</sup>For continuous assessment: weeks 1 – 14, for final assessment – colloquium: week 14, for final assessment-exam: exam period

<sup>10</sup>A minimum grade might be imposed for some assessment stages

<sup>11</sup>Exam or colloquium