

### DESCRIPTION OF A STUDY COURSE – SYLLABUS

<b>Title of a course</b>	<b>Fire-fighting organization and techniques</b>				
<b>Head of course</b>	<b>Mensur Ferhatović, Lecturer</b>				
<b>Study programme</b>	<b>Professional undergraduate study Occupational Safety</b>				
<b>Status of a course</b>	Obligatory				
<b>Year of study</b>	3.	<b>Semester</b>	V	<b>ECTS credits</b>	5
<b>Teaching plan (L + E + S+ Pr)</b>	2+2+0+0				
<b>Goals of a course</b>					
To acquaint students with basic principles of fire tactics, principles and characteristics of tactical performances, standard operating procedures by types of interventions. Identify opportunities for the application of new technologies in fire tactics, and familiarize students with the tools that can be used to address tactical performances.					
<b>Conditions for enrolling course</b>					
No conditions					
<b>Learning outcomes on a level of a study programme which includes course</b>					
Outcome 5: Recommend measures to eliminate or reduce danger, damage and effort. Outcome 7: Evaluate dangers, damage and effort. Outcome 8: Organize a system of prescribed procedures and documents in the field of occupational safety. Outcome 16: Identify safety factors in the field of fire protection and explosion protection.					
<b>Expected learning outcomes on a level of a course</b>					
<ol style="list-style-type: none"> <li>1. Describe the history and structure of firefighting, as well as the protection and rescue systems in the Republic of Croatia</li> <li>2. Interpret fire protection plans</li> <li>3. Select technical equipment and resources, and use operating plans and standard operating procedures</li> <li>4. Analyse fire hazards by industry branches</li> <li>5. Describe technical equipment and tactical procedures</li> <li>6. Analyse fire drills and firefighting interventions.</li> </ol>					
<b>Content of a course</b>					
History of firefighting. Firefighting organization in Croatia. Risk assessment and plans of fire protection. Ordinances concerning fire protection. Measures of fire protection and responsibility of implementing them. Firefighting organization and firemen shifts. Firefighting organization hierarchy. Firefighting techniques. Tactical approach of fire brigades. Hazards and techniques of fire fighting in different segments of production. Occupational safety in firefighting. Use of technical equipment and tools in tactical performance, different firefighting equipment and devices. Use of low pressure, mid pressure, foam, and compressed air foam. Saving people from heights and depths. Usage techniques for other equipment. Saving in cases of accidents. Choosing adequate fixed firefighting systems. Planning rehearsals, rehearsing and reconstructing real situations in fire brigade stations. Firefighting operation plans. Managing firefighting interventions. Public relations. Safety management.					
<b>Teaching modes</b>	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> auditory exercises <input checked="" type="checkbox"/> seminars and workshops <input type="checkbox"/> distance learning <input type="checkbox"/> field classes		<input checked="" type="checkbox"/> individual assignments <input type="checkbox"/> multimedia and network <input type="checkbox"/> laboratory <input type="checkbox"/> supervisor's work <input type="checkbox"/> other _____		
<b>Comments</b>					
<b>Students' obligations</b>					

**Grading, evaluation and monitoring of students' work continuously during lectures and exams**

Grading is based upon evaluation of course's learning outcomes' adoption. Grading is performed continuously during lectures and/or during exam, in compliance with the provisions of Regulation on the assessment of students.

**Continuous check-up:**

Outcomes	Pre-exam I	Pre-exam 2	Pre-exam 3	Threshold	Max
Outcome 1	15%			7,5%	15%
Outcome 2	20%			10%	20%
Outcome 3		15%		7,5%	15%
Outcome 4		15%		7,5%	15%
Outcome 5			20%	10%	20%
Outcome 6			15%	7,5%	15%
Percentage of ECTS	1	2	2		
Total	35 %	30 %	35 %	50 %	100 %

A student has passed the exam if he has acquired a percentage of credits for each learning outcome higher or equal to defined threshold.

**Exam term:**

Outcomes	Written exam	Oral exam	Max
Outcome 1	14%	1%	15%
Outcome 2	18%	2%	20%
Outcome 3	14%	1%	15%
Outcome 4	14%	1%	15%
Outcome 5	18%	2%	20%
Outcome 6	14%	1%	15%
Percentage of ECTS	4%	1%	
Total	92%	8%	100 %

A student has passed the exam if he has acquired a percentage of credits for each learning outcome higher or equal to defined threshold.

**Grading:**

A student has passed the exam if he has acquired at least 50% of anticipated credits of a specific learning outcome. If a student has passed learning outcomes of all courses, the accomplished credits (percentages) of all passed learning outcomes are being added, while the final grade is defined upon following table:

Range of credits (percentages)	Numerical grade	ECTS grade
90,00 – 100,00	Excellent (5)	A
75,00 – 89,99	Very good (4)	B
60,00 – 74,99	Good (3)	C
50,00 – 59,99	Sufficient (2)	D
0,00 – 49,99	Insufficient (1)	F

**Obligatory literature**

Materials from lectures

**Additional literature**



