

## TEACHING SYLLABUS

<b>Course description</b>	<b>FIRE PREVENTION AND FIRE FIGHTING</b>
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Course code	TM/FV 1.2.17	Year	I	
		Semester	2	

Faculty	Navigation and Naval Transport Naval Electromechanics	The number of hours per semester / activities				
Domain	Naval Engineering and Navigation	Total	C	S	L	P
Specialization	Navigation and Maritime and River Transport Electromechanics Electrotechnics	56	28	-	28	-

Approved,  
UMC RECTOR  
Prof. Cornel PANAIT, Ph.D.

Approved,  
Romanian Naval Authority

PROMOTION AND IMO COURSES DEPARTMENT DIRECTOR,  
Sen.lect.Dr.eng. Liviu Constantin STAN

Course type <b>DF</b> -fundamental, <b>DD</b> -engineer, domain specific, <b>DS</b> -specialized, <b>DC</b> -complementary	DS
Course optionality: <b>DI</b> -required, <b>DO</b> -optional, <b>DF</b> - facultative	DF

Previous courses	<b>Obligations</b> (conditioned)	General Chemistry, General Physics
	<b>Recommended</b>	Mechanical and hydraulic installations, Materials technology, Strength of materials.

Objectives	Theoretical knowledge of the phenomenon of initiation and spread of fire, the fire prevention measures on ships, the practical skills for effective struggle for their fight.
Content (descriptors)	1. Notions of fire. Fire chemistry 2. Fire prevention 3. Fire detection 4. Fire fighting 5. Protective Equipment

	<b>6. Fire-extinguishing substance. Portable fire extinguishers</b>
Test and evaluation	Check the properties of practical skills: fitting outfits and self contained breathing apparatus, using portable extinguishers and fixed installations, general fire/ foam behavior .

Final grade (percentage)	- answers to exam / colloquium / practical work	80
	- certified applied activities / lab / practical work / project, etc.	20
	- tests during the semester	
	- tasks	
Bibliography	Masini si instalatii navale, poluare si PSI- Mariana Panaitescu, Viorel Panaitescu, Ed. ExPonto, 2003.	
List of needed materials	PSI Polygon, Open circuit breathing apparatus, complete equipment fire, Fire Extinguishers (portable and with water / foam jet).	

Lecturer Position, title, first name, name	Signature
Sen.lect.Dr.eng. Zus Noel Mircea	
Head of chair Position, title, first name, name	Signature
Prof. Bordea Gheorghe, Ph. D	
Head of IMO Department Position, title, first name, name	Signature
Sen.lect.Dr.eng. Liviu Stan	

Legend: C-course, S-seminar, L- Laboratory or simulator activities, P- project or practical work