UNIVERSITY OF NOVI SAD - MASTER ACADEMIC STUDY PROGRAMME DISASTER RISK MANAGEMENT AND FIRE SAFETY **COMPARATIVE ANALYSIS OF CURRICULA FROM 2016 TO 2019**

		ORIGINAL PROGRAMME	FIRST INNOVATION OF PROGRAMME CURRICULUM							
Master Academic Studies-Master in Disaster Risk Management and Fire Safety- study programme 2016/2017 1 *one year 60 ECTS					Master Academ	Master Academic Studies-Master in Disaster Risk Management and Fire Safety- study programme 2017/2018 1 *one year 60 ECTS Winter Summer ECTS				
Nr.	Subject Code	Course Litle in the Country Language	nter Sum em. sei		Nr. Subject Co		Winter sem.	Summer sem.	ECTS	
1.	11.ZP501		+2	4	1. 11.ZP501	Integrated Natural Disaster Risk Management	2+2		4	
2.		<u> </u>	+2	4	2. 06.URZP6 3. 06.ZP512	Assessment of Damaged Structures Protection and Rescue Plans	2+2 2+1		4	
3.			+1	3	4. 06.ZP312	Elective courses 1	2+1		3	
4.			+2	4	4.1 06.ZF3013	Risk analysis in decision making process	2+2		4	
5		2	+2	4	4.2 06.ZP508	Design and Maintenance of the Fire Detection Systems	2+2		4	
-		Planning and organizing activities during events			5. 06.ZPMI1	Elective courses 2				
6.	06.ZP514	with catastrophic consequences	+2	3	5.1 06.ZP507	Design and Maintenance of Stationary Fire Extinguishing Systems	2+2		4]
7.			+1	3	5.2 06.ZP511	Financial resilience to hazards	2+2		4	Two new courses created on the
8.		Elective courses 1	_		6. 06.ZP514	Planning and organizing activities during events with catastrophic consequences	2+2		3	basis of research conducted within
8.1	06.URZP65	Geodetic methods for the determination of geodynamic movements	2+	1 3	7. 06.Z506	Advanced Course in Mathematics 1	2+1		3	the project:
8.2	06.ZP506	Crisis Management	2+	1 3	8. 06.ZPMI4	Elective courses 3				1 – Risk analysis in decision makin
9.	06.ZPMI0	Elective courses 2			8.1 06.URZP6	Geodetic methods for the determination of geodynamic movements		2+1	3	process
9.1	06.URZP55	Fire and Explosion Protection due to Electricity	2+	1 3	8.2 06.ZP506	Crisis Management		2+1	3	2 – Financial resilience to hazards
9.2		Safety of Strategic Energy Facilities	2+	1 3	9. 06.ZPMI0	Elective courses 4				Additionaly, the students'
10.		Elective courses 3			9.1 06.URZP5	Fire and Explosion Protection due to Electricity		2+1	3	satisfaction with other courses w
10.1	06.ZP509	Investigation of Fire and Explosion	2+	1 4	9.2 06.URZP6 10. 12.ZPMI5	Safety of Strategic Energy Facilities Elective courses 5	1	2+1	3	monitored.
10.2		The role of media in reducing the risk	2+		10. 12.ZPM13 10.1 06.ZP509	Investigation of Fire and Explosion		2+1	4	
11.		Elective courses 4			10.2 06.URZP6	The role of media in reducing the risk		2+1	3	
11.1		Qualitative and quantitative methods of risk management	2+	2 3	11. 12.ZPMI6	Elective courses 6				
11.2		Technical Systems Reliability	2+		11.1 06.ZP515	Qualitative and quantitative methods of risk management		2+2	3	
12.		Professional practice	0+		11.2 12.ZP516	Technical Systems Reliability		2+2	3	
13.		Study Research Work on theoretical basis of the master thesis	0+		12. 06.Z504	Professional practice		0+3	3	
14.		Master Thesis – Elaboration and Defense	0+			Study Research Work on theoretical basis of the master thesis	1	0+9	10	
 			ECTS	60-0	14. 12.URZP0	Master Thesis – Elaboration and Defense	FC	0+8 CTS	10 60-61	

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		OF PROGRAMME	
SECOND		OF PROGRAMME	CONNICOLOIVI

	Ma	ster Academi	c Studies-Master in Disaster Risk Management and Fire Safety- stu 1 *one year 60 ECTS	dy progra	<u>mme</u> 201	8/2019
	Nr.	Subject Code	Course Title in the Country Language	Winter sem.	Summer sem.	ECTS
	1.	11.ZP501	Integrated Natural Disaster Risk Management	2+2		4
	2.	06.URZP62	Assessment of Damaged Structures	2+2		4
	3.	06. ZP 512	Protection and Rescue Plans	2+1		3
Two courses created in	4.	06. ZP 514	Planning and organizing activities during events with catastrophic consequences	2+2		3
previous year are	5.	06.Z506	Advanced Course in Mathematics 11	2+1		3
innovated, and a new	6.	06.ZPMI3	Elective courses 1			
course has been created – Evacuation calculation and	6.1	06.URZP55	Fire and Explosion Protection due to Electricity	2+1		3
modeling.	6.2	06.URZP63	Safety of Strategic Energy Facilities ²	2+1		3
Additionally, the students'	7.	06.ZPMI1	Elective courses 2			
satisfaction with other	7.1	06.ZP507	Design and Maintenance of Stationary Fire Extinguishing Systems ³	2+2		4
courses was monitored	7.2	06.URZP64	The role of media in reducing the risk	2+1		3
and based on this, as well	8.	06.ZPMI4	Elective courses 3			
as based on research	8.1	06.ZP506	Crisis Management	2+1		3
conducted within project,	8.2	06.URZP65	Geodetic methods for the determination of geodynamic movements ⁴	2+1		3
some courses are omitted	9.	06.ZPMI0	Elective courses 4			
from the curriculum in the	9.1		Investigation of Fire and Explosion		2+1	4
following innovation (third	9.2	06.ZP510	Risk analysis in decision making process		2+2	4
one) - courses marked in red.	10.	12.ZPMI5	Elective courses 5			
red.	10.1	06.ZP511	Financial resilience to hazards		2+2	4
	10.2	06.ZP508	Design and Maintenance of the Fire Detection Systems ⁵		2+2	4
	11.	12.ZPMI6	Elective courses 6			
	11.1	06.URZP74	Evacuation calculation and modeling		2+2	3
	11.2	12.ZP516	Technical Systems Reliability ⁶		2+2	3
	11.3	06.ZP515	Qualitative and quantitative methods of risk management ⁷		2+2	3
	12.		Professional practice		0+3	3
	13.	06.URZP02	Study Research Work on theoretical basis of the master thesis		0+9	10
	14.	12.URZP01	Master Thesis – Elaboration and Defense		0+8	10
				EC	TS	60

THIRD INNOVATION OF PROGRAMME CURRICULUM – FINE TUNNING

Curriculum changed in the accreditation process and will be valid for the next 7 years.

Master Academic Studies-Master in Disaster Risk Management and Fire Safety- study programme 2019/2020

1 *one year.- 60 ECTS Winter Summer ECTS Nr. Subject Code Course Title in the Country Language sem. sem. 17.ZP501 Integrated Natural Disaster Risk Management 2+2 4 17.URZP62 Assessment of Damaged Structures 2+24 17.ZP512 Protection and Rescue Plans 2+23 Organization of Construction Works in the Reconstruction of the 4. 17.URZP73 2+2 4 Settlement 17.ZPMI0 Elective courses 1 17.URZP55 Fire and Explosion Protection due to Electricity 2+24 17.ZP506 Crisis Management 2+2 4 17.ZPMI1 Elective courses 2 17.ZP509 Investigation of Fire and Explosion 2+2 4 17.URZP64 The role of media in reducing the risk 2+2 4 17.ZP510 Risk analysis in decision making process 3+2 5 8. 17.ZPMI3 Elective courses 3 8.1 17.ZP507 Design and Maintenance of Fire Protection Systems 2+2 4 8.2 17.ZP511 Financial resilience to hazards 2+2 4 17.URZ504 Professional practice 0+6 4 10. 17.URZP74 Evacuation calculation and modeling 2+2 3 11. 17.URZP02 Study Research Work on theoretical basis of the master thesis 0+12 15 0+5 6 17.URZP01 Master Thesis – Elaboration and Defense 60 ECTS

Implemented changes:

- 1) Advanced Course in Mathematics is adapted and in the appropriate number of hours implemented in the course *Risk* analysis in decision making process; 2) Given that the course material
- concerned facilities which does not exist pa student in the Western Balkans students were not interested in attending this course;
- Courses 3) and 5) are merge to new course - Design and Maintenance of Fire Protection Systems;
- 4) Course content overlapped with the Integrated Natural Disaster Risk Management course so the decision was made to modernize this course with
- the necessary differences: 6) The required content was implemented in in the course *Risk*
- analysis in decision making process as students were not interested in attending this course;
- 7) The material was improved and the course was transferred to the doctoral level;

Additionally, number of hours for Professional practice was increased as well as number of hours and ECTS within master thesis preparation, elaboration and defense.

Other courses marked in yellow are also innovated.