D_EORM- Environmental and occupational risk management

		Cou	irse specification		
Course title	Environmental and occupational risk management				
Acronym	EORM				
Level	BA (Bachelor studies)				
Study programme	Environmental Engineering				
Module	/				
Lecturer (for classes)	Dr Maja B. Djolic				
Lecturer/Associate (for practice)	Dr Maja B. Djolic				
Lecturer/Associate (for OTC)					
ESPB	4.0	Status			
Condition		Condition	Passed all courses from the first year.		
The goal	Understanding basic concepts and problems related to risk management in general, and in particular fo environmental and occupational safety. Case studies and analysis of accidents in the industry, their causes and consequences, as well as the possibilities for their elimination or minimization.				
The outcome	Knowledge of techniques, technologies and organizational measures aimed at preventing accidents that can endanger the environment, people and property, and minimizing their effects if they occur.				
			Contents		
Contents of lectures	Definitions of risk, hazard, accident and disaster. Concept and classification (L1); Environment and occupational safety. Environmental Protection. Quality management (L2); International legal regulations for risk management. Relevant international standards (ISO 14000, ISO 18000, ISO 31000, ISO 45001) and guidelines for their implementation. (L3), Risk management: identification, assessment and risk control. Risk management models (L4); Methods for technical risk assessment. Methods for human reliability assessment - analysis, presentation and assessment of human error (L5-6), Chemical hazard, safe storage and handling of chemicals. Registration, evaluation and purpose of chemicals (L7);				

		and rout environt environt	tes of degradation of en mental and risk proce ment, their causes ar	nitoring. Detection, identification, routes of exposure to chemical agents nvironmental media (L8); Advanced information techniques for simulating esses (L9-10); Case studies of accidental situations in the industry and nd consequences, as well as the possibilities for their elimination or ons in environmental and occupational risk management (L12).		
Contents of exercises		Examples of analytical techniques and methods used in monitoring the quality of the environment (E1), Examples of information techniques and methods used in monitoring the quality of the environment (E2), Interpretation of standard requirements in industrial practice (E3), Interpretation of technical risk management measures; Interpretation of human error assessment measures (E4), Analysis and comparison of risk management models, application in practice (E5), Discussion, presentation of seminar papers (E6)				
				Literature		
	row: Normal A European	ccidents: Environ	: Living with High-Ris mental Agency, The a	ment, Springer Verlag, Berlin, ISBN: 978-3-540-26249-7, 2006 (Original sk Technologies, Princeton University Press, ISBN-13: 978-0691004129; pplication of environmental risk assessment in industry ications/GH-07-97-595-EN-C2/chapter7h.html)		
		Nu	mber of hours per we	ek during the semester/trimester/year		
Lectures	Exercises		Study and Research			
2	1		·			
Sen	nester	Fall Ser	nester			
Methods	Methods of teaching Lectures (ppt presentations) and practical part (which includes literature review related to a risk management technique or an analysis of specific incident situation - Case study)					
Assessme	nt methods	Semina	r and oral exam			
Mode of Teaching		Distant (remote) / On site (physical)				
Language of	Language of instruction English					
Prerequisites Knowledge of English language			ge			
			Knowledge so	core (maximum points 100)		
Preob	ligations	Points	Final exam	Points		
	ring lectures	I UIIIIS	Test paper	i onits		
	al lessons			40		
- 140410						

Projects	
Colloquia	
Seminars	0

• <u>Facebook</u>

Karnegijeva 4, 11120 Belgrade, Serbia |E-mail: tmf@tmf.bg.ac.rs |Contact