RĪGAS TEHNISKĀ UNIVERSITĀTE

RTU Course "Civil Defence"

22231 Darba un civilās aizsardzības katedra

General data

Code	ICA301
Course title	Civil Defence
Course status in the programme	Compulsory/Courses of Limited Choice
Responsible instructor	Jeļena Pundure
Academic staff	Matīss Šmitiņš Vladimirs Jemeļjanovs Jānis Bartušauskis
Volume of the course: parts and credits points	1 part, 1.0 Credit Points, 1.5 ECTS credits
Language of instruction	LV, EN
Abstract	The study course includes knowledge of civil protection tasks, regulatory enactments, legal bases, and organizational principles. In addition, information on the different types of disasters that may endanger human life is learned. When studying this study course, students acquire the skills to act in the event of a natural disaster, explosion, fire, leakage of a chemical hazardous substance, radiation, and learn to evacuate and use protective equipment.
Goals and objectives of the course in terms of competences and skills	The aim of this study course is to provide knowledge and skills in the field of civil protection and basic principles of fire safety. The tasks of the study course are: 1. To prepare students for correct action and behavior in the event of a fire and potential emergencies. 2. To provide knowledge and recommendations for the determination of the fundamental origin of technogenic risks and the scheme of their implementation.
Structure and tasks of independent studies	Independent work is done by studying additional literature indicated by the lecturer and doing homework on the following topics: hazardous chemicals and products, radiation safety.
Recommended literature	Obligātā/Obligatory: 1.Civilās aizsardzības un katastrofas pārvaldīšanas likums, Rīga, 05.05.2016. 2.Civilā aizsardzība: laboratorijas darbi (Civil protection: laboratory works). Riga, RTU, 2014, 21p. 3. J.Malahova, M.Urbans, J.Ievins. M.A.Radin. Modern trends in disaster planning and management in the world and in the Latvia. WSEAS TRANSACTIONS on ENVIRONMENT and DEVELOPMENT. E-ISSN: 2224-3496, Volume 15, 2019, 164-175.p. (ELSEVER, SCOPUS) Papildu/Additional: 1.Noteikumi par pašvaldību sadarbības teritorijas civilās aizsardzības komisijām, MK noteikumi Nr. 582, 26.09.2017. 2.Noteikumi par civilās aizsardzības plānu struktūru un tajos iekļaujamo informāciju, MK noteikumi Nr. 658, 07.11.2017. 3.EU laws and regulations (directives according to directory sections of EU legal acts) – in the relevant areas. 4.Jemeļjanovs V., Sulojeva J. Civilā aizsardzība (Civil protection). R.,RTU, 2012,68 p. 5.Matisāne.L. Civilā aizsardzība: minimālās prasības civilās aizsardzības kursa saturam vispārējā un profesionālajā izglītībā (Civil protection: minimum requirements for the contents of the civil protection study course in general and vocational education). NCE, 2011, 81 p. 6.Kusiņš J., Kļava G. Civilā aizsardzība: mācību līdzeklis (Civil protection. Teaching aid.). Marupe: Drukātava 2011, 377 p. 7.Humanitarian aid and civil protection: support in disasters and conflict victims, protection for those at risk. Luxembourg: European Union Publishing office, 2015. 16 p. 8. J.Malahova, M. Urbans, V.Jemeljanovs.Indetifying Potential Risks Created By The State Joint-Stock Company Latvijas Dzelzceļš Jelgava Station And Evaluating Their Impact On The Environment, Inhabitants And Infrastructure. DOI: 10.22616/ERDev2019.18.N020. Conference: 18th International Scientific Conference Engineering for Rural Development. 20-22 may, 2019. (ELSEVER, SCOPUS) 9. J.Malahova, I.Vilcane, M.Urbans. Assessment of technogenic risks in recovering company for worn tyres. DOI: 10.22616/ERDev2019.
Course prerequisites	Physics, mathematics, chemistry.
Courses acquired before	

Course contents

Content	Full- and part-time intramural studies		Part time extramural studies	
	Contact Hours	Indep. work	Contact Hours	Indep. work
1.National civil protection and crisis management system.	4	4	1	8
2. Planning of local government civil protection commission, civil protection measures.	4	4	2	6
3. Dangerous chemicals and products. Objects of increased danger. Radiation safety.	4	4	1	6
4. Fire safety system, basic principles of risk assessment.	3	4	2	6
5. Individual and collective protection of inhabitants, first aid in life-critical situations.	3	4	1	6

6. Counseling for students before the test.	2	0	1	0
Total:	20	20	8	32

Learning outcomes and assessment

Learning outcomes	Assessment methods
Is able to describe the main elements of the civil protection system in the country, its tasks, organizational principles, and structure.	Control work.
Is able to describe the nature of the planning of a national civil protection plan, implementation of preconditions and structure of the plan.	Control work.
Is able to identify possible hazards in the country, their types, characteristics, consequences, as well as is able to apply the acquired knowledge about objects of increased danger.	Completed laboratory works on these topics: Dangerous chemicals and products, Radiation safety.
Is able to identify fire risks at home, on site, at work.	Completed laboratory work on the topic: explosion hazards and fire hazards.

Evaluation criteria of study results

Criterion	%
Laboratory works on topics: Dangerous chemicals and products, Radiation safety, Danger of explosion	45
Control works	40
Attendance	15
Total:	100

Course planning

Part	Semester			CP	ECTS	Hours per Week			Tests		
	Autumn	Spring	Summer			Lectures	Practical	Lab.	Test	Exam	Work
1.	*	*		1.0	1.5	0.5	0.0	0.5	*		