

Civil, Environmental and Work Security

Academic credits

2 KP (3 ECTS)

Prerequisites

None

Approved by

Methodological Commission (August, 2022)

Course Authors and Lecturers

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Content (Course Annotation)

This study course provides basic knowledge of the requirements of Latvia and the EU and their implementation in the protection of the environment, civil and work conditions. Students shall acquire requirements for the workplace, risks to the working environment, electrical safety, fire safety, emergency situations, basic principles for the assessment and response of civil protection, rights and obligations under the law of the RL.

Aims

The objective of the study course is to present to students the International Labour Protection Conventions, the labour protection and labour laws, regulations, etc. regulatory documents.

Learning Outcomes

Knowledge

The students will know:

- organization, operation and financing principles of the national civil protection system;
- the rights and obligations of the population in the event of disasters;
- simple methods for measuring and reducing risk levels;
- work and environmental protection sites and roles in the activities of institutions, businesses and municipalities

Skills

The students will be able to:

- establishing a work and civil protection system within the organization;
- use the simplest personal protective equipment;
- to perform employee briefings at the workplace, to train employees for safe working methods;
- to provide first emergency aid;
- establishing and completing the necessary documentation regarding the involvement of resources in response measures, firefighting or rescue works;

- comply with fire safety and environmental protection rules;

Competencies

The students will be able to:

- collect and process environmental information;
- analyse different events, take emergency decisions;
- ensure compliance with the regulatory enactments regarding fire safety and environmental protection at the facility;
- develop a positive and responsible attitude towards civil protection measures as an important and necessary State function in each installation, public, state or local government institution.

FULL-TIME STUDIES

Lesson plan

No.	Subject	Hours
1.	Global civil protection challenges around the world. Legal framework for the civil protection system. Day-to-day hazardous situations (internal and external hazards), key general requirements for safe behaviour in different municipal, transport, nature, public places and electronic environments.	6
2.	Responsibilities of the State and the various institutions in the field of civil, environmental and labor protection. Civil Protection Plan Structure of the Facility Civil Protection Plan.	2
3.	Civil alarm and reporting systems in the country as a whole and in specific departments. Procedures for asking and delivery of international assistance. The action of the individual when the alarm is heard. Possible personal protective equipment in the event of disasters, taking into account the nature of the disasters. Possible involvement, role and action of members of the public in emergency situations.	2
4.	Evacuation of population and material values. Evacuation plan. National Early Warning System. Objects of increased hazard. National material reserves.	2
5.	Environmental health and protection. Issues of environmental quality and protection in Latvia and the world. Major environmental health and safety concerns. Environmental legislation	4
6.	Key environmental factors, their identification and assessment (air, water, soil, noise, various pollutants, etc.). Action to mitigate the various environmental aspects and to take action in environmental emergencies	4
7.	Emergency situations caused by natural disasters	2
8.	Extreme situations arising from human activity or anthropogenic disasters	4
9.	The National Security Act. Emergency situations and exceptional situations. Terrorism. CP measures in the event of threats of military conflict.	4

10.	First aid. Action at the site of the accident. Security of the first aid provider. Basic adult revival measures (with the ABC algorithm). Practical development of the basic revival measures. First aid in case of aspiration of a foreign body. First aid in case of drowning. Injuries. Life-threatening bleeding. Shock.	4
9.	Procedures for the investigation and accounting for accidents at work. Preparation of the Act on Accident at Work. Determination of risk.	2
	Total contact hours:	32

Individual study plan

	Individual studies	Hours
1.	Create a civil protection plan fragment for a facility	48

Readings

Mandatory Readings

- 1 Kaļķis V., Roja Ž., Kaļķis H. *Riski darba vidē: raksturlielumi, iedarbība uz organismu, aizsardzība, preventīvie pasākumi: rokasgrāmata*. Latvijas universitāte. Rīga: Latvijas Universitāte, 2007. 68 lpp.
- 2 Kaļķis V., Roja Ž., Kaļķis H. *Arodveselība un riski darbā*. Rīga: Medicīnas apgāds, 2015. 538 lpp.
- 3 Kaļķis V. *Biznesa ergonomikas vadība. Monogrāfija*. Rīga: Gūtenbergs Druka, 2014. 155 lpp.
- 4 Kaļķis V. *Darba vides risku novērtēšanas metodes*. Rīga: Latvijas Izglītības fonds, 2008. 242 lpp.
- 5 Juris Kusiņš J., Kļava G. *Civilā aizsardzība./ Mācību līdzeklis*. SIA "Drukātava", 2011. 377 lpp.
- 6 Eiropas Darba drošības un veselības aizsardzības aģentūra. Irastorza X. European Agency for Safety and Health at Work (EU-OSHA). *Third European Survey of Enterprises on New and Emerging Risks*. ESENER
- 7 European Agency for Safety and Health at Work // <https://osha.europa.eu/lv/publications/healthy-workplaces-good-practice-awards-2018-2019/view>
- 8 Regulation No. 359 "Labour Protection Requirements in Workplaces" // http://www.lm.gov.lv/upload/legislation/leg_health_8.pdf
- 9 Regulation No. 950 „Procedures for Investigation and Registration of Accidents at Work” // <https://likumi.lv/ta/en/en/id/196653>
- 10 Regulation No. 660 “Procedures for the Performance of Internal Supervision of the Work Environment” // <https://likumi.lv/ta/en/id/164271-procedures-for-the-performance-of-internal-supervision-of-the-work-environment>
- 11 Regulation No. 749 “Regulations Regarding Training in Labour Protection Matters” // <https://likumi.lv/ta/en/id/214922-regulations-regarding-training-in-labour-protection-matters>

- 12 Fire Safety and Fire-fighting Law. Regulation No. 238 Fire Safety Regulations Civil Protection and Disaster Management Law // <https://likumi.lv/ta/en/id/68293-fire-safety-and-fire-fighting-law>

Additional Readings

1. *Civilās aizsardzības un katastrofas pārvaldīšanas likums.* // Latvijas Republikas likums. Pieņemts Latvijas Republikas Saeimā 05.05.2016.; stājies spēkā ar 01.10.2016. // Latvijas Vēstnesis, 100 (5672), 25.05.2016.
2. *Darba aizsardzības likums.* // Latvijas Republikas likums. Pieņemts Latvijas Republikas Saeimā 20.06.2001.; stājies spēkā ar 01.01.2002. // Latvijas Vēstnesis, 105 (2492), 06.07.2001.
3. *Ķīmisko vielu likums.* // Latvijas Republikas likums. Pieņemts Latvijas Republikas Saeimā 01.04.1998.; stājies spēkā 01.01.1999. // Latvijas Vēstnesis, 106 (1167), 21.04.1998.
4. *Latvijas Republikas Satversme* // Latvijas Republikas likums. Pieņemts Latvijas Satversmes Sapulces kopsēdē 15.02.1922.; stājies spēkā 07.11.1922. // Latvijas Vēstnesis, 43, 01.07.1993
5. *Mobilizācijas likums* // Latvijas Republikas likums. Pieņemts Latvijas Republikas Saeimā 30.05.2002.; stājies spēkā ar 01.01.2005. // Latvijas Vēstnesis, 91 (2666), 18.06.2002.
6. *Nacionālās drošības likums.* // Latvijas Republikas likums. Pieņemts Latvijas Republikas Saeimā 14.12.2000. ;stājies spēkā 12.01.2001. // Latvijas Vēstnesis, 473/476 (2384/2387), 29.12.2000
7. *Nacionālo bruņoto spēku likums.* // Latvijas Republikas likums. Pieņemts Latvijas Republikas Saeimā 04.11.1999.; stājies spēkā 08.12.1999. // Latvijas Vēstnesis, 388/389 (1848/1849), 24.11.1999.
8. *Par ārkārtējo situāciju un izņēmuma stāvokli.* // Latvijas Republikas likums. Pieņemts Latvijas Republikas Saeimā 07.03.2013.; stājies spēkā 10.04.2013. // Latvijas Vēstnesis, 61 (4867), 27.03.2013.
9. *Par pašvaldībām.* // Latvijas Republikas likums. Pieņemts Latvijas Republikas Saeimā 19.05.1994.; stājies spēkā 09.06.1994. // Latvijas Vēstnesis, 61 (192), 24.05.1994
10. *Par radiācijas drošību un kodoldrošību.* // Latvijas Republikas likums. Pieņemts Latvijas Republikas Saeimā 26.10.2000.; stājies spēkā 21.11.2000. // Latvijas Vēstnesis, 394/395 (2305/2306), 07.11.2000.
11. *Ugunsdrošības un ugunsdzēsības likums.* // Latvijas Republikas likums. Pieņemts Latvijas Republikas Saeimā 24.10.2002.; stājies spēkā 01.01.2008. // Latvijas Vēstnesis, 165 (2740), 13.11.2002.
12. *Valsts materiālo rezervju likums.* // Latvijas Republikas likums. Pieņemts Latvijas Republikas Saeimā 01.11.2018.; stājies spēkā 01.01.2019. // Latvijas Vēstnesis, 225, 14.11.2018.

Internet sources

1. <http://www.likumi.lv>
2. <https://www.vugd.gov.lv/>
3. <http://osha.lv/lv/>