

UČNI NAČRT PREDMETA / SUBJECT SPECIFICATION

Predmet:	TERORIZEM IN LOGISTIKA OBRAMBE PRED OROŽJI ZA MNOŽIČNO UNIČEVANJE
Subject Title:	TERRORISM AND LOGISTICS OF DEFENSE AGAINST WEAPONS OF MASS DESTRUCTION

Študijski program Study programme	Študijska smer Study field	Letnik Year	Semester Semester
LOGISTIKA SISTEMOV		2	3.
LOGISTICS OF SYSTEMS			

Vrsta predmeta / Course type:

Univerzitetna koda predmeta / University course code:

Predavanja Lectures	Seminar Seminar	Sem. vaje Tutorial	Lab. vaje Lab work	Teren. vaje Field work	Samost. delo Individ. work	ECTS
25					425	15

Nosilec predmeta / Lecturer:

Jeziki / Predavanja/ Lecture:
 Languages: Vaje / Tutorial:

Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:

Prerequisites:

Vsebina:

Terorizem z orožji za množično uničevanje (OMU) in povezanost z jedrsko, radiološko, kemično in biološko obrambo in obrambo pred eksplozivnimi sredstvi (JRKB/EO).
 Orožja za množično uničevanje in eksplozivna sredstva.
 Oprema JRKB/EO.
 Jedrska, radiološka, kemična in biološka obramba in obramba pred eksplozivnimi sredstvi (JRKB/EO).
 Standardi usposobljenosti za JRKB/EO.
 Logistika JRKB/EO.
 Komunikacije JRKB/EO.
 Obveščevalna zagotovitev.
 Upravljanje z nevarnostjo.
 Nacionalna zaslomba in združena ocenjevalna skupina.

Content (Syllabus outline):

- Terrorism using weapons of mass destruction (WMD) in accordance to chemical, biological, radiological, nuclear/ explosives defense (CBRN/ED).
- WMD and explosives.
- CBRN/ED equipment capability.
- CBRN/ED.
- Standards of proficiency for CBRN/ED.
- JRKB/EO logistics.
- CBRN/ED communications.
- Intelligence support.
- Hazard management.
- Reach-back/Joint Assessment Team

Temeljni študijski viri / Textbooks:

Acha, PN., Szyfres, B. Zoonoses and communicable diseases common to man and animals. Washington: Pan American Health Organization, World Health Organization, 1994.
 Casarett and Doull's Toxicology. C.D. Klaasen (ed.). 6th ed. New York: McGraw-Hill Companies, 2001.
 Council Directive 96/29 EURATOM Basic safety Standards for the protection of the health of workers and the general public against the dangers arising from ionizing radiation 1996.
 Graham, AW., Schultz, TK. Principles of addiction medicine. Maryland: American Society of Addiction Medicine, 1998.
 IAEA TECDOC-1355 Security of radioactive sources, June 2003.
 Jones, HM., Brown, CC. Accidental and intentional animal disease outbreaks: assessing the risk and preparing an

effective response. Rev. Sci. Tech. Off. Int. Epiz., 25 (1), 21-33, 2006.

McKim, WA. Drugs and behavior. New Jersey: Prentice Hall, 1997.

MORS, PDRIU, CDR, Oddelek radiološke, kemične in biološke obrambe. Jedrska, radiološka, kemična in biološka obramba. PDRIU, 2006.

NATO Standardization Agency. AJP-3.8: Allied joint doctrine for NBC defence. Brussels: NSA, 2003.

NATO Standardization Agency. ATP-3.8.1: Specialist NBC defence capability. Brussels: NSA, 2005.

NATO Standardization Agency. NATO handbook on the medical aspects of NBC defensive operations: AMedP-6(B). Washington: Departments of the Army, Navy and the Air Force, 1996.

NATO Standardization Agency. STANAG 2150 NBC (7th ed.) – NATO standards for proficiency for NBC defence. NSA(ARMY)0974/2150. Brussels: NSA, 2002.

NATO Standardization Agency. AJP-3.14: Allied joint doctrine for force protection. Brussels: NSA, 2006.

NATO Standardization Agency. AJP-2: Joint intelligence, counter-intelligence and security doctrine. Brussels: NSA, 2005.

NATO Standardization Agency. AJP-3.4: Non article 5 crisis response operations. Brussels: NSA, 2005.

Podbregar I., Sotlar, A. Disaster management and risk management: Slovenia's perspective. In: eCommerce, Terrorism, and Security. 16th Bled Electronic commerce conference "transformation". Bled, 2003. COBISS.SI-ID: 3825683.

Podbregar, I. Trendi razvoja slovenske obveščevalno-varnostne skupnosti po vstopu v EU in NATO. V: Pagon, Milan (ur.). Dnevi varstvoslovja. Ljubljana: Visoka policijsko-varnostna šola, 2003, 7 str. COBISS.SI-ID: 684522.

Podbregar, I. Organizational aspect of common security in European Union. V: Florjančič, Jože (ur.). 22. mednarodna znanstvena konferenca o razvoju organizacijskih ved, Portorož, 26-28. marec 2003. Management and organization development: collection of papers from international scientific conference on development of organizational sciences. Kranj: Moderna organizacija, 2003, str. 61-69. COBISS.SI-ID: 3823123.

Timbrel, J. Introduction to Toxicology. 3rd ed. Boca Raton: CRC Press, 2002.

Walker CH., Hopkin, SP., Silby, RM., Peakall, DB. Principles of Ecotoxicology. 2nd ed. London: Taylor & Francis, 2001.

Cilji:

- se seznanijo s pomenom in aktualno dinamiko povezave terorizma z OMU in JRKB/EO
- poznajo doktrinarne dokumente in natančne postopke, ki narekujejo odzivanje in delovanje ob pojavu JRKB/E-nevarnosti
- pridobijo podrobnejša znanja o vrstah JRKB/E-orožij in njihovih učinkih in nevarnostih, ki jih predstavljajo
- pridobijo znanja za oceno JRKB/E-dogodka in okolja
- pridobijo znanja o načinih prepoznavanja in identifikacije JRKB/E-orožij in agensov
- pridobijo znanja o opremi za osebno in kolektivno zaščito
- so sposobni izbrati primerne opreme glede na specifikum JRKB/E-dogodka in posledičnega okolja
- so sposobni svetovati način aplikacije opreme
- pridobijo znanja in sposobnosti, ki so potrebna za vzpostavitev celovite organizacije, izvajanja in vodenja JRKB/EO
- pridobijo zavedanje o pomembnosti trajnostnega vzdrževanja znanj za JRKB/EO
- so sposobni vzpostaviti sistem, ki omogoča razvijanje trajnostnega vzdrževanja in nadgradnje JRKB/E-znanj
- so sposobni nudenja in zagotovitve zdravstvene samopomoči, soproščila, higijene in provizorične karantene do vključitve zdravstvene službe
- so sposobni smiselne evaluacije in aplikacije standardov v realno nacionalno varnostno okolje

Objectives:

- to be acquainted with the meaning and current dynamic of terrorism using WMD in accordance to CBRN/ED
- to gain knowledge about doctrinaire documents conducting accurate response and course of action in CBRN/E hazards
- to gain the detailed knowledge about the different types of CBRN/E weapons and resulting CBRN/E hazards
- to gain the knowledge how to assess CBRN/E event and environment
- to gain knowledge how to recognize and identify different types of CBRN/E weapons and agents
- to gain the knowledge about personal and collective protection equipment
- to gain the capability to select the accurate equipment regarding to specific CBRN/E event and environment
- be able to advice the appropriate equipment use and application
- to gain the knowledge and skills crucial for establishing, conducting and leadership in CBRN/ED
- to realize the importance of permanent and lasting CBRN/ED education
- be able to provide the permanent upgrading of the the CBRN/E knowledge

- razume pristojnosti civilne, varnostne in oborožene sile: točke povezljivosti in točke popolne ločljivosti
- razume pristojnosti strateškega upravljanja in potrebnega delegiranja pristojnosti v primeru uporabe OMU
- pridobijo znanja za učinkovito zagotavljanje vzdržljive in neprekinjene logistične podpore za JRKB/EO
- so sposobni predhodnega in smiselnega načrtovanja obsega in tipa logistične podpore glede na JRKB/E-okolje
- pridobijo osnovna znanja o organizaciji zvez in informacijskega sistema vodenja in kontrole v JRKB/EO
- razumejo pomen obveščevalnega podatka za JRKB/EO
- so sposobni jasne dikcije obveščevalnega zahtevka in interpretacije obveščevalnega podatka
- razumejo pojem in razsežnosti upravljanja z JRKB/E- nevarnostjo na nacionalni in nadnacionalni ravni
- razumejo načelo in cilje zaščite sil
- razumevanje pomena in vloge koncepta nacionalne zaslombe na strateškem nivoju
- razume kdaj, kdo in zakaj predstavlja združeno ocenjevalno skupino, ki je sestavljena iz izbranih ekspertov posameznih znanstvenih disciplin in njihovo vlogo ter pristojnosti v zvezi z ekspertnimi konzultacijami v krizi

- be able to provide self-aid, hygiene and provisional quarantine on the non-medical level
- be able to provide the reasonable evaluation and application of the existing standards into real national security environment
- be able to understand and follow the competencies of the civilian and security/armed forces in the case of WMD attack
- be able to understand the strategic management resulting in course of action at the operational level in the case of WMD attack
- to realize the meaning of effective endurance and sustainable logistics
- be able to presume the type and extent of logistics support prior to course of action in the case of WMD attack
- to gain the basic knowledge about the organization of communication and information system principles for CBRN/ED
- to realize the importance of intelligence support for CBRN/ED
- be able to provide the eloquent intelligence request and accurate interpretation of intelligence data
- understanding of the CBRN/E hazard management at the national and international level
- be able to understand the fundamental meaning of force protection
- to gain the meaning of Reach-back
- be able to understand when, who and why should represent Joint Assessment Team

Predvideni študijski rezultati:

Znanje in razumevanje:

Pridobitev vitalnih znanj za organizacijo, vzdrževanje in vodenje JRKB/EO in razumevanje njenega širšega konteksta.

Prenesljive/ključne spretnosti in drugi atributi:

Nabor znanj, veščin in sposobnosti, ki so neposredno aplikativne na področju varnostnih in obrambnih ved.

Intended learning outcomes:

Knowledge and Understanding:

To gain the vital knowledge regarding conduction, sustainability and leadership of the CBRN/ED and understanding its general context.

Transferable/Key Skills and other attributes:

To gather skills and capabilities which are directly applicable on security and defense studies.

Metode poučevanja in učenja:

Predmet se bo izvajal v obliki predavanj, kjer študent spozna teoretične vsebine predmeta, diskusij, študij primerov ter individualnih konzultacij s predavateljem. Izdelava seminarske naloge in rešitev zastavljene naloge v primeru NRKBO dogodka, zagovor seminarske naloge, ki je pogoj za pristop k pisnemu izpitu in zagovoru pisnega izpita.

Learning and teaching methods:

The course will consist of lectures, tutorials, seminars, discussions, case analyses, as well as individual consultations with the instructor.

Načini ocenjevanja:	Delež (v %) / Weight (in %)	Assessment:
Pisni izpit	40%	Written examination

Reference nosilca / Lecturer's references:

1. IVANUŠA, Teodora, LESJAK, Maja, ROŠA, Magdalena, PODBREGAR, Iztok. Soodvisnost mednarodnega turizma in mednarodnega varnostnega okolja. *Varstvoslovje*, 2012, letn. 14, št. 3, str. 291-306, tabele. http://www.fvv.uni-mb.si/rV/arhiv/2012-3/05_Ivanusa_et-al.pdf. [COBISS.SI-ID [2460394](#)]
2. PODBREGAR, Iztok, IVANUŠA, Teodora. Contemporary consideration and national security systems reengineering. *Econ. Manag. (Univ. Def. Czech Repub.)*, 2011, no. 3, str. 53-61. [COBISS.SI-ID [2322410](#)]
3. PODBREGAR, Iztok, IVANUŠA, Teodora. Javni viri in analitika v obveščevalni dejavnosti. *Rev. krim. kriminol.*, apr.-jun. 2010, letn. 61, št. 2, str. 191-198. [COBISS.SI-ID [1901034](#)]
4. PODBREGAR, Iztok, IVANUŠA, Teodora. Avian influenza (AI) : the threat of pandemic is real if not inevitable : Who will protect the security/armed forces in case of such pandemic?. *International journal of emergency management*, 2009, vol. 6, no. 2, str. 152-161. [COBISS.SI-ID [1803242](#)]
5. RODE, Anže, IVANUŠA, Teodora, PODBREGAR, Iztok. Vojaška obveščevalna dejavnost v aktivni obrambi pred orožji za množično uničevanje. *Varstvoslovje*, 2008, letn. 10, št. 3, str. 484-499, ilustr. [COBISS.SI-ID [1588202](#)]
6. ZORKO, Bojan, IVANUŠA, Teodora, PELC, Rok. Progression of hip dysplasia in 40 police working dogs. *Eur. j. companion anim. pract.*, 2007, vol. 17, no. 2, str. 145-148. [COBISS.SI-ID [2905466](#)]
7. IVANUŠA, Teodora, BERAUS, Katarina, MEDIČ, Jure, SERŠA, Igor, SERŠA, Gregor, JEVTIČ, Vladimir, DEMŠAR, Franci, MIKAC, Urška. Dynamic contrast enhanced MRI of mouse fibrosarcoma using small-molecular and novel macromolecular contrast agents. *Phys. med.*, 2007, vol. 23, no. 3/4, str. 85-90. [COBISS.SI-ID [21265959](#)]
8. IVANUŠA, Teodora, BUTINAR, Janoš. Bronchocutaneous fistula in a dog = Bronhokutana fistula pri psu. *Slov. vet. res.* [English ed.], 2004, vol. 41, no. 3/4, str. 147-154. [COBISS.SI-ID [2347130](#)]
9. SERŠA, Gregor, KRŽIČ, Mateja, ŠENTJURC, Marjeta, IVANUŠA, Teodora, BERAUS, Katarina, KOTNIK, Vladimir, CÖR, Andrej, SWARTZ, Harold M., ČEMAŽAR, Maja. Reduced blood flow and oxygenation in SA-I tumours after electrochemotherapy with cisplatin. *Br. J. Cancer*, 2002, vol. 87, str. 1047-1054. [COBISS.SI-ID [17218343](#)]
10. SERŠA, Gregor, KRŽIČ, Mateja, ŠENTJURC, Marjeta, IVANUŠA, Teodora, BERAUS, Katarina, ČEMAŽAR, Maja, AUERSPERG, Marija, SWARTZ, Harold M. Reduced tumor oxygenation by treatment with vinblastine. *Cancer res. (Baltimore)*, 2001, vol. 61, str. 4266-4271. [COBISS.SI-ID [1142906](#)]
11. IVANUŠA, Teodora, BERAUS, Katarina, ČEMAŽAR, Maja, JEVTIČ, Vladimir, DEMŠAR, Franci, SERŠA, Gregor. MRI macromolecular contrast agents as indicators of changed tumor blood flow = Uporaba kontrastno povdarjenega dinamičnega MR slikanja za spremljanje pretoka krvi v tumorjih. *Radiol. oncol. (Ljubl.)*, June 2001, letn. 35, št. 2, str. 139-147. [COBISS.SI-ID [13382105](#)]
12. IVANUŠA, Teodora. Blood flow evaluation in sa-1 tumours in mice using macromolecular contrast agents in magnetic resonance imaging. *Slov. vet. res.* [English ed.], 2001, let. 38, št. 2, str. 167-178. [COBISS.SI-ID [1211002](#)]
13. IVANUŠA, Teodora, POGAČNIK, Milan. Radiološka diagnostika in forenzična presoja kolčne displazije pri psih = Radiological diagnostics and forensic of canine hip dysplasia. *Slov. vet. res.* [English ed.], 2001, len. 38, št. 4, str. 313-326. [COBISS.SI-ID [1342330](#)]