

## UČNI NAČRT PREDMETA / COURSE SYLLABUS

|                      |                             |
|----------------------|-----------------------------|
| <b>Predmet:</b>      | Varno spletno komuniciranje |
| <b>Course title:</b> | Safe Online Communication   |

| Študijski program in stopnja<br>Study programme and level | Študijska smer<br>Study field                    | Letnik<br>Academic year | Semester<br>Semester |
|---|--|-------------------------|----------------------|
| Mediji in novinarstvo / Media and Journalism              | Program nima smeri / Program has a single course | prvi, drugi             | prvi, drugi          |
| Druga stopnja / Second Level                              |  | first, second           | first, second        |

**Vrsta predmeta / Course type** izbirni / elective

**Univerzitetna koda predmeta / University course code:** VSK / SOC

| Predavanja /<br>Lectures | Seminar /<br>Seminar | Vaje /<br>Tutorial | Klinične vaje<br>/ Practical<br>exercises | Druge oblike<br>študija /<br>Other forms<br>of study | Samost. delo<br>/ Individ.<br>work | ECTS |
|--------------------------|----------------------|--------------------|---|--|------------------------------------|------|
| 20                       |                      | 15                 |   |  | 145                                | 6    |

**Nosilec predmeta / Lecturer:** prof. dr. Igor Bernik / Prof. Igor Bernik, PhD

|                                |                                   |  |
|--------------------------------|-----------------------------------|--|
| <b>Jeziki /<br/>Languages:</b> | <b>Predavanja /<br/>Lectures:</b> | slovenski, angleški / Slovenian, English |
|                                | <b>Vaje / Tutorial:</b>           | slovenski, angleški / Slovenian, English |

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

Ni posebnih pogojev.

**Prerequisites:**

No special prerequisites.

**Vsebina:**

- Komuniciranje v kibernetnem prostoru.
- Zagotavljanju varnosti v kibernetnem prostoru.
- Informacijsko premoženje, ranljivosti, grožnje, tveganja.
- Sistem kibernetne varnosti za varno izvedbo komunikacij.
- Strateško komuniciranje za zagotavljanje kibernetne varnosti v organizaciji in okoljem.
- Kibernetna kriminaliteta in kibernetno bojevanje, hibridne grožnje.
- Globalne spremembe in vpliv na spletno varnost.

**Content (Syllabus outline):**

- Communication in cyberspace
- Ensuring security in cyberspace
- Information assets, vulnerabilities, threats, risks
- Cybersecurity system for secure communication
- Strategic communication to ensure cybersecurity in the organization and with the environment
- Cybercrime and cyberwarfare, hybrid threats
- Global changes and impact on online security

### Temeljni literatura in viri / Readings:

Prislan, Kaja in Bernik, Igor. 2019. *Informacijska varnost in organizacije*. 1. izd. Maribor: Univerzitetna založba Univerze; Ljubljana: Fakulteta za varnostne vede.

Prislan, Kaja, Mihelič, Anže in Bernik, Igor. 2020. A real-world information security performance assessment using a multidimensional socio-technical approach. *PloS one*, ISSN 1932-6203, vol. 15, no. 9, 17. Available at:

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0238739>

Bernik, Igor, Prislan Mihelič, Kaja, Mihelič, Anže. 2022. Country life in the digital era: comparison of technology use and cybercrime victimization between residents of rural and urban environments in Slovenia. *Sustainability*. 2022, vol. 14, iss. 21, str. 1-16, ilustr. ISSN 2071-1050. Available at: <https://www.mdpi.com/2071-1050/14/21/14487/htm>

### Cilji in kompetence:

Cilj predmeta je, da študenti spoznajo varno spletno komuniciranje, uporabo kibernetnega prostora in zagotavljanje kibernetne varnosti v sodobni, digitalni družbi.

Pri predmetu se študenti naučijo uporabe in kombiniranja znanj in veščin z različnih disciplinarnih področij z namenom doseganja integralnega pristopa k varni uporabi kibernetnega prostora. Študenti pri predmetu postanejo sposobni razumevanja, obvladovanja in povezovanja kompleksnih procesov spletnega komuniciranja.

#### Kompetence:

- sposobnost kompleksne analize kulturnih in družbenih procesov;
- zavezanost najvišjim standardom profesionalne etike;
- razvoj komunikacijskih sposobnosti in spretnosti za komuniciranje na različnih ravneh v medkulturnem okolju;
- uporaba in kombiniranje znanj in veščin z različnih disciplinarnih področij z namenom doseganja integralnega pristopa v medijski produkciji;
- sposobnost razumevanja, obvladovanja in povezovanja kompleksnih medijskih informacij;
- sposobnost medijskega komuniciranja v različnih kulturnih okoljih;

### Objectives and competences:

The aim of the course is to get students acquainted with secure online communication, the use of cyberspace and the provision of cybersecurity in a modern, digital society. In the course, students learn to use and combine knowledge and skills from different disciplinary fields to achieve an integrated approach to the safe use of cyberspace. Students in the course become able to understand, master and connect complex processes of online communication.

#### Competences:

- The ability of complex analysis of cultural and social processes
- Commitment to the highest standards of professional ethics
- Development of communication skills and communication skills at different levels in an intercultural environment
- Using and combining skills from different disciplines in order to achieve an integrated approach to media production
- The ability to understand, master and link complex media information
- Understanding the mission of the media in contemporary democratic society
- The ability of self-expression and presentation of own views and ideas through different media genres

- sposobnost samoizražanja in prezentacije svojih stališč in idej skozi različne medijske žanre.

### **Predvideni študijski rezultati:**

Znanje in razumevanje:

Študenti:

- pridobijo razumevanje varnega spletnega komuniciranja;
- razumejo osnovne elemente kibernetске varnosti in uporabe v strateškem komuniciranju;
- pridobijo razumevanje varnostih pristopov in tehnologij za zagotavljanje ustrezne ravni varnosti in varovanja informacijskega premoženja oseb in organizacij;
- poznajo orodja za varno spletno komuniciranje in izvajanje poslovanja v kibernetickem prostoru.

Prenesljive/ključne spretnosti in drugi atributi:

Študenti:

- nadgradijo znanje in podrobneje razumejo varovanje informacij;
- prepoznajo vrednost informacije v komunikaciji;
- pozna obvladovanje standardov varnega spletnega komuniciranja;
- pridobijo sposobnost razumevanja zlorab informacij in informacijskih sistemov v realnem in v kibernetickem prostoru;
- pridobijo razumevanje najaktualnejših trendov varnega spletnega komuniciranja.

### **Metode poučevanja in učenja:**

- predavanja z aktivno udeležbo študentov (razlaga, diskusija, vprašanja, primeri);
- seminarske vaje (refleksija izkušenj, projektno delo, timsko delo, metode kritičnega mišljenja, diskusija, sporočanje povratne informacije);
- samostojen študij (motiviranje, usmerjanje, samoopazovanje, samouravnavanje, refleksija, samoocenjevanje);

### **Intended learning outcomes:**

Knowledge and understanding:

Students:

- Gain an understanding of secure online communication
- Understand the basic elements of cybersecurity and its use in strategic communication
- Gain an understanding of security approaches and technologies to ensure an appropriate level of security and protection of information assets of individuals and organizations
- Know the tools for secure online communication and doing business in cyberspace

Transferable/key skills and other attributes:

Students:

- Upgrade knowledge and understand information security in detail
- Recognize the value of information in communication
- Know how to master the standards of secure online communication
- Acquire the ability to understand the misuse of information and information systems in real and in cyberspace
- Gain an understanding of the latest trends in secure online communication

### **Learning and teaching methods:**

- Lectures with active participation of students (explanation, discussion, questions, examples)
- Seminar exercises (reflection of experience, project work, teamwork, critical thinking, discussion, feedback)
- Individual study (motivation, guidance, self-observation, self-regulation, reflection, self-evaluation)
- Use of online classroom and other contemporary ICT tools

- uporaba spletne učilnice in drugih sodobnih IKT orodij.

### Načini ocenjevanja:

### Assessment:

| Načini:   | Delež (v %) /<br>Weight (in %) | Types:  |
|---|--------------------------------|---|
| <ul style="list-style-type: none"> <li>• Praktična naloga</li> <li>• Pisni izpit</li> </ul> | <p>50%</p> <p>50%</p>          | <ul style="list-style-type: none"> <li>• Practical work</li> <li>• Written exam</li> </ul>        |
| Ocenjevalna lestvica – skladno s Pravilnikom o preverjanju in ocenjevanju znanja.           |                                | Grading scale – in accordance with the Faculty's Rules on Assessment and Evaluation of Knowledge. |

### Reference nosilca / Lecturer's references:

PRISLAN, Kaja, MIHELICH, Anže in BERNIK, Igor. A real-world information security performance assessment using a multidimensional socio-technical approach. *PloS one*, ISSN 1932-6203, 2020, vol. 15, no. 9, 17 str.

TOMAŽIČ, Samo in BERNIK, Igor. Cyberattack response model for the nuclear regulator in Slovenia. *Journal of universal computer science*, ISSN 0948-6968, 2019, vol. 25, no. 11, str. 1437-1457.

MIHELICH, Anže, JEVŠČEK, Matej, VRHOVEC, Simon in BERNIK, Igor. Testing the human backdoor: organizational response to a phishing campaign. *Journal of universal computer science*, ISSN 0948-6968, 2019, vol. 25, no. 11, str. 1458-1477.

CHOI, SeEun, MARTINS, Jorge Tiago in BERNIK, Igor. Information security: listening to the perspective of organisational insiders. *Journal of information science*, ISSN 1741-6485. [Online ed.], 2018, vol. 44, iss. 6, str. 752-767.

BERNIK, Igor in PRISLAN, Kaja. Measuring information security performance with 10 by 10 model for holistic state evaluation. *PloS one*, ISSN 1932-6203, 2016, vol. 11, no. 9, 33 str.

PRISLAN, Kaja, in BERNIK, Igor. *Informacijska varnost in organizacije*. 1. izd. Maribor: Univerzitetna založba Univerze; Ljubljana: Fakulteta za varnostne vede, 2019. II, 202 str., ilustr. ISBN 978-961-286-253-4.