**STUDY COURSE DESCRIPTION**

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| Study course title | **Strategic ICT management** | | | | | | | | | | |
| Study course code (LAIS) | **MKI\_007** | | | | | | | | | | |
| Study programme | **“Cybersecurity engineering”** | | | | | | | | | | |
| **Study course type** | **☒** | Obligatory study course (part A) | | | | | | | | | |
| **Study course amount** | **Creditpoints** | | **ECTS** | | **Academic hours** | | | **Contact hours** | | | **Selfstudy hours** |
| 2 | | 3 | | 80 | | | 24 | | | 56 |
| Study course lecturer | **Tatjana Volkova** | | | | | | | | | | |
| Academic position, scientific degree | | | | | | Professor, Dr.oec. | | | | |
|  | | | | | | | | | | |
| Consultation: based on the preliminary agreement with lecturer | | | | | | | | | | |
| **Study course form** | Full time | | | | | | | | | | |
| **Study year, semester** | 2022./2023 | | | 1st semester | | | | | | | |
| **Study language** | Latvian/English | | | | | | | | | | |
| **Preliminary knowledge** | ICT knowledge and skills, communication skills, knowledge in politics, law, economics | | | | | | | | | | |
| **Study course annotation** | Aim of the course is to get understanding about strategic approach in ICT governance and develop skills for strategic ICT governance on the company. | | | | | | | | | | |
| **Study course methods** | Lectures, seminars, discussions, group work | | | | | | | | | | |
| **Evaluation form** | Exam | | | | | | | | | | |
| **Requirements for obtaining ECTS** | Practical works (60%), Final assignment 40% | | | | | | | | | | |
| **Study course content** | Key terminology of study course. Strategic management process. Company strategic directions, internal and external environment analysis. Industry life cycle analysis. Functional, business and corporate level strategies. CS capabilities. Strategies for competing internationally. Strategic approach to ICT governance. Information security alignment with strategic directions of development and business processes. Practicum: Decision making process, change management. | | | | | | | | | | |
| **Study course LOs; assesment methods and criterias** | **Learning outcomes** | | | | | | | | **Assessment methods** | | |
| **Knowledge and understanding** | | | | | | | | | | |
| Students **know and understand** the strategic approach to ICT governance | | | | | | | | Lectures, seminars, discussions, group work | | |
| **Skills** | | | | | | | | | | |
| Students **can apply** appropriate methods, protection activities, security controls for alignment information security activities with the generic strategies and goals of development of company | | | | | | | | Lectures, seminars, discussions, group work | | |
| **Competence** | | | | | | | | | | |
| Students can **analyze and evaluate** business processes, to conduct its impact analysis on strategic ICT governance | | | | | | | | Lectures, seminars, discussions, group work | | |
| **Basic literature:** | Strategic management: an integrated approach, Hill et al., Cengage Learning, 2017. | | | | | | | | | | |
| **Additional literature:** | Gregory J. Touhill, C. Joseph Touhill Cybersecurity for Executives. A Practical guide, Wiley, 2014 (part 4 Build your Strategy, p. 95 - 125); <https://www.wiley.com/en-us/Cybersecurity+for+Executives%3A+A+Practical+Guide-p-9781118888148>  Hill/Schilling/Jone Strategic Management: Theory an Integrated Approach, 12th Edition, 2017, South – Western Cengage Learning;  Aligning IT with Business strategy. Guidelines for IT Managers  Advancing Cyber Resilience Principles and Tools for Boards, WEF, 2017 | | | | | | | | | | |
| **Study course approval date:** | 03.01.2018. | | | | | **Study course actualization:** | | | | 01.09.2022. | |

**Study course plan:**

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| **Date\*** | **Topic** | **Academic hours** | | **Study forms** |
| **Contact hours** | **Selfstudies** |
| 3.09.21. | Introducation. Key terminology of study course. | 4 |  | Lecture, case analysis, discussions |
| 04.09.21. | Strategic management process. Company strategic directions, internal and external environment analysis. Industry life cycle analysis. | 8 | 8 | Lecture, case analysis, discussions |
| 17.09.21. | Functional, business and corporate level strategies. Strategic approach to ICT governance. Information security alignment with strategic directions of development and business processes. | 8 | 10 | Lecture, case analysis, discussions |
|  | Practicum: Decision making process, change management. | 2 | 10 | Lecture, case analysis, discussions |
|  | Selfstudies |  | 28 | Group and individual work |
|  |  | 2 |  | Final exam |
| ***Study hours:*** | | ***24*** | ***56*** |  |