



Blended
Summer
School

“Applied Cyber Security: from Theory to Practice”

Date: 20 June – 8 July, 2022

The virtual component will take place from 20 June to 1 July, 2022.

The physical component will take place from 4 to 8 July, 2022.

Course aim: to apply theoretical knowledge and practical skills in the field of Cyber security.

ECTS credits: A certificate of attendance and 3 ECTS (European Credit Transfer System) credits will be awarded upon the completion of the programme.

Target group: The Summer School is open to students at all levels of higher education who are interested in cyber security and its applications. A good command of the English language is essential*

Enrolment deadline: 23 May, 2022

Registration fee: 180 EUR** (Coffee breaks, lunch, dinner and cultural programme included)

Payment deadline: 6 June, 2022

Enrolment: <https://forms.gle/We9Fh4UPJaDAZwrQ9>

*The Summer School combines short-term physical mobility with a virtual component, so funding for students can be made available from Erasmus+ mobility funds as short-term study mobility. The individual support to students and teaching staff for physical mobility should be provided by the sending institution that can use its own regular Erasmus funds for mobility. Please contact the Erasmus coordinator at your institution for further information.

**Limited number of participants.

**There is no refund of the registration fee.

Programme:

Virtual component from 20 June to 1 July, 2022

Date	Activities
20 June	Meeting with participants, introduction to the course plan/assigning individual tasks to students
22 June	Lectures “Wireshark sniffing“ “Everyday Digital Forensics (Steganography)“ <i>Gintaras Butkus and Mindaugas Zmitrulevicius, Kaunas University of Applied Science</i>
28 June	Lectures “Footprinting and Reconnaissance” “Using Hash Functions to Validate Data Integrity” <i>Gintaras Butkus and Mindaugas Zmitrulevicius, Kaunas University of Applied Science</i>

Physical component from 4 to 8 July, 2022

Date	Activities
4 July	10:00–10:30 Registration 10:30–10:45 Welcoming 10:45–12:30 Lecture “Principally use of Open Source Intelligence in Cyber, and tracking Russian APTs” / <i>Robert Maxwell, Francisco de Vitoria University</i> 12:30–13:30 Lunch 13:30–15:00 Lecture No. 2 Representatives from Accenture (online) 16:00–18:00 Guided tour in Kaunas 19:00 Dinner
5 July	10:00–13:00 Workshops 10:00–10:45 “Compare Data with a Hash”, “What was Taken?” 11:00–11:45 “Create and Store Strong Passwords”, “Who Owns Your Data?” 12:00–12:45 “Discover Your Own Risky Online Behavior” 13:00–14:00 Lunch 14:00–16:00 Workshops 14:00–14:45 “Cybersecurity Job Hunt”, “Explore Social Engineering Techniques” 15:00–15:45 “Exploring the World of Cybersecurity Professionals”
6 July	Individual assignments and evaluation
7 July	10:00–13:00 Workshops 10:00–10:45 “Install a Virtual Machine on a Personal Computer” 11:00–11:45 “Authentication, Authorization, and Accounting”, “Detecting Threats and Vulnerabilities” 12:00–12:45 “Using Steganography”, “Password Cracking” 13:00–14:00 Lunch 14:00–16:00 Workshops 14:00–14:45 “Using Digital Signatures”, “Use Wireshark to Compare Telnet and SSH Traffic” 15:00–15:45 “Hardening a Linux System”
8 July	10:00–11:00 Workshop experience Summary of the week and concluding remarks