

## Governance and Management of Cyber Security

**Subject area:** Computer Science/ICT

|                       |   |
|-----------------------|---|
| <b>University:</b>    | TalTech   |
| <b>Level:</b>         | BA2, BA3  |
| <b>Teaching mode:</b> | hybrid: some students participate online, other students attend real-life |
| <b>Instructor(s):</b> | Valdo Praust  |

### Short description

A basic-level knowledge and skills of cyber security governance and management with the most commonly used techniques.

### Full description

Cyber security management principles. Information security and cyber security risk management, incident management. Software security architecture and secure software development. Most used techniques and frameworks, their implementation.

### Learning outcomes

Learning outcomes:

- cybersecurity governance: student has knowledge to develop enterprise cybersecurity program;
- cybersecurity risk analysis: student performs enterprise cyber security risk analysis;
- cybersecurity incident management: student has knowledge to develop enterprise cybersecurity incident management policy;
- business continuity: student has knowledge to develop enterprise business continuity management plan;
- cybersecurity strategy: student has knowledge to develop enterprise cyber security strategy.

### General information

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|--------------------------------|---|
| <b>Contact hours per week:</b> | 3 hours   |
| <b>Total workload:</b>         | 156 hours (in student hours for the whole course) |
| <b>ECTS credits:</b>           | 6 ECTS  |
| <b>Language:</b>               | English   |

|                                    |   |
|------------------------------------|---|
| <b>Course start date:</b>          | 30 January 2023   |
| <b>Course end date:</b>            | 09 June 2023  |
| <b>Add. info about start date:</b> | Please see the schedule for the exact start date, at the moment the first day of the semester is given. |
| <b>Weekly teaching day/time:</b>   |   |
| <b>Time zone:</b>                  | CET +1 (Estonia, Israel)  |
| <b>Further information:</b>        |   |
| <b>Prerequisites:</b>              | There are no pre-requisites.  |
| <b>Activities and methods:</b>     | Seminars, Group work  |
| <b>Presence on campus:</b>         | No presence on campus required, EuroTeQ students participate via a telepresence robot.                  |

## Final examination

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|--------------------------------|--|
| <b>Form:</b>                   | assignment                               |
| <b>Date:</b>                   |  |
| <b>Location/format:</b>        | Students have to complete an assignment. |
| <b>Re-sit possibility:</b>     | yes                                      |
| <b>Transcript available:</b>   | end of semester                          |
| <b>Add. info/requirements:</b> |  |

## Registration

To register for this course, follow the registration requirements of your **home university** as specified here: [www.euroteq.eu/courses-registration](http://www.euroteq.eu/courses-registration).

## Administration

|                              |                         |
|------------------------------|-------------------------|
| <b>Number of places:</b>     |                         |
| <b>Minimum participants:</b> |                         |
| <b>Internal course code:</b> | ICS0009                 |
| <b>Contact:</b>              | dagmar.tamme@taltech.ee |

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*This course is part of the EuroTeQ Engineering University joint course catalogue 2023. This is a collaborative activity of the partner universities DTU, L'X, TU/e, TalTech, CTU, TUM as well as Technion. Students from these universities can participate in the offered courses. It is the responsibility of the student to check if you fulfil the requirements to participate in a specific course. Students are also advised to check with their home institution how to get recognition of the ECTS credits gained in courses of the EuroTeQ course catalogue. For further information about EuroTeQ Engineering University, visit [www.euroteq.eu](http://www.euroteq.eu) or get in touch with the above-mentioned point of contact.*