JÖNKÖPING UNIVERSITY
School of Engineering

COURSE SYLLABUS
User-centered Cybersecurity and Privacy, 10 credits

Användarcentrerad cybersäkerhet och personlig integritet (uppdragsutbildning), 10 högskolepoäng

Course Code:	UACN15	**Education Cycle:**	First-cycle level
Confirmed by:	Dean Oct 15, 2024	**Disciplinary domain:**	Technology
Valid From:	May 1, 2025	**Subject group:**	DT1
Version:	1	**Specialised in:**	G2F
		Main field of study:	Informatics

Intended Learning Outcomes (ILO)

After a successful course, the student shall:

Knowledge and understanding
- display knowledge of the cybersecurity subject from a socio-technical viewpoint.
- demonstrate comprehension of models that describe cybersecurity behaviour
- show familiarity with how cybersecurity awareness can be raised among individuals

Skills and abilities
- demonstrate skills of identifying relevant research on how cybersecurity awareness can be raised in specific situations
- demonstrate the ability to develop an artefact that aims at raising cybersecurity awareness

Judgement and approach
- demonstrate the ability to suggest design solutions aimed at raising cybersecurity awareness
- demonstrate the ability to defend design choices

Contents

The course starts with an overview of cybersecurity from a socio-technical perspective and outlines essential concepts, definitions and standards in the area. This is followed by an introduction to models that describe user behaviour in cybersecurity and how we can help people raise their cybersecurity awareness. By doing so, the course also outlines how organisational governance and the user's social environment contribute to cybersecurity culture and cybersecurity awareness.

The course also presents and problematises relevant research in the area in order to lay the foundation for the assignment that targets the design of an awareness-raising activity.

The course includes the following elements:
- Overview of the cybersecurity area: Focus on definitions, concepts, and terminology

- Cybersecurity in a socio-technical context
- Overview of models that describe cybersecurity behaviour
- Overview of activities that can raise cybersecurity awareness
- A project exploring the design of cybersecurity awareness-raising activities

Type of instruction

The teaching in the course consists mainly of lectures, project, tutoring, and seminars

The teaching is conducted in English.

Prerequisites

General entry requirements and passed courses 60 credits in first-cycle. Proof of English proficiency is required.

Examination and grades

The course is graded Fail (U) or Pass (G).

Registration of examination:

Name of the Test	Value	Grading
Project	10 credits	U/G

Course literature

The literature list for the course will be provided eight weeks before the course starts.

Articles which will be announced at the start of the course.