

## Program committee Information security meeting 16.09.2021

Attending: Nils Gruschka, Audun Jøvsang, Øivind Kure, Kathrine Hoel, Solveig Bruvoll, Håkon Svee Eriksson, Henrik Munthe-Kaas, Thomas Bertelsen

1. Minutes from last meeting accepted. The agenda was accepted with one change in the order of agenda points.
2. Report from UU:
  - Application numbers (Master I:SEC): > 400 applications, 78 received an offer, 40 accepted, 36 registered
  - Periodisk programevaluering: All bachelor programs have created their „self-evaluation“; next step: evaluation by an external committee; next year: evaluation of all master programs; more information: <https://www.uio.no/for-ansatte/arbeidsstotte/sta/kvalitetssystem/mn/kvalitetssikring-av-studieprogram/periodisk-programevaluering/index.html>
3. Future Technology:
  - The Future Technology initiative was presented. Øivind Kure is involved in the initiative and gave a short introduction. The background is an idea of a more decentralized university. Increased number of students and master programs at ITS. They are working on the details.
  - For the topic “Cyber Security”, the goal is to continue the collaboration with IFI and to strengthen the existing program “Information Security”. The program will increase the number of study places in the next years. New courses and a new specialization (“Industrial Security”) will be added by the “Future Technology” initiative.
4. Selection of external "programrådgiver"
  - The program still needs an external counsellor. If you know about someone that might be interested, ask them, and let Nils know if they are interested.
5. Teaching language of course "Security and Risk Management"
  - Master courses can be taught in Norwegian in exceptional cases (UU).
  - The course IN5080 has reasons for being taught in Norwegian: It is closely related to Norwegian laws, which are in Norwegian. The guest lectures concern a Norwegian perspective. The university is asked to educate people that can work with security in a Norwegian context. In the teacher’s opinion it would lose its relevance when taught in English.
  - Results of discussion:
    - i. Changing teaching language to Norwegian is OK
    - ii. 9000 clone will be dropped
    - iii. Course will be changed to a 4000 course with bachelor clone
    - iv. Course will still be a “core course” (and marked as “Norwegian only”)
    - v. Course will still be a recommended course for a specialization, but an English alternative will be offered (IN5130)
6. Changes in course portfolio
  - Resignation of course "Security by Design": The person teaching Security by Design has not renewed the contract. Noone else is available to teach it, and a resignation of the course is proposed. Security by Design has been a recommended course in

Secure Systems Development. It is proposed to be replaced with TEK5510 in the recommended courses.

- New course "Cyber Operations": A new course, "Cyber Operations" is proposed instead. It will be taught next spring, and students who had Security by Design in their study plan can replace it with this course. The teacher should be told to avoid overlap with existing courses, e.g., TEK5520.

7. No other issues.

## (Changed) Specializations

### Cryptography (unchanged)

4th semester	Master's thesis	Master's thesis	Master's thesis
3rd semester	Master's thesis	Master's thesis	Master's course
2nd semester	Master's thesis	Master's course	<a href="#">TEK5550 – Advanced Topics in Cryptology</a>
1st semester	<a href="#">TEK4500 – Introduction to Cryptography</a>	<a href="#">IN4210 – Network and Communications Security</a>	<a href="#">TEK5510 – Security in Operating Systems and Software</a>

### Cyber and Network Security

4th semester	Master's thesis	Master's thesis	Master's thesis
3rd semester	Master's thesis	Master's thesis	Master's course
2nd semester	Master's thesis	Master's course	IN4xxx – Cyber Operations
1st semester	<a href="#">IN4210 – Network and Communications Security</a>	<a href="#">TEK5510 – Security in Operating Systems and Software</a>	<a href="#">IN5290 – Ethical Hacking</a>

## Secure Systems Development

4th semester	Master's thesis	Master's thesis	Master's thesis
3rd semester	Master's thesis	Master's thesis	<a href="#">IN5140 – Smart processes and agile methods in software engineering</a>
2nd semester	Master's thesis	Master's course	Master's course
1st semester	<a href="#">IN5290 – Ethical Hacking</a>	<a href="#">IN5540 – Privacy by Design</a>	<a href="#">TEK5510 – Security in Operating Systems and Software</a>

## Information Security Management

4th semester	Master's thesis	Master's thesis	Master's thesis
3rd semester	Master's thesis	Master's thesis	Master's course
2nd semester	Master's thesis	<a href="#">IN4xxx – Sikkerhets- og risikostyring (Norwegian)</a>	<a href="#">IN5431 – IT and Management</a>
		<a href="#">IN5130 – Unassailable IT-systems (English)</a>	
1st semester	Master's course	Master's course	<a href="#">IN5540 – Privacy by Design</a>