Supplementary Course (EVA) at ZHAW School of Engineering

Title: Information Security Seminar
Short Code: rEVA_InfoSecSeminar

ECTS Credits	3
Profile	Computer Science (CS)
Responsible Institute /Centre	Institute of Applied Information Technology (InIT)
Responsible lecturer and contact informtion	Dr. Stephan Neuhaus, neut@zhaw.ch
Type and duration of examinations	Talk (20 min., typically within the information security group at InIT) & paper (4 pages, 2-column IEEE format). The paper comprises problem, methods, results, and conclusion.
Start date and duration	Semester: Autumn Detail: First week of autumn semester
Location	Winterthur
Course type	• We read and discuss original papers on security • There are classroom and lab sessions where we talk about how to find papers of good quality • You will be assigned a field in security with the task of finding, reading, and summarizing relevant papers • There are regular colloquia with all participants • There is a final presentation session where participants give talks on their topic • Contact hours: 16 (hrs): lessons in class, feedback for paper and presentation etc • Guided self-study: 32 (hrs): finding papers, discussing papers • Independent self-study: 42 (hrs): finding and reading papers, writing own paper, preparing presentation
Language of instruction	English
Short description (max. 300 characters)	We learn how to find relevant papers in the area of information security, both classics and recent advances. You can bring in own research interests. The InfoSec Seminar is intended to foster the scientific practices of scholarly reading and writing using exciting objects of study.
Contents and Learning Objectives	• You will have made a deep dive into a sub field (possibly of your choice) of information security • You can do scholarly literature research

Supplementary Course (EVA) at ZHAW School of Engineering

<table>
<tr><td></td><td>• You can read, understand, and assess papers

• You are able to communicate your findings in the academic ways of an oral talk and a written paper</td><td colspan="4"></td></tr>
<tr><td>Prerequisites</td><td colspan="5">The module is intended for students with a specialization in information security. Therefore, students should have knowledge of at least basis IT security topics (cryptography, network security, optionally software & system security).</td></tr>
<tr><td>Literature</td><td colspan="5">Initial papers will be provided but you can bring your own.</td></tr>
<tr><td>Special requirements</td><td colspan="5">-</td></tr>
<tr><td>Offer for profiles</td><td>Aviation (Avi)</td><td>☐</td><td>Business Engineering (BE)</td><td>☐</td></tr>
<tr><td></td><td>Computer Science (CS)</td><td>☒</td><td>Data Science (DS)</td><td>☐</td></tr>
<tr><td></td><td>Electrical Engineering (ElE)</td><td>☐</td><td>Energy & Environment (EnEn)</td><td>☐</td></tr>
<tr><td></td><td>Mechanical Engineering (ME)</td><td>☐</td><td>Mechatronics & Automation (MA)</td><td>☐</td></tr>
<tr><td></td><td>Medical Engineering (Med)</td><td>☐</td><td>Photonics and Laser Engineering (Pho)</td><td>☐</td></tr>
<tr><td></td><td>Information and Cyber Security (ICS)</td><td>☒</td><td>Civil Engineering (CE)</td><td>☐</td></tr>
</table>