

## 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 information	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: Spring Detail: First week of Spring semester
Location	Winterthur
Course type	<ul style="list-style-type: none"> <li>• We read and discuss original papers on security</li> <li>• There are classroom and lab sessions where we talk about how to find papers of good quality</li> <li>• You will be assigned a field in security with the task of finding, reading, and summarizing relevant papers</li> <li>• There are regular colloquia with all participants</li> <li>• There is a final presentation session where participants give talks on their topic</li> <li>• Contact hours: 16 (hrs): lessons in class, feedback for paper and presentation etc</li> <li>• Guided self-study: 32 (hrs): finding papers, discussing papers</li> <li>• Independent self-study: 42 (hrs): finding and reading papers, writing own paper, preparing presentation</li> </ul>
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	<ul style="list-style-type: none"> <li>• You will have made a deep dive into a sub field (possibly of your choice) of information security</li> <li>• You can do scholarly literature research</li> </ul>

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	<ul style="list-style-type: none"> <li>You can read, understand, and assess papers</li> <li>You are able to communicate your findings in the academic ways of an oral talk and a written paper</li> </ul>			
Prerequisites	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).			
Literature	Initial papers will be provided but you can bring your own.			
Special requirements	-			
Offer for profiles	Aviation (Avi)	<input type="checkbox"/>	Business Engineering (BE)	<input type="checkbox"/>
	Computer Science (CS)	<input checked="" type="checkbox"/>	Data Science (DS)	<input type="checkbox"/>
	Electrical Engineering (EIE)	<input type="checkbox"/>	Energy & Environment (EnEn)	<input type="checkbox"/>
	Mechanical Engineering (ME)	<input type="checkbox"/>	Mechatronics & Automation (MA)	<input type="checkbox"/>
	Medical Engineering (Med)	<input type="checkbox"/>	Photonics and Laser Engineering (Pho)	<input type="checkbox"/>
	Information and Cyber Security (ICS)	<input checked="" type="checkbox"/>	Civil Engineering (CE)	<input type="checkbox"/>