ECE574: Practice of Information Security and Privacy

Course Dates

CRN(s):	Section A01 CRN: 20988
	Section A02 CRN: 20989
Term:	2024
Course Start:	2024-01-08
Course End:	2024-04-26
Withdrawal with 100% reduction of tuition fees:	2024-01-21
Withdrawal with 50% reduction of tuition fees:	2024-02-11
Last day for withdrawal (no fees returned):	2024-02-29

Cross-listed With

Cross-Listed Course(s): SENG460

Scheduled Meeting Times (M=Mon, T=Tue, W=Wed, R=Thu, F=Fri)

Section:	Location:	Classes Start:	Classes End:	Days of week:	Hours of day:	Instructor:
A01	ECS 116	2024-01-08	2024-04-08	W	18:30-21:20	Rob Witcher
A02	ECS 116	2024-01-08	2024-04-08	W	18:30-21:20	Rob Witcher

Instructor(s)

Name: Rob Witcher

Office:

Phone:

Email: rob at destcert dot com

Course Objectives

This course is designed to familiarize students with key security concepts and principles. The course will reinforce ideas through examples and case studies. Students will understand the importance of information security and privacy and balancing the needs for security with usability.

Learning Outcomes

- Students will learn the common language of information security domains
- Students will understand information security requirements and implementation in a corporate environment
- Students will be able to apply information security theories, models and techniques in solving practical information security problems

Syllabus

Topics include security and risk management, asset security, security architecture, communication and network security, security assessment and testing, identity and access management, security operations, software development security, and privacy. Also introduces information security-related certification and relevant professional associations.

Textbooks

Access will be provided to the my.destcert.com online learning system, which includes excerpts from the book Destination CISSP: A Concise Guide

Assessment

Assessment Tool	Weight	Date
Quizzes	20%	Due Dates: Jan 24, Mar 6, Mar 27
Mid-term	20%	Feb 7
Project	20%	Mar 13
Final Exam	40%	TBD

Notes

The final grade obtained from the above marking scheme for the purpose of GPA calculation will be based on the percentage-to-grade point conversion table as listed in the current Graduate Calendar. https://www.uvic.ca/calendar/archives/202401/grad/index.php#/policy/B13jeiMdE?bc=true&bcCurrent=07%20-%20Grading&bcItemType=policies

Coursework Mark Appeals: All marks must be appealed within 7 days of the mark being posted.

General Information

Note to Students: Students who have issues with the conduct of the course should discuss them with the instructor first. If these discussions do not resolve the issue, then students should feel free to contact the Chair of the Department by email or the Chair's Secretary to set up an appointment.

Accommodation of Religious Observance: https://www.uvic.ca/calendar/archives/202401/grad/index.php#/policy/SkmigiMOV?bc=true&bcCurrent=17%20-%20Accommodation%20of%20Religious%20Observance&bcItemType=policies

Policy on Inclusivity and Diversity: Engineering: https://www.uvic.ca/ecs/info-for/diversity-and-inclusion- supports/index.php#ipn-within-our-faculty Academic Calendar: https://www.uvic.ca/calendar/archives/202401/grad/index.php#/policy/HkQ0pzdAN?bc=true&bcCurrent=General%20University%20Policies&bcItemType=policies

Standards of Professional Behaviour: You are advised to read the Faculty of Engineering and Copmuter Science document Standards for Professional Behaviour, which contains important information regarding conduct in courses, labs, and in the general use of facilities. https://www.uvic.ca/ecs/_assets/docs/student-forms/professional-behaviour.pdf

Academic Integrity: Cheating, plagiarism and other forms of academic fraud are taken very seriously by both the University and the Department. You should consult the entry in the current Graduate Calendar for the UVic policy on academic integrity. https://www.uvic.ca/calendar/archives/202401/grad/index.php#/policy/BJujesM_E?bc=true&bcCurrent=02%20-%20Policy%20on%20Academic%20integrity&bcItemType=policies

Equality: This course aims to provide equal opportunities and access for all students to enjoy the benefits and privileges of the class and its curriculum and to meet the syllabus requirements. Reasonable and appropriate accommodation will be made available to students with documented disabilities (physical, mental, learning) in order to give them the opportunity to successfully meet the essential requirements of the course. The accommodation will not alter academic standards or learning outcomes, although the student may be allowed to demonstrate knowledge and skills in a different way. It is not necessary for you to reveal your disability and/or confidential medical information to the course instructor. If you believe that you may require accommodation, the course instructor can provide you with information about confidential resources on campus that can assist you in arranging for appropriate accommodation. Alternatively, you may want to contact the Centre for Accessible Learning located in the Campus Services Building: https://www.uvic.ca/accessible-learning/index.php. The University of Victoria is committed to promoting, providing, and protecting a positive, and supportive and safe learning and working environment for all its members.

Course Lecture Notes: Unless otherwise noted, all course materials supplied to students in this course have been prepared by the instructor and are intended for use in this course only. These materials are NOT to be re-circulated digitally, whether by email or by uploading or copying to websites, or to others not enrolled in this course. Violation of this policy may in some cases constitute a breach of academic integrity as defined in the UVic Calendar.

Sexualized Violence Prevention and Response at UVic: UVic takes sexualized violence seriously, and has raised the bar for what is considered acceptable behaviour. We encourage students to learn more about how the university defines sexualized violence and its overall approach by visiting www.uvic.ca/svp. If you or someone you know has been

impacted by sexualized violence and needs information, advice, and/or support, please contact the sexualized violence resource office in Equity and Human Rights (EQHR). Whether or not you have been directly impacted, if you want to take part in the important prevention work taking place on campus, you can also reach out:

Where: Sexualized violence resource office in EQHR; Sedgewick C119 Phone: 250.721.8021 Email: svpcoordinator@uvic.ca Web: www.uvic.ca/svp

Office of the Ombudsperson: The Office of the Ombudsperson is an independent and impartial resource to assist with the fair resolution of student issues. A confidential consultation can help you understand your rights and responsibilities.
The Ombudsperson can also clarify information, help navigate procedures, assist with problem-solving, facilitate communication, provide feedback on an appeal, investigate and make recommendations.
Phone: 250-721-8357; Email: ombuddy@uvic.ca; Website: https://uvicombudsperson.ca