UNSW Course Outline

ZZCA9202 Data Security and Privacy - 2024

Published on the 14 Oct 2024

General Course Information

Course Code : ZZCA9202
Year : 2024
Term : Hexamester 6
Teaching Period : KV
Is a multi-term course? : No
Faculty : UNSW Canberra
Academic Unit : Canberra School of Professional Studies
Delivery Mode : Online
Delivery Format : Standard
Delivery Location : UNSW Canberra City
Campus : Canberra City
Study Level : Postgraduate
Units of Credit : 6

Useful Links

Handbook Class Timetable

Course Details & Outcomes

Course Description

Security and privacy are related but distinct concepts; they are also some of the defining terms of the 21st century. This course equips student for handling data in secure ways, understanding the nature and principles of privacy, and how to securely identify manage and respond to privacy

risks across large datasets and apply current best practice in a changing global environment.

Course Aims

This course equips students for handling data in secure ways, understanding the nature and principles of privacy, and how to securely identify manage and respond to privacy risks across large datasets and apply current best practice in a changing global environment.

Course Learning Outcomes

Course Learning Outcomes
CLO1 : Demonstrate a critical understanding the nature and principles of privacy, and of the potential costs, benefits, and risks under societal, commercial, individual and governmental perspectives.
CLO2 : Apply data security and privacy principles in security engineering design of software, systems, and policies.
CLO3 : Analyse the privacy implications of systems and processes.
CLO4 : Explain historic data security and privacy failures and their causes and consequences.
CLO5 : Apply national and international legislation, ethical standards, and professional best practice to organisational practice and personal professional practice.

Course Learning Outcomes	Assessment Item
CLO1 : Demonstrate a critical understanding the nature and principles of privacy, and of the potential costs, benefits, and risks under societal, commercial, individual and governmental perspectives.	• Essay
CLO2 : Apply data security and privacy principles in security engineering design of software, systems, and policies.	• Laboratory Exercises
CLO3 : Analyse the privacy implications of systems and processes.	• Case study report • Laboratory Exercises
CLO4 : Explain historic data security and privacy failures and their causes and consequences.	• Case study report • Essay
CLO5 : Apply national and international legislation, ethical standards, and professional best practice to organisational practice and personal professional practice.	• Case study report

Learning and Teaching Technologies

Moodle - Learning Management System | Blackboard Collaborate | Skillable

Learning and Teaching in this course

The Learning Management System

Moodle is the Learning Management System used at UNSW Canberra. All courses have a Moodle site which will become available to students at least one week before the start of semester. Please find all help and documentation (including Blackboard Collaborate) at the Moodle Support page.

If you need further assistance with Moodle:

For enrolment and login issues please contact:

IT Service Centre

Email: itservicecentre@unsw.edu.au

Phone: (02) 9385-1333

International: +61 2 9385 1333

For all other Moodle issues please contact:

External TELT Support

Email: externalteltsupport@unsw.edu.au

Phone: (02) 9385-3331

International: +61 2 938 53331

Opening hours:

Monday – Friday 7:30am – 9:30 pm

Saturday & Sunday 8:30 am – 4:30pm

Assessments

Assessment Structure

Assessment Item	Weight	Relevant Dates
Case study report Assessment Format: Individual	20%	Due Date: Week 3, Monday 4 Nov, 11:59pm
Laboratory Exercises Assessment Format: Individual	40%	Due Date: Week 5 Monday 18 Nov, 11:59pm
Essay Assessment Format: Individual	40%	Due Date: Week 7, Monday 2 Dec, 11:59pm

Assessment Details

Case study report

Assessment Overview

In this assessment you will complete a case study report on a historic, international data security/privacy incident.

Course Learning Outcomes

- CLO3 : Analyse the privacy implications of systems and processes.
- CLO4 : Explain historic data security and privacy failures and their causes and consequences.
- CLO5 : Apply national and international legislation, ethical standards, and professional best practice to organisational practice and personal professional practice.

Assessment information

Assessment details are being finalised for publishing; enrolled students please refer to the course Moodle site for current details.

Assignment submission Turnitin type

This assignment is submitted through Turnitin and students can see Turnitin similarity reports.

Generative AI Permission Level

Planning/Design Assistance

You are permitted to use generative AI tools, software or services to generate initial ideas, structures, or outlines. However, you must develop or edit those ideas to such a significant extent that what is submitted is your own work, i.e., what is generated by the tool, software or service should not be a part of your final submission. You should keep copies of your iterations to show your Course Authority if there is any uncertainty about the originality of your work.

If your Convenor has concerns that your answer contains passages of AI-generated text or media

that have not been sufficiently modified you may be asked to explain your work, but we recognise that you are permitted to use AI generated text and media as a starting point and some traces may remain. If you are unable to satisfactorily demonstrate your understanding of your submission you may be referred to UNSW Conduct & Integrity Office for investigation for academic misconduct and possible penalties.

For more information on Generative AI and permitted use please see here.

Laboratory Exercises

Assessment Overview

Labs are designed to give you hands-on, practical experience. It's one thing to hear about the process, and another to try it. We are aiming to provide a safe zone for experimentation. Then answering a series of short form questions relating to each lab.

Course Learning Outcomes

- CLO2 : Apply data security and privacy principles in security engineering design of software, systems, and policies.
- CLO3 : Analyse the privacy implications of systems and processes.

Assessment information

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academic misconduct and possible penalties.

For more information on Generative AI and permitted use please see [here](#).

Essay

Assessment Overview

In this assessment you will write an academic essay on one of a selection of historic data breaches.

Course Learning Outcomes

- CLO1 : Demonstrate a critical understanding the nature and principles of privacy, and of the potential costs, benefits, and risks under societal, commercial, individual and governmental perspectives.
- CLO4 : Explain historic data security and privacy failures and their causes and consequences.

Assessment information

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Assignment submission Turnitin type

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General Assessment Information

<u>Grading Basis</u>

Standard

Course Schedule

Teaching Week/Module	Activity Type	Content
Week 0 : 14 October - 20 October	Online Activity	Introduction to the unit.
Week 1 : 21 October - 27 October	Online Activity	Data & data security
Week 2 : 28 October - 3 November	Online Activity	Privacy fundamentals
Week 3 : 4 November - 10 November	Module	Data Security failures, incident response and compliance
Week 4 : 11 November - 17 November	Online Activity	Introduction to cryptography and biometrics
Week 5 : 18 November - 24 November	Online Activity	Open source intelligence and privacy enhancing technologies
Week 6 : 25 November - 1 December	Online Activity	Future trends and emerging technologies

Attendance Requirements

Not Applicable - as no class attendance is required

Course Resources

Prescribed Resources

All resources required to complete this course are available via Moodle.

Recommended Resources

Student have access to a number of additional support resources.

Please check your Moodle page for additional readings and advice relevant to the course.

Course Evaluation and Development

Evaluation and Development

Toward the end of the hexamester you will be asked to give feedback about the course, via UNSW's MyExperience survey. Your feedback will be used, along with feedback from other stakeholders, to help improve the course. You can also contact your Course Convenor any time you have suggestions or other feedback.

Important note: Students are reminded that any feedback provided should be constructive and professional and that they are bound by the Student Code of Conduct Policy: https://www.gs.unsw.edu.au/policy/documents/studentcodepolicy.pdf

Quality Assurance

UNSW actively monitors student learning and quality of the student experience in its programs. A random selection of completed assessment tasks may be used for quality assurance, such as determining the extent to which program learning goals are being achieved. The information is required for accreditation purposes, and aggregated findings will be used to inform changes aimed at improving the quality of programs. All material used for such processes will be treated as confidential.

Staff Details

Position	Name	Email	Location	Phone	Availability	Equitable Learning Services Contact	Primary Contact
	Fida Hasan					No	Yes
	Fida Hasan					No	No
	Fida Hasan					No	No