



COURSE OUTLINE

2025/2026

COURSE NAME: Cybersecurity Standards & Regulations

COURSE CODE: CYBR3000

COURSE DESCRIPTION

The security of information and infrastructure is increasingly critical to any organization. Awareness of governing legislation, standards, and best practices ensure that security professionals can meet the expectations and requirements of their organization and environment. Classes will cover current standards and regulations before discussing and conducting security audits and compliance assessments.

Course Credits: 3.00

LEARNING OUTCOMES

OUTCOME	Upon successful completion of this course, you will be able to
1	<p>Apply industry standards to information security.</p> <p>The following concepts, skills, and issues are used to support this Outcome:</p> <ul style="list-style-type: none">• Understand the relationship between privacy and cybersecurity• Learn common principles and standards in privacy and cybersecurity and be able to identify their commonalities and differences• Apply Privacy by Design Principles and cybersecurity principles• Understand the application of privacy and security governance frameworks
2	<p>Apply legislation and regulations to information security.</p> <p>The following concepts, skills, and issues are used to support this Outcome:</p> <ul style="list-style-type: none">• Understand basic legislative requirements for privacy locally, nationally and internationally• Apply privacy legislation to information security planning for an organization• Investigate and respond to a privacy incident
3	<p>Prepare and perform a security audit.</p> <p>The following concepts, skills, and issues are used to support this Outcome:</p> <ul style="list-style-type: none">• Understand the value of an audit to an organization and why and audit may be required• Differentiate between a security and privacy audit• Prepare for a privacy audit and a security audit and know the key differences and similarities between each

4	<p>Conduct security compliance assessments.</p> <p>The following concepts, skills, and issues are used to support this Outcome:</p> <ul style="list-style-type: none"> Understand what a compliance assessment is and identify the common components of a compliance assessment Identify when a compliance assessment may be required or beneficial to an organization Differentiate between common compliance assessment programs used locally, nationally and internationally
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STUDENT EVALUATION

OUTCOME	ACTIVITY DESCRIPTION	MARK DISTRIBUTION
1, 2, 3 and 4	Discussion Forum Contribution	5%
1, 2, 3 and 4	5 Minute Essay	5%
1	Smart Cities case study	20%
3	Security audit presentation	20%
2	Breach case study	25%
3 and 4	Compliance assessment	25%
TOTAL		100%

COURSE COMPLETION REQUIREMENTS

No less than 50%.

STUDENT RESPONSIBILITY

It is expected that students will be responsible citizens of the Institute by following the Student Rights and Responsibilities Policy(SR 1.0). As such, each student will assist in the preservation of Institute property, and assume responsibility for their education by staying informed of and abiding by academic requirements and policies; demonstrating respect toward others; and meet expectations concerning attendance, assignments, deadlines, and appointments.

EQUITY AND INCLUSION STATEMENT

NAIT is committed to advancing equity and to actively and intentionally creating learning environments that promote a sense of belonging and dignity that ensure all people are safe, respected and valued. Acknowledging that every member of the NAIT community has a role in and responsibility to this work, NAIT provides the resources and support necessary for programs, departments and individuals to champion equity, diversity and inclusion and address barriers in meaningful ways.

TERRITORIAL ACKNOWLEDGEMENT

At NAIT, we honour and acknowledge that the land on which we learn, work and live is Treaty Six territory. We seek to learn from history and the lessons that have come before us, and to draw on the wisdom of the First Peoples in Canada. Only through learning can we move forward in truth and reconciliation, and to a better future together.

Leadership Review Date: May 17, 2021

Changes to This Course Outline: Every effort has been made to ensure that information in this course outline is accurate at the time of publication. The Institute reserves the right to change courses if it becomes necessary so that course content remains relevant. In such cases, the instructor will give the students clear and timely notice of the changes.

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