COURSE OUTLINE: CYB203 - IT SECURITY: E&L ISS

Prepared: IT Studies

Approved: Corey Meunier, Dean, Technology, Trades, and Apprenticeship

Course Code: Title	CYB203: IT SECURITY: ETHICAL AND LEGAL ISSUES
Program Number: Name	2198: CYBERSECURITY 5911: CYBERSECURITY
Department:	PPP triOS
Academic Year:	2023-2024
Course Description:	In the course, students will learn about the legal and regulatory environment in Canada as it relates to IT security. The course will touch on regulations in multiple provinces but will focus primarily on the regulations in the province of Ontario. Ethical considerations will be viewed through a Canadian bias, as topics such as privacy, consent to use information and ethical hacking are discussed.
Total Credits:	4
Hours/Week:	4
Total Hours:	56
Prerequisites:	There are no pre-requisites for this course.
Corequisites:	There are no co-requisites for this course.
Vocational Learning Outcomes (VLO's) addressed in this course: **Please refer to program web page for a complete listing of program outcomes where applicable.**	**2198 - CYBERSECURITY** VLO 3 Recommend processes and procedures for maintenance and deployment of cyber security VLO 5 Comply with existing industry policies, regulations, and ethics for information systems and information technology security solutions to ensure industry expectations and standards are met or exceeded VLO 6 Analyze security risks to organizations and business processes to mitigate risk in compliance with industry standards **5911 - CYBERSECURITY** VLO 3 Recommend processes and procedures for maintenance and deployment of cyber security solutions. VLO 5 Comply with existing industry policies, regulations, and ethics for information systems and information technology security solutions to ensure industry expectations and standards are met or exceeded. VLO 6 Analyze security risks to organizations and business processes to mitigate risk in compliance with industry standards.
Essential Employability Skills (EES) addressed in this course:	EES 1 Communicate clearly, concisely and correctly in the written, spoken, and visual form that fulfills the purpose and meets the needs of the audience. EES 2 Respond to written, spoken, or visual messages in a manner that ensures effective

	communication.
	EES 4 Apply a systematic approach to solve problems.
	EES 5 Use a variety of thinking skills to anticipate and solve problems.
	EES 6 Locate, select, organize, and document information using appropriate technology and information systems.
	EES 7 Analyze, evaluate, and apply relevant information from a variety of sources.
	EES 8 Show respect for the diverse opinions, values, belief systems, and contributions of others.
	EES 9 Interact with others in groups or teams that contribute to effective working relationships and the achievement of goals.
Course Evaluation:	Passing Grade: 50%, D A minimum program GPA of 2.0 or higher where program specific standards exist is required for graduation.
Other Course Evaluation & Assessment Requirements:	A+ = 90-100% A = 80-89% B = 70-79% C = 60-69% D = 50-59% F < 50% Students are expected to be present to write all tests in class, unless otherwise specified. If a student is unable to write a test due to illness or a legitimate emergency, that student must contact the professor prior to class and provide reasoning. Should the student fail to contact the professor, the student shall receive a grade of zero on the test. If a student is not present 10 minutes after the test begins, the student will be considered absent and will not be given the privilege of writing the test. Students exhibiting academic dishonesty during a test will receive an automatic zero. Please refer to the College Academic Dishonesty Policy for further information. In order to qualify to write a missed test, the student shall have: a.) attended at least 75% of the classes to-date. b.) provide the professor an acceptable explanation for his/her absence. c.) be granted permission by the professor. NOTE: The missed test that has met the above criteria will be an end-of-semester test. Labs / assignments are due on the due-date indicated by the professor. Notice by the professor will be written on the labs / assignments and verbally announced in the class. Labs and assignments that are deemed late will have the following penalty: 1 day late - 10% reduction, 2 days late, 20% reduction, 3 days late, 30% reduction. After 3 days, no late assignments and labs will be accepted. It is the responsibility of the student who has missed a class to contact the professor immediately to obtain the lab / assignment. Students are responsible for doing their own work. Labs / assignments that are handed in and are deemed identical or near identical in content may constitute academic dishonesty and result in a zero grade. Students are expected to be present to write in-classroom quizzes. There are no make-up options for missed in-class quizzes. Students have the right to learn in an environment that is distraction-free, therefore, everyone is

expected to arrive on-time in class. Should lectures become distracted due to students walking in late, the professor may deny entry until the 1st break period, which is 50 minutes into the class or until that component of the lecture is complete.

The total overall average of test scores combined must be 50% or higher in order to qualify to pass this course. In addition, combined tests, Labs / Assignments total grade must be 50% or higher.

Books and Required Resources:

Ethics in Information Technology by G. K. Awari, Sarvesh V. Warjurkar
Publisher: CRC Press Edition: 1st
ISBN: 9781032163796

Course Outcomes and Learning Objectives:

Course Outcome 1	Learning Objectives for Course Outcome 1
Analyze ethical considerations in the Canadian IT context.	1.1 Review ethics as it pertains to IT in the context of corporate social responsibility, decision-making, and ongoing improvements. 1.2 Exemplify best practices when it comes to IT worker professionalism and ethical use of IT resources. 1.3 Explain the ethical considerations IT organizations must consider when it comes to outsourcing, whistle-blowing, and green computing.
Course Outcome 2	**Learning Objectives for Course Outcome 2**
Assess the importance of understanding privacy laws and regulations and the ethical issues that arise in business applications of social media.	2.1 Explain the basic concepts of privacy protection. 2.2 Interpret privacy laws in the context of specific scenarios. 2.3 Illustrate key privacy and anonymity issues. 2.4 Examine social networking issues and how they relate to privacy laws and regulations.
Course Outcome 3	**Learning Objectives for Course Outcome 3**
Review the regulatory and ethical implications of consent in various scenarios and how it differs in different regions.	3.1 Classify the various privacy acts and how they factor into cybersecurity best practices. 3.2 Explore scenarios where hackers penetrate systems without consent of their owners. 3.3 Examine situations where intellectual property is misappropriated and discuss ethical resolutions.
Course Outcome 4	**Learning Objectives for Course Outcome 4**
Critique the context for ethical hacking and review the ethical limitations.	4.1 Define ethical hacking. 4.2 Explain the role of ethical hacking in cybersecurity. 4.3 Assess the context and value of ethical hacking in testing system threats, attacks, and vulnerabilities.
Course Outcome 5	**Learning Objectives for Course Outcome 5**
Evaluate the legal and regulatory environment in IT, as it applies to Canada and Ontario.	5.1 Outline the various laws and regulations-specific to Canada and Ontario-as they pertain to the protection of data, personal information, and privacy.

Evaluation Process and

Evaluation Type	Evaluation Weight

Grading System:		
	Assignments and Quizzes	40%
	Test #1	30%
	Test #2	30%

Date:	July 5, 2023
Addendum:	Please refer to the course outline addendum on the Learning Management System for further information.