



NAIT CMPE2550 Course Syllabus

School of Applied Sciences and Technology * Academic Year 2025/2026

Course and Instructor Info

Course Name:	Web Applications
Course Code:	CMPE2550
Semester (start and end date):	January 08, 2026 to April 24, 2026
Class times and Room Number:	Per Student Schedule
Instructor Name:	Shane Kelemen
Instructor Office Number:	W309
Contact (phone and e-mail)	shanek@nait.ca – email or MS Teams
Web Page (if available)	Brightspace
Office hours:	By Appointment Only

Course Evaluation

Type of Evaluation	Number	Weight	Notes
Lab Exams	5	70%	Time-constrained programming activities, focusing on specific concepts
Assignments	11	10%	Programming activities encompassing a few concepts
Labs	4	20%	Programming activities synthesizing a few assignments

Course Schedule

Week	New Content / Assessments	Labs	Assignments
1	Full Stack Web Application Intro Verify Server Account Access Introduction to PHP		ICA 01 – Out
2	PHP Sessions AJAX Requests in PHP		ICA 01 – Due ICA 02 – Out
3	Introduction to MySQL and phpMyAdmin PHP / MySQL Data Retrieval	Lab 01 – Out	ICA 02 – Due ICA 03 – Out
4	PHP / MySQL Data DUI		ICA 03 – Due ICA 04 – Out
5	Exam 1 – PHP		ICA 04 – Due ICA 05 – Out
6	Authentication / Authorization	Lab 01 – Due Lab 02 – Out	ICA 05 – Due
7	READING WEEK (NO CLASSES)		
8	Exam 2 – PHP / MySQL Data Retrieval ASP Core Intro – Web Service		ICA 06 – Out
9	REST in PHP Minimal Web API	Lab 02 – Due Lab 03 – Out	ICA 06 – Due ICA 07 – Out
10	Exam 3 – PHP / MySQL Data Manipulation		ICA 07 – Due
11	ASP – REST Web Service ASP – ADO Retrieval LINQ queries		ICA 08 – Out
12	ASP – ADO DUI	Lab 03 – Due Lab 04 – Out	ICA 08 – Due ICA 09 – Out
13	ASP – Entity Framework Retrieval		ICA 09 – Due ICA 10 – Out
14	ASP – Entity Framework DUI		ICA 10 – Due ICA 11 – Out
15	Exam 4 – ASP / ADO DB Operations		ICA 11 – Due
16	Exam 5 – ASP / Entity Framework DB Operations	Lab 04 – Due	

NOTE: Course schedule is subject to change

Course Policies

Instructor Class Policy:

Students who are absent for assignments, quizzes, or exams will receive a grade of zero for the missed work. In the event of uncontrollable circumstances, please email the instructor before the due date (or as soon as possible) to request an exception. Exceptions are normally only considered for medical emergencies.

Food is NOT permitted in the classroom. Water is acceptable in sealable containers – please use care around the computer equipment.

Please silence phones and take any unavoidable calls outside of class.

Attendance Expectations:

Promptness and attendance are known to contribute to success in this course. Attendance will be monitored. Please minimize any disruption to the class if you arrive late.

Please see the IST Student Handbook, NAIT's Academic Procedures and Regulations and NAIT's Student Rights and Responsibilities for further clarification.

Student Conduct Expectations:

Students are responsible to read and comply with program specific expectations concerning attendance, assignments, deadlines, and appointments.

Please see the IST Student Handbook, NAIT's Academic Procedures and Regulations and NAIT's Student Rights and Responsibilities for further clarification.

Student Preparedness Expectations:

Please see the IST Student Handbook, NAIT's Academic Procedures and Regulations and NAIT's Student Rights and Responsibilities for further clarification.

Additional NAIT Specific Information:

Please see the NAIT Academic Procedures and Regulations for further clarification at

[http://www.nait.ca/docs/academic_regulations\(1\).pdf](http://www.nait.ca/docs/academic_regulations(1).pdf)

Along with Student Rights and Responsibilities Policy for further clarification at

<http://www.nait.ca/ViewPoliciesAndProcedures.htm>

Use of AI tools, including CoPilot: For all assessments (assignments, labs, exams) in this course, the use of any Generative Artificial Intelligence (AI) tools is not permitted. The assessments are intended to measure each student's ability to generate their own work. Your unique comprehension and interpretation of the course content must be demonstrated in order to be successful. Using prohibited resources will be considered academic misconduct and be addressed following **SR 1.3 Academic Integrity Procedure.pdf**. These tools must not be installed on lab computers. If a student chooses to use these tools at home, they must be used for learning purposes only.

Exam Information:

Exams will occur in a controlled environment. The Internet, phones, notes, etc. will NOT be permitted. Personal items must be left at the front of the exam room. Check with the instructor for another permitted resources instead of assuming anything.