

INFT 3075 Emerging Technologies

TENTATIVE WORK PLAN

FACULTY INFORMATION

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Campus Institute of Technology
Office Location D309
Availability By Appointment

Academic Chair:
Michael Purcell
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Administrative Assistant:
Katherine Osborne
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TEXTBOOK / RESOURCE REQUIREMENTS

Not Applicable

SUPPLIES / ADDITIONAL RESOURCES

Not Applicable.

ACCREDITATION / EXTERNAL CERTIFICATION

Not Applicable.

ASSESSMENT AND EVALUATION METHODS

A variety of informal and formal methods may be used for assessing and evaluating your learning, including but not limited to:

- Assignments
- Projects
- Presentations

Evaluation Scheme:

Assignments 4 @ 16.25% each	65%
In-class exercises	35%
Total.....	100%

Feedback and grading will be provided on the course Brightspace website.

The pass mark for this course is **60%***

* Learners are required to successfully complete each course outcome (regardless of marks earned) in order to attain a passing grade in this course.

Late Submissions

Assessments and evaluations are to be handed in on or before the specified due date. Late submissions may not be accepted after assignments have been corrected and returned to other learners. Late assignments will incur a late penalty of 5 percent per calendar day off the assessed mark. Should you be unable to complete an evaluation, speak with your faculty before the due date about your options

Mandatory Code Review and In-class Marking

Late assignments that are normally evaluated in class will be subject to the same 5 percent per day penalty, based on the date the assignment was submitted to your instructor. In the case of an assignment that is submitted electronically after class, the timestamp of the submission is used to calculate the late penalty. The assignment will be reviewed with the student at the next available time in class, or as specified by the instructor.

Every project or assignment involving code requires a mandatory code review — a practice that mirrors the professional Pull Request (PR) process. Assignments submitted without a review will not be assessed.

Example 1 (Assignment)

Student submits assignment five days after the due date but before the corrected assignment is returned. The student receives an 85% on the assignment, which is adjusted to 60% to reflect the late penalty.

Example 2 (Code Review/in-class marking)

Student submits assignment three days after in-class review due date. The student is evaluated on submitted work during the next available class. The student receives a 75% on the assignment, which is adjusted to 60% to reflect the late penalty.

Citations

Citations must be provided for any code, algorithm, text or image copied from another source (e.g. the Web, a textbook, an online tutorial, etc.). Not attributing appropriately (plagiarism) or using illegally copied materials (copyright breach) are serious academic offences. If you are in doubt as to when or how to cite, consult with your instructor and the resources provided by the college.

Use of Generative AI¹

In this course, generative AI tools are permitted under specific conditions. Students are encouraged to leverage these tools to enhance their learning and productivity. However, it is crucial to adhere to the following guidelines:

1. Proper Citation: Any content generated by AI tools must be appropriately cited. This includes text, code, or any other material. Students must indicate which parts of their work were created with the assistance of AI.
2. Full Understanding: Students must fully understand AI-generated content. This means they should be able to explain, defend, and demonstrate the AI-generated material when asked. The goal is to ensure that students are not merely copying content but are engaging with it critically and thoughtfully.
3. Ethical Use: The use of AI should align with ethical guidelines, including respecting copyright laws and avoiding plagiarism. Students should use AI as a tool to support their learning, not as a shortcut to bypass the educational process.
4. Assessment of AI Use:
 - a. Limit on AI Use: The use of generative AI in each assignment is limited to a maximum of 40%. This ensures that students contribute a significant portion of original work and engage deeply with the material.
 - b. Inadequate Use: Any part of an assignment where generative AI was used inadequately—such as failing to cite the AI-generated content or being unable to explain it—will be disregarded and marked as zero. This ensures that students are accountable for their work and maintain academic integrity.

¹ "Use of Generative AI." *Course Plan, generated with the assistance of Microsoft Copilot, 2024.*

Supplemental Evaluations

Students may be eligible to write supplemental evaluations however, not all courses are eligible for a course supplemental evaluation. Approval to exempt a course from eligibility for supplemental evaluation must be granted by the school Dean and the Director of Enrolment and Registrar. For more information speak with your faculty or Academic Chair.

Glitch Policy

Students are advised that it is their responsibility to ensure that they create backups of all their work. The rule in this class is, “**No Back Up = No Excuse**”. Students are also advised to be aware of where they store their work. This should use remote storage, such as cloud storage (e.g. OneDrive), online repositories (e.g. GitHub) and separate drives (e.g. Saved on a different hard drive). Excellent file and folder management will help avoid loss of work and time. In applicable courses, this also applies to virtual machines – it is your responsibility to always have a recent backup (GOLD copy) of your virtual machine(s).

COURSE LEARNING OUTCOMES:

1. Explore new and emerging technologies of interest and in the area of Information Technology to prepare for life-long learning in the field.
2. Explore and apply selected foundational theories to solve real-life information technology problems in their area of study.
3. Develop professional-level communication documents and training in emerging technologies.

TENTATIVE SCHEDULE

Because every learner is different, it is effective to align the pace, workload, and delivery strategy to strengths of the learners. In a creative learning environment, **you should expect some variations** from this tentative work plan as well as a variety of informal assessments throughout the course.

Week/Unit	Topics/Description	Relevant Learning Outcome (s)	Value/Evaluation/ Due Dates (if applicable)
Week 0 Jan 5-9	Course Introduction, Overview of Emerging Technologies	1	
Week 1 Jan 12-16	Introduction to React Native	1, 2	In-class exercises
Week 2 Jan 19-23	React Native Components and State Management	1, 2	In-class exercises
Week 3 Jan 26-30	Navigation and APIs in React Native	1,2,3	Assignment 1 (15%)
Week 4 Feb 2-6	Introduction to Next.js	1,2	In-class exercises
Week 5 Feb 9-13	Next.js Routing and Data Fetching	1,2	In-class exercises

Monday, February 16th - Heritage Day - College closed/no classes

Week/Unit	Topics/Description	Relevant Learning Outcome (s)	Value/Evaluation/ Due Dates (if applicable)
Week 6 Feb 16-20	Advanced Next.js Features	1,2,3	Assignment 2 (15%)
Wednesday, February 25th – Assessment & Evaluation Day – College Open/No Classes			
Week 7 Feb 23-27	Introduction to Generative AI and Hugging Face	1,2	In-class exercises
Week 8 Mar 2-6	Implementing Generative AI Models	1,2	In-class exercises
Week 9 Mar 9-13	Implementing Generative AI Models Group Project Introduction and Topic Selection	1,2,3	Assignment 3 (15%)
March 16 - 20, 2026 Study Week: College open/no classes			
Week 10 Mar 23-27	Project Development and Research	1,2,3	In-class exercises
Friday, April 3rd - Good Friday - College closed/no classes			
Week 11 Mar 30-Apr 3	Project Development and Research	1,2,3	In-class exercises
Monday, April 6th - Easter Monday - College closed/no classes			
Week 12 Apr 6-10	Project Presentations	1,2,3	Assignment 4 (20%)
Week 13 Apr 13-15	Project Presentations and Course Wrap-Up	1,2,3	Assignment 4 (20%)
Apr 15th – Term Ends			

ADDITIONAL INFORMATION

The keys to success in a fast-paced and applied program are being proactive and being present. To foster success, we have implemented the guidelines below to help keep you on-track in the program. It is important that if you are having difficulties, you have ongoing communication with your faculty.

Attendance and Late Assignments

1. NSCC is an applied learning environment and as such in-classroom participation is key to the learning process. Prompt and regular attendance is expected of all students and attendance records will be kept.
2. Responsibility for work missed due to absence rests with the student. Failure to complete program or course requirements stated at the outset of the course will result in a failing grade.
3. If a student misses a test or be late with an assignment they must coordinate with the faculty **prior** to the due date. A late assignment will be assessed a late penalty of 10% per day. Assignments submitted 4-7 days late will be marked out of 60% and after 7 days Brightspace submission will be closed and after that point an assignment can only be graded with the permission of the Academic Chair.
4. When academic difficulties are being experienced, it is the responsibility of the student to seek support through college and/or external resources.

Inclusion and Integrity of the Learning Environment

We strive to ensure that equity, inclusion and social justice is the reality for all students, faculty and staff. We commit to provide a safe and respectful working and learning environment where differences are valued, expected and honored. Within this environment, students are required to demonstrate the values of respect, academic integrity and honesty.

To support these goals, we have the following policies:

- Respectful Community
- Student Community Standards
- Employee Code of Conduct
- Sexual Violence
- Academic Integrity
- Academic Accommodations
- Educational Equity

For more information visit [Policy and Procedures](#)

Universal Design for Learning (UDL)

Extended time has been applied for timed evaluations in this course. If you are a student with an extended time accommodation and have questions about whether your accommodation is being upheld, please contact me and your Student Accessibility Specialist (SAS) as soon as possible. I will work with you and your SASs to ensure accommodation needs are met.

Appealing a Final Grade

NSCC is committed to a fair, transparent and timely approach to a student's right to challenge academic decisions and non-academic decisions that affect academic progress and standing.

If you feel your final grade is unreasonable, speak with your faculty or Academic Chair about your concerns. If the issue is not resolved, you may pursue a formal appeal. Speak with your Student Services Advisor for more information on the [Student Appeals Policy](#), procedures, and your eligibility.

Supplemental Evaluations

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Copyright

Copyright compliance is a legal responsibility. All students, staff and faculty at NSCC are required to abide by the NSCC [Use of Copyright Materials Policy](#), [Fair Dealing Guidelines](#) and the *Copyright Act of Canada* when copying materials.

This includes art, music, videos, sound recordings, images, printed works (book, journals, newspapers, etc.) and materials on the Internet. Check with your Campus Library if you have questions or visit our [Copyright Guide](#).

Preparing for Learning

Your success in this course stems largely from your level of engagement and willingness to learn. Preparation, attendance, and participation are key factors in learning. If you feel overwhelmed, lost, or disengaged, speak with your faculty, Academic Chair, or Student Services Advisor about how we can help.

Student Supports

Visit the [Student Supports Hub](#) to access accessibility, advising, career, financial aid, library, learning and wellness supports.

For support with Brightspace visit [Service Desk](#) and select Technology Services and then View Services. Click **Create a Request** (Select "Brightspace", then "Brightspace Student Support"). Or, by phone, dial 902 491-4357, or Toll-free: 1 866 898 4357. For self-directed, how-to resources to aid in using Brightspace, visit the [Brightspace Toolkit](#).

Take care of yourself

As a student, you may experience a range of challenges that can interfere with learning, such as strained relationships, increased anxiety, substance use, feeling down, difficulty concentrating or lack of motivation. This may impact your daily activities and your academic performance.

We are here to support you.

To talk to a counsellor and explore other supports: [Wellness and counselling](#)

For online supports and our 24/7 student helpline: [HealthymindsNS](#)

Your wellbeing is a priority – review our [Mental Wellness Strategy](#)

Workplan Approval



Signature: Faculty

Delano Marques

Name of Faculty Member

December 18, 2025

Date

Signature: Academic Chair, Manager Alternate
Delivery, or Dean's Designate

Michael Purcell

Name of Academic Chair, Manager Alternate
Delivery, or Dean's Designate

Date