

### PROG 2500

### TENTATIVE WORK PLAN

### Windows Programming C#

#### FACULTY INFORMATION

Name Geoff Gillespie  
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Office Telephone N/A  
Campus Institute of Technology  
Office Location D309  
Availability By Email Appointment

**Academic Chair:**  
Michael Purcell  
michael.purcell@nsc.ca

**Student Service Advisor**

**Administrative Assistant:**  
Katherine Osborne  
902-491-4511  
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#### TEXTBOOK / RESOURCE REQUIREMENTS

N/A

#### SUPPLIES / ADDITIONAL RESOURCES

None

#### ACCREDITATION / EXTERNAL CERTIFICATION

Not Applicable

#### COURSE OUTCOMES

1. Demonstrate an understanding of Windows application programming using .NET.
2. Develop a C.R.U.D. application using .NET technologies.
3. Develop an application architecture utilizing best practice design.

#### 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
- Labs
- Tests
- Projects
- Field Work
- Presentations
- Peer Assessments
- Self-Assessments

#### Evaluation Scheme:

Assignments:	3 @ 13.3% each	40%
Lab Assignments:	Ongoing	40%
Project:	1 @ 20%	20%
<b>Total</b>		<b>100%*</b>

**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 1 Jan 5-9	Course Introduction / Workplan Overview <b>Introduction to .NET, WPF and XAML</b> Setup & configuration of IDE software	1	
Week 2 Jan 12-16	<b>WPF Styling and Resources</b>	1	
Week 3 Jan 19-23	<b>WPF Controls and Data Binding</b>	1	
Week 4 Jan 26-30	<b>Advanced WPF Features</b>	1	
Week 5 Feb 2-6	<b>Introduction to MVVM Design Pattern</b>	1,3	
Week 6 Feb 9-13	<b>Entity Framework Basics</b>	1,2	
<b>Monday, February 16<sup>th</sup> – Heritage Day – College Closed/No Classes</b>			
Week 7 Feb 16-20	<b>LINQ Basics</b>	1,2,3	
<b>Wednesday, Feb 25<sup>th</sup> – Assessment &amp; Evaluation Day – College Open/No Classes</b>			
Week 8 Feb 23-27	<b>Advanced Entity Framework</b>	1,2,3	
Week 9 Mar 2-6	<b>Integration of WPF with Entity Framework</b>	1,2,3	
Week 10 Mar 9-13	<b>Advanced LINQ Techniques</b>	1,2,3	
<b>March 16-20 – Study Break – College Closed/No Classes</b>			
Week 11 Mar 23-27	<b>Testing and Debugging WPF Applications</b>	1,3	
Week 12 Mar 30-Apr 3	<b>Application Deployment</b>	1,3	
<b>Fri, Apr 3 &amp; Mon, Apr 6 – Good Friday and Easter Monday – College Open/No Classes</b>			
Week 13 Apr 6-10	<b>Final Project Development</b>	1,2,3	
Week 14 Apr 13-15	<b>Final Project Development and Course Wrap-Up</b>	1,2,3	

**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.

**Use of Generative AI**

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.

**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

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.

### 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**

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Signature: Faculty

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

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Name of Faculty Member

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

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Date

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Date