

APPD 1001**User Interface Design and Development****Course Weight:** 30.00**Course Description**

This course provides an introduction to effective and usable interface design. Emphasis will be placed on designing user experiences that adhere to industry standards. Starting from project requirements, learners will design user interfaces and test for usability. Both desktop and web application interfaces will be explored.

Rationale

Far too often does an application's functionality take the front seat in the development process with little thought to the user interface. This course is intended to equip all learners with the knowledge and skills to build intuitive and user friendly interfaces, a skill essential to all application developers.

Prerequisite(s):

None

Corequisite(s):

None

Learning Outcomes

Learners are required to successfully complete each course outcome. In keeping with NSCC's approach to portfolio learning, learners will have demonstrated the ability to:

1. Design effective pre-production storyboards and mock-ups of user interfaces based on a set of requirements and specifications.
2. Demonstrate knowledge and importance of user interface design principles and their role in interface usability.
3. Design and develop working prototypes of user interfaces for both web and desktop applications.
4. Demonstrate effective focus testing of interface designs in order to accurately assess and improve user interaction.
5. Critique and analyze successful and unsuccessful user interfaces throughout our world.
6. Produce intermediate level communication documents and presentations using an office software suite.

Grading

The pass for this course is 60%.

Other Course Notes

It is the responsibility of the student to review and understand all Nova Scotia Community College policies, most specifically the Student Code of Conduct, Academic Integrity, Student Appeals, Use of Copyright Materials, and Academic Accommodation policies.

Policies directly applicable to students are referenced in the student handbook. The policies and procedures can be found on the College website: http://nsc.ca/current_students

If you have questions about policies and/or procedures, you are encouraged to ask Faculty, your Academic Chair or Staff at Student Services.

Workplan

A workplan for this course is attached and will be reviewed by your faculty member (s) within the first week of class study.

APPD1001

TENTATIVE WORK PLAN

User Interface Design and Development

FACULTY INFORMATION

Name	Russell Shanahan	Academic Chair:
Email	Russell.shanahan@nscc.ca	Michael Purcell
Office Telephone	902-584-2045	+1 902-584-2056
Campus	Annapolis Valley Campus - COGS	
Office Location	114-A	
Availability	Thursday from 10:30am to 11:30am	

TEXTBOOK / RESOURCE / SUPPLY REQUIREMENTS

Not Applicable				
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For more information on the course text(s), contact your campus bookstore. For Online courses, contact Metro Bookstore.

Additional Resources/Supplies

Optional external USB 3.0 SSD.

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
- Tests
- Projects
- Presentations
- Peer Assessments
- Self-Assessments

Evaluation Scheme

Assignments: 11 @ ~10%-20% each	100%
Midterm Exam:	0%
Final Exam:	0%
Total	100%

The pass mark for this course is 60%

Assignments that are below satisfactory (less than 60%) are not marked but may be eligible to be re-done. The student has one week from the original assignment due date to resubmit "re-done" assignments and that "re-done" assignment will be marked instead of the first.

Late Submissions

Late submissions may not be accepted after the assignment due date. However, if you don't have 60% at the end of the course, but all assignments are done, some late, then the late assignments may be considered for a passing mark.

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.

TENTATIVE SCHEDULE

Because every learner is different, it is effective to tailor the pace, workload, and delivery method to the 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 6-10	Introduction Separation of GUI from code implementation	3	
Week 2	GUI Builders (Eclipse, IntelliJ, Visual Studio/XAML)	3	
Week 3	Java Layouts.	3	
Week 4	Android GUI	3	
Week 5	Android Platforms	3	
Week 6	Visual Studio XAML	3	
Week 7	PDF Management App Java GUI Storyboard – User Interface Principles	1,2,3,4,5,6	
Week 8	PDF Management App Java GUI Prototype – User Interface Principles	1,2,3,4,5,6	
Week 9	PDF Management App Web GUI Storyboard – User Interface Principles	1,2,3,4,5,6	
Week 10	PDF Management App Web GUI Prototype – User Interface Principles	1,2,3,4,5,6	
	Study Week – No Classes		
Week 11	PMA (Portfolio Manager Application) App. Storyboard (choose Web or Java)	1,2,3,4,5,6	
Week 12	Project - PMA (Portfolio Manager Application) Prototype (choose Web or Java)	1,2,3,4,5,6	
Week 13	Project - PMA Prototype (choose Web or Java)	1,2,3,4,5,6	
Week 14	Project - PMA Complete	1,2,3,4,5,6	
Week 15	Exams		

ADDITIONAL INFORMATION

Inclusion and Integrity of the Learning Environment

We at NSCC strive to ensure that equity, inclusion and social justice is a reality for all our learners, faculty and staff. We are committed to providing a respectful working and learning environment where differences are valued, expected and honored. To support these goals, we have created the following policies: [Respectful Workplace and Learning Environment Policy](#); [Student Code of Conduct Policy](#); [Employee Code of Conduct](#); [Sexual Violence](#); [Academic Accommodations](#).

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

Student Services provides a wide range of supports. For more information, visit online, nscc.ca/services. For support with Brightspace contact the Technology Service Desk by visiting servicedesk.nscc.ca and click *Create a Request* (Select "Brightspace (D2L)", then "Brightspace (D2L) Student Support") or by phone, dial 902 491-6774 (press 4), or Toll-free: 1 877 491-6774 (press 4)

Copyright & Academic Integrity

You are required to demonstrate the values of academic integrity and honesty as upheld by the NSCC Academic Integrity Policy and Student Code of Conduct. Refer to the [NSCC Policies and Procedures webpage](#) to review the Academic Integrity Policy and Student Code of Conduct.

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 including art, music, videos, sound recordings, images, printed works (book, journals, newspapers, etc.) and materials on the Internet. Refer to the NSCC Policies and Procedures webpage to review the Use of Copyright Materials Policy. Check with your Campus Library if you have questions or visit our online subject guides.

Key Links

College Regulations: nscc.ca/Admissions/college_regulations.asp

NSCC Policies and Procedures: [nscc.ca/about nscc/policies_procedures/index.asp](https://nscc.ca/about_nscc/policies_procedures/index.asp)



Signature: Faculty

Russell Shanahan

Name of Faculty

16 Dec. 2020

Date



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

Michael Purcell

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

January 20, 2020

Date