# Course Outline

# Full-Stack Developer – LEA.BN

## General Information

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| **Course title** | **Website Design** |
| Course number | 420-WB4-AB |
| Hours | 60 |
| Ponderation  *Ratio of lecture, practical and homework hours* | 2-2-3 |
| Credits | 2.33 |
| Competency statement(s) and code(s) | 00ST - Develop non-transactional Web applications  Elements 1 & 4 only:  00ST.1 Analyze the application development project  00ST.4 Program the Web interface |
| Prerequisite (s) | 420-WA5-AB Foundations of Web Development |
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| Cohort | FSD-10 |
| Start date | Augost 21, 2023 |
| End date | September 6, 2023 |
| Day(s) and times | M-F: 4:00-6:30 & 7:00-9:30 |
| Classroom/lab number | Online |
| Semester | F2023 |
| Teacher | Reza Shalchian |
| Teachers’ contact info |  |
| Course format (F2F, online, hybrid) | Online |

## Introduction

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| This course is part of the Full-Stack Developer program leading to an Attestation of Collegial Studies (A.E.C.). It should be taken in the second semester of the program.  This Web Design course leads the student through the entire Web site creation process, while developing and enhancing their HTML, CSS, and creative design skills along the way. This course introduces the concept of responsive web design which allows you to control a websites’ appearances on multiple screen sizes. Students will explore design strategies for laying out content, graphics, and navigation for multi-page websites. A wire-framing tool, such as Adobe XD, will be used to create mock-ups and user interface designs. |

## Course Objectives

By the end of this course, students should be able to perform the following:

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| **00ST** | |
| **Statement of the Competency** | **Achievement Context** |
| Develop non-transactional Web applications. | * For Web applications associated with information delivery, marketing, etc. * For new applications and applications to be modified * Based on design documents * Using images * Using issue tracking and version control procedures |
| **Elements of the Competency** | **Performance Criteria** |
| 1. Analyze the application development project. | * Accurate analysis of design documents * Proper identification of the tasks to be carried out |
| 1. Program the Web interface. | * Appropriate use of markup language * Suitable creation and use of style sheets * Proper integration of images * Adaptation of the interface based on the display format and resolution |

## Evaluation Plan

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| **INSTRUCTIONS FOR TEACHERS CONCERNING FINAL EVALUATIONS** | |
| **40% MINIMUM** | **40% MAXIMUM** |
| For the final evaluation | For a single evaluation task |
| Each course must have some form of final evaluation of sufficient weighting to attest the student’s achievement of the competencies and the competency elements attached to the course. This evaluation should account for a minimum of 40%. | Given the intensive nature of the Continuing Education A.E.C. courses, a single evaluation task may have a maximum weight of 40% of the final grade. In other words, a single evaluation task with a weighting of 41% and above is not recommended. |
| **The final evaluation may include several evaluations tasks.**  Examples of a final evaluation  1 final evaluation with a weight of 40%.  5 evaluation tasks with a weight of 10%, for a total of 50%.  1 evaluation task with a weight of 25%, and another with a weight of 20%, for a total of 45%.  Note: This table of instructions for teachers is hidden text so that it will not print when creating the pdf for the students. | |

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| **Evaluation task** | **%** | **Approximate date** | **Link to competency(ies) and element(s)** | **Select if part of the final evaluation!** |
| Assignment 1 | 15% | Class 2 | 1,4 |  |
| Assignment 2 | 15% | Class 5 | 1,4 |  |
| Test1 | 15% | Class 8 | 1,4 |  |
| Test | 25% | Class 9 | 1,4 |  |
| Term Project | 30% | Class 12 | 1,4 |  |

## Course Content and Schedule

##### Course Content

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| Basics of Web Design  The website creation process  Wireframes/Mock-ups  Graphics  HTML  CSS  Web design strategies/tools  Responsive web design |

##### Schedule

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| --- | --- | --- | --- | --- |
| **Date or class** | **Topic(s)** | **Additional info** | **F2F** | **Online** |
| Class 1 | Understand the Basics of Responsive Web design |  |  |  |
| Class 2 | Preparing and Planning a Web Site |  |  |  |
| Class 3 | Designing Wireframes |  |  |  |
| Class 4 | HTML |  |  |  |
| Class 5 | HTML and CSS |  |  |  |
| Class 6 | **Practice Test**  Exploring CSS framework |  |  |  |
| Class 7 | Responsive Layout |  |  |  |
| Class 8 | **Test** |  |  |  |
| Class 9 | Project |  |  |  |
| Class 10 | Project |  |  |  |
| Class 11 | Project |  |  |  |
| Class 12 | Project Presentation |  |  |  |

## Required Textbooks / Materials / Costs

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| Title / Item | Cost $ |
| N/A | 0 |
| Technical requirements for this course (hardware, software, High speed Internet connection, etc.) | |
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## Bibliography (books, articles, videos, websites, podcasts, etc.)

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| Frahaan. *Responsive Web Design by Example: Embrace responsive design with HTML5, CSS3, JavaScript, jQuery and Bootstrap 4*, Packt Publishing, 2017  Jennifer Robbins. *Learning Web Design: A Beginner's Guide to HTML, CSS, JavaScript, and Web Graphics*. O'Reilly Media; 5th Edition, 2018  Ben Frain. *Responsive Web Design with HTML5 and CSS3 - Build responsive and future-proof websites to meet the demands of modern web users, Second Edition*, 2015 |

## Teaching Methods

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| The course is a combination of theory and labs. Students will:   * Work alone * Work in groups   The course requires your individual presence and your active, consistent and sustained participation in your individual work. Your individual responsibilities are to complete the work assigned and be ready to work at the start of each class.  Léa, the course management system within Omnivox, will be used in this course.  Microsoft Teams will be used in this course.    Learning Activities:   * Lectures/Demonstrations: Discussion is encouraged as is student-procured, outside material relevant to topics being covered. * Hands-On Exercises/Assignments/Project: Case problems, concepts reviews, and skills practice, will help support and reinforce material in the course. These will be structured to be as realistic as possible given the time available.   • Term Project  • Classroom Activity: Participation and Discussion |

## Departmental Policies and Classroom Policies

### Classroom Policies

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| Late submission of work  Work submitted late will result in a 10% deduction from the grade, per calendar day |
| Classroom behaviour |
| Online etiquette |

### Departmental Policies

Please refer to the following document concerning policies in place at the Centre for Continuing Education:

[Continuing Education Policies and Guidelines](http://continuingeducation.johnabbott.qc.ca/continuing-education-policies-december-1-2020-final/)

(version: December 1, 2020)

## College Policies

Please refer to the following document concerning the provisos related to course outlines as a response to Covid-19.

### [Provisos for Course Outlines (Covid-19)](http://continuingeducation.johnabbott.qc.ca/wp-content/uploads/2022/01/Covid-19-provisos-updated-January-12-2022.pdf)

(version: winter 2022)

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| **Topic** | **Resource** |
| Student rights and responsibilities  (see articles 3.2 and 3.3) | [Policy 7:IPESA - Institutional Policy on the Evaluation of Student Achievement (version: June 12, 2019)](http://departments.johnabbott.qc.ca/publications/Policies/Policy%20No.%207%20-%20IPESA%20FINAL.pdf) |
| Changes to evaluation plan in the course outline  (see article 5.3) |
| Religious holidays  (see article 4.1) |
| Cheating and plagiarism  (articles 9.1 and 9.2) |
| Cheating and plagiarism | [Academic Integrity: Cheating and Plagiarism Procedure (version: October 22, 2021)](https://johnabbott.omnivox.ca/intr/academic/policies/)  ***You will need to log into Omnivox to access this document.*** |
| Code of conduct | [Policy 13: Policy on Student Conduct and Discipline Procedures (version: September 21, 2021)](https://www.johnabbott.qc.ca/wp-content/uploads/2021/09/POLICY-13_-_policy_on_student_conduct-Final-BOG-2021-09-21.pdf) |

*DISCLAIMER: Policies may be updated during the academic year. Should a link in the section above no longer work, please refer to the college website:* [*https://www.johnabbott.qc.ca/the-college/official-documents/*](https://www.johnabbott.qc.ca/the-college/official-documents/)