COURSE OUTLINE

TECH1101
WEB AND INTERNET FUNDAMENTALS

First created: April 10, 2017

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TECH1101 WEB AND INTERNET FUNDAMENTALS

COURSE DESCRIPTION

This course focuses on the design, construction, and website publishing that meet web standards for the internet. During the design of websites, learners address issues such as bandwidth, aesthetics, and the user interface. During the construction of websites, learners focus on the use of Hyper Text Markup Language (HTML), cascading style sheets (CSS), basic client-side scripting, website maintenance, and web technologies.

PREREQUISITES	none		
CO-REQUISITES	none		
EQUIVALENTS		X	N/A
ANTI-REQUISITES		X	N/A
CREDITS	3		
HOURS	45		

PRIOR LEARNING ASSESSMENT AND RECOGNITION (PLAR)

Is this course eligible for PLAR? ☐ Yes ☒ No

Please contact your program coordinator for details on how to apply for Prior Learning Assessment and Recognition.

TOPICS COVERED

Design principles for the web	Information architecture
Basic HTML, CSS, and client-side scripting (ECMA/JavaScript)	Website design and creation
Basic server-side scripting	Website publishing and infrastructure
Website maintenance and issues	Emerging web technologies and future trends

LEARNING OUTCOMES

	UPON SUCCESSFUL COMPLETION OF THIS COURSE YOU WILL BE ABLE TO:	COLLEGE-WIDE OUTCOMES SUPPORTED
1	Select appropriate HTML elements to apply structure and semantic meaning to page content.	1, 2, 4, 5, 7, 9
2	Construct a variety of CSS rules and declarations using current selectors, properties, and values.	1, 2, 4, 5, 7, 9
3	Employ client-side scripting (ECMA/JavaScript) to manipulate visual and structural aspects of a page.	1, 2, 3, 4, 5, 6, 7, 9
4	Explain and incorporate principles that address the user interface, aesthetic, bandwidth, and functionality of web page design.	1, 2, 3, 4, 5, 6, 7, 9
5	Work in small groups to plan, build, deploy, and test a functional website that incorporates interactive elements, navigation, and sample content.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
6	Research and identify current and future uses of web technologies.	1, 2, 4, 5, 6, 7, 9, 10

PERFORMANCE EVALUATION

COURSE LEARNING OUTCOME	ASSESSMENT STRATEGY	WEIGHT
1, 2, 3, 4, 5, 6	Learning Activities	
1, 2, 3, 4, 5, 6	Assignments	
1, 2, 3, 4, 5, 6	Group Project	
1, 2, 3, 4, 5, 6	Engagement	

No single assessment to exceed a value of 40%

REQUIRED LEARNING RESOURCES

Connolly, R., & Hoar, R. (2017). *Fundamentals of Web Development* (2nd ed.).
New York, NY: Pearson.

ADDITIONAL LEARNING RESOURCES

Additional learning resources may be found in the course instance in the learning management system.

GRADING SCHEME

GRADE	PERCENTAGE	GRADE POINT	DESCRIPTION
A+	95-100	4.0	Exceptional
A	90-94	4.0	
A-	85-89	3.67	Excellent
B+	80-84	3.33	
B	75-79	3.0	Good
B-	70-74	2.67	
C+	67-69	2.33	
C	64-66	2.0	
C-	60-63	1.67	Satisfactory
D+	57-59	1.33	
D	50-56	1.0	Minimal Pass
F	Less than 50	0.0	Fail

A Grade Point Average of 2.0 is required for graduation.
A minimum grade of D / 50% is required to pass this course. However, your program may require a higher grade in this course for you to progress in the program and to graduate. Please refer to your individual Program Content Guide or contact your program coordinator for further details.

ACADEMIC ACCOMMODATIONS

Learners with a disability (learning, physical, and/or mental health) may qualify for academic and exam accommodations. For more information, or to apply for accommodations, learners should make an appointment with Accessibility Services in the Learner Success Services (LSS) Department. Accessibility Services can also assist learners who may be struggling with learning but do not have a formal diagnosis. To make an appointment visit LSS on the first floor of the south campus or call 403-410-1440. It is the learner's responsibility to contact Accessibility Services and request academic accommodations. For more information, please visit our website at http://www.bowvalleycollege.ca/accessibility.

INSTITUTIONAL CONSIDERATIONS

Bow Valley College is committed to the highest standards of academic integrity and honesty. Learners are urged to become familiar with and uphold the following policies: Academic Honesty (500-1-7), Learner Code of Conduct, Procedures and Guidelines (500-1-1), Learner Appeals (500-1-12), Attendance (500-1-10), Grading (500-1-6), Academic Continuance and Graduation (500-1-5), and Electronic Communications (300-2-13). Refer to www.mybvc.ca/.

Audio or video recording of lectures, labs, seminars, or any other teaching and learning environment by learners is allowed only with consent of the instructor as part of an approved accommodation plan. Recorded material is to be used solely for personal study, and is not being used or distributed for anyone without prior written consent from the instructor.

Academic honesty is essential to the mission and vision of Bow Valley College. The College is committed to fostering an environment of academic honesty through education and compliance with academic honesty policies. Academic honesty is expected of all learners enrolled at Bow Valley College. Please review the Academic Honesty Policy on your account on www.mybvc.ca/.

Learners are encouraged to keep a copy of this course outline for future reference.

ADDITIONAL INFORMATION

College-Wide Outcomes:
1. Communication
2. Thinking Skills
3. Numeracy and Financial Literacy
4. Working with Others
5. Digital Literacy
6. Positive Attitudes and Behaviours
7. Continuous Learning
8. Health and Wellness Awareness
9. Citizenship and Intercultural Competence
10. Environmental Sustainability