CURRICULUM GUIDE: OFFICIAL COURSE OUTLINE

Course Code	CPSC 165	Course Title	Introduction to Internet Concepts and Web Design Principles		
Credit Value	4	Department	Mathematics and Science		
No. of weeks	14	Hrs. per week	*Lecture*	*Tutorial*	*Laboratory*	*Total*

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			3	0	1	4

Course Description	This course introduces students to basic planning and designing of effective web pages; implementing web pages using HTML (Hypertext Markup Language) and CSS (Cascading Style Sheets); enhancing web pages with the use of page layout techniques, text formatting, graphics, images, and multimedia; and producing a functional, multi-page website. It does not require nor expect any prior knowledge of HTML or Web design.
Prerequisite(s)	ENGL 088 (formerly ENGL 097)

Initial Articulation Targets	UBC	SFU	UVic	UNBC	TRU
	No credit	CMPT 165 (3)	CSC 1XX (1.5)	CPSC 1XX (3)	COMP 2680 (3)

For updated information on the transferability of this course, please consult the BC Transfer Guide, www.bctransferguide.ca

Learning Outcomes

Upon successful completion of this course, the student will be able to:

- Explain the basic structure of the internet and world wide web
- Create static websites using HTML and CSS
- Create simple dynamic websites using a scripting language
- Design and create simple dynamic websites
- Explain how to choose colours for a website based on colour theory
- Differentiate between image file types
- Examine whether a website is visually appealing and usable

Content

Core topics – all of the following will be covered:

- Basic Structure of the Internet and WWW
- Hypertext Markup Language (HTML): Text, Images, Links, Lists, Tables, Forms
- Cascading Style Sheets (CSS): Selectors, Formatting, Layout, Effects
- Colour Theory
- Graphics and Images
- Design Principles
- Programming: Python or JavaScript

Additional topics may also be covered, at the discretion of the instructor.

Methods of Instruction	Lectures, assignments, computer laboratory work, projects, assigned reading, quizzes, exams
Required Textbook(s)	The following textbook(s) is/are required, or approved equivalent(s). Castro, Elizabeth and Bruce Hyslop.HTML and CSS: Visual QuickStart Guide. 8th Edition. San Francisco: Peachpit Press, 2013. Felke-Morris, Terry. Web Development and Design Foundations with HTML5. 10th Edition. New Jersey: Pearson Education, 2021.
Required Equipment and Technology	Students are required to have a computer with internet access. The following resources are provided by the College: • Office 365 • Student email
Homework Hours	At minimum, students can expect one hour of homework for every hour of instructional time.

Evaluation	Component	% Value
	Assignments and Quizzes	15-30%
	Labs and Projects	15-20%
	Midterms (1-2)	20-35 %
	Final Examination	30-35%

Completion Requirements	The minimum grade to pass this course is D (50%). Unless otherwise stated, a minimum grade of C- (55%) is required for this course to fulfil a prerequisite.		
Course Designer(s)	Ahmed Malki, Ph.D., Department of Computer Science, Alexander College	Consultant(s), *if applicable*	John Edgar, M.Sc. School of Computing Science, Simon Fraser University
Dean's Approval	Barbara Moon, Ph.D., Dean of Arts and Sciences, Alexander College	Dean's Approval Date	June 1, 2017
Curriculum Committee Approval Date	June 1, 2017	First Term Offered	Fall 2017
Last Review Date	February 14, 2023	Next Review Date	February 14, 2027
Revision History	February 14, 2023. Minor revisions and updates to grading ranges, textbook by Ahmed Malki. Removed prerequisite 3-credits CPSC at direction of SASC and department head.		