COQUITLAM COLLEGE
Established 1982

COURSE OUTLINE

Effective Semester: Fall 2024

COURSE INFORMATION

Course Title Introduction to the Internet and the World Wide Web   **Course Number:** CSCI 165   **Credits:** 3

Total Weeks: 14 (Fall, Spring)   **Total Hours:** 39   **Course Level:** ☒ First Year   ☐ Second Year
12 (Summer)   ☐ New   ☐ Revised Course
                                                                                           ☐ Replacement Course

Department: Computer Science **Department Head:** M. O'Connor   **Former Course Code(s) and Number(s) (if applicable):** N/A

Pre-requisites (If there are no prerequisites, type NONE): None. CSCI 100 or equivalent is recommended.

Co-requisite Statement (List if applicable or type NONE): None

Precluded Courses: N/A

COURSE DESCRIPTION

In this course students will examine some of the concepts underlying the use of multimedia and the Internet in society. In the process, students will obtain basic skills in the use of computers for multimedia applications including graphics, text processing, HTML, and some programming skills to generate dynamic webpages.

LEARNING OUTCOMES

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

- Explain how information is transmitted over the Internet.
- Describe the key protocols and the process of packet switching.
- Explain the difference between the Internet and the World Wide Web.
- Create static webpages using HTML5.
- Compare and contrast the formats of computer graphic files.
- Understand the basics of web design for creating usable and accessible websites.
- Use appropriate HTML5 tags to define common elements of webpages
- Implement commonly used CSS properties and rules to webpages
- Create simple dynamic webpages using forms to capture user input.
- Define simple algorithms using pseudocode.
- Create PHP programs that use these language features: i/o, variables, data types, control structures, functions and files.
- Develop dynamic websites using PHP for server-side processing.

INSTRUCTION AND GRADING

Instructional (Contact) Hours:

Type	Duration
Lecture	39
Seminars/Tutorials	
Laboratory	
Field Experience	
Other (*specify):*	
Total	39

Grading System: Letter Grades ☒   Percentage ☐   Pass/Fail ☐   Satisfactory/Unsatisfactory ☐   Other ☐

Specify passing grade: 50%

Evaluation Activities and Weighting (total must equal 100%)

Assignments: %	Lab Work: 10%	Participation: 10%	Project: %
Quizzes/Test: 20%	Midterm Exam: 30%	Final Exam: 30%	Other: %

TEXT(S) AND RESOURCE MATERIALS

Provide a full reference for each text and/or resource material and include whether required/not required.
Web Development & Design Foundations with HTML5. 10th Edition. Author: Terry Felke-Morris, Publisher:
Pearson. Published 2020.
ISBN-13: 9780136662402 (Required)

PHP for the Web, Visual QuickStart Guide, 5th Edition. Author: Larry Ullman, Publisher: Peachpit Press, Published 2016.
ISBN-13: 978-0134291253 (*Optional*)

Supplementary readings and other class materials are provided and posted by the instructor on MyCC.

COURSE TOPICS

List topics and sequence covered.

Week 1   Introduction to The Internet and The World Wide Web

Week 2   HTML & Web Design

Week 3   CSS

Week 4   Visual Elements & Graphics

Week 5   Web Design, Quiz 1

Week 6   E-Commerce & Web Promotion

Week 7   **Midterm Exam**
              Algorithms

Week 8   PHP Programming (Introduction)

Week 9   PHP Programming (Variables and Arrays)

Week 10   PHP Programming (Functions)

Week 11   PHP Programming (Control Structures)

Week 12   PHP Programming (Forms), Quiz 2

Week 13   PHP Programming (Files)

Week 14   **Final Exam**

NOTES

1. Students are required to follow all College policies. Policies are available on the website at: [Coquitlam College Policies](#)
2. To find out how this course transfers, visit the BC Transfer Guide at: [bctransferguide.ca](#)

Last Reviewed: September 2024
Last Revised: September 2024