**Evaluation criteria**

|  |  |  |
| --- | --- | --- |
| **Criteria** | **%** | **Comments** |
| Quizzes | 10 |  |
| Labs | 20 |  |
| Assignments | 20 |  |
| Projects | 20 |  |
| Group Project | 30 |  |

**Attendance requirements**

Attendance in labs is mandatory.

In case of illness or other unavoidable cause of absence, the student must communicate as soon as possible with his/her instructor indicating the reason for the absence.

Prolonged illness which causes the student to miss 10% or more of the labs will require a BCIT-approved medical certificate submitted to the department, substantiating the reason for the absence.

**Learning resources**

**Textbooks**

* *Randy Connolly and Ricardo Hoar*. (2016). *Fundamentals of Web Development*

*ISBN-10: 0133407152 ISBN-13: 9780133407150*

**Course schedule and assignments**

This schedule is subject to change at the discretion of the instructor.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Week #** | **Material Covered** | **Quizzes** | **Assignments** | **Project** | **Week Due** |
| 1 | Lab 1, 2: HTML, CSS |  |  |  |  |
| 2 | Lab 3, 4: HTML Tables and Forms, Advanced CSS |  |  |  |  |
| 3 | Lab 5, 6: JavaScript: Client-Side Scripting | Quiz 1 | Assignment 1 |  | Week 5 |
| 4 | Lab 7, 8: Web Media |  |  | Project 1 | Week 9 |
| 5 | Lab 9, 10: Server-Side Development with PHP | Quiz 2 | Assignment 2 |  | Week 8 |
| 6 | Lab 11, 12: PHP Arrays and Superglobals |  |  | Group Project | Week 14 |
| 7 | Midterm Exam Week: Projects |  |  |  |  |
| 8 | Lab 13, 14: PHP Classes and Objects, Working with Databases | Quiz 3 | Assignment 3 |  | Week 10 |
| 9 | Lab 15, 16: Error Handling and Validation, Managing State |  |  | Project 2 | Week 13 |
| 10 | Lab 17, 18: Web Application Design, Advanced JavaScript & jQuery | Quiz 4 | Assignment 4 |  | Week 12 |
| 11 | Lab 19, 20: Content Management Systems, Security |  |  |  |  |
| 12 | Lab 21, 22: Web Server Administration, XML Processing and Web Services | Quiz 5 |  |  |  |
| 13 | Lab 23, 24: Search Engines, Social Network Integration |  |  |  |  |
| 14 | Final Exam Week: Group Projects |  | | | |

\* Subject to change