

## **COURSE COM2055: WEB DESIGN 2**

**Level:** Intermediate

**Prerequisite:** COM1055: Web Design 1

**Description:** Students learn intermediate coding and software applications to produce a Web site.

**Parameters:** Access to a computer workstation and the Internet.

**Outcomes:** The student will:

### **1. develop a multipage Web site**

- 1.1 identify the purpose, audience and audience needs for a Web site
- 1.2 prepare Web page content that is relevant to the Web site purpose and appropriate for the target audience
- 1.3 plan the Web site navigation and pages; e.g., storyboarding, thumbnail sketches, site map
- 1.4 create a Web site according to the World Wide Web Consortium (W3C) standards, including:
  - 1.4.1 pages
  - 1.4.2 text
  - 1.4.3 graphics
  - 1.4.4 basic Hyper Text Markup Language (HTML) tags to set up an HTML document, format text, add links, create tables and build ordered and unordered lists
  - 1.4.5 original navigation bars, rollover images and buttons
  - 1.4.6 image maps
  - 1.4.7 Web page templates
  - 1.4.8 basic cascading style sheets (CSS) to implement a reusable element
  - 1.4.9 importing tabular data to a Web page; e.g., copy and paste
  - 1.4.10 rich media; e.g., video, sound, animation
  - 1.4.11 importing and displaying content from a document and spreadsheet
  - 1.4.12 creating forms
  - 1.4.13 inserting and/or writing code with or without software
- 1.5 demonstrate knowledge of W3C accessibility standards
- 1.6 demonstrate project management tasks and responsibilities
- 1.7 outline tasks and alternative strategies for Web site maintenance; e.g., in-house Webmaster, contract services
- 1.8 publish site files to a local or remote server and update them when necessary

### **2. identify copyright restrictions and permissions and put them into practice**

### **3. present the Web site to an audience**

- 3.1 make Web page development decisions based on analysis and interpretation of design specifications
- 3.2 consider multiple assessments; e.g., after initial creation, revisions, final version
- 3.3 add the Web site to portfolio

### **4. enhance Web site**

- 4.1 update data
- 4.2 modify text and text properties
- 4.3 modify images and image properties

- 5. apply consistent and appropriate work station routines**
  - 5.1 demonstrate good health and safety practices; e.g., posture, positioning of hardware and furniture
  - 5.2 demonstrate security for hardware, software, supplies and personal work
- 6. demonstrate basic competencies**
  - 6.1 demonstrate fundamental skills to:
    - 6.1.1 communicate
    - 6.1.2 manage information
    - 6.1.3 use numbers
    - 6.1.4 think and solve problems
  - 6.2 demonstrate personal management skills to:
    - 6.2.1 demonstrate positive attitudes and behaviours
    - 6.2.2 be responsible
    - 6.2.3 be adaptable
    - 6.2.4 learn continuously
    - 6.2.5 work safely
  - 6.3 demonstrate teamwork skills to:
    - 6.3.1 work with others
    - 6.3.2 participate in projects and tasks
- 7. identify possible life roles related to the skills and content of this cluster**
  - 7.1 recognize and then analyze the opportunities and barriers in the immediate environment
  - 7.2 identify potential resources to minimize barriers and maximize opportunities