Credit for Prior Learning Examination

INF 286 – Introduction to Web Development

Exam Details

This examination is designed to determine whether students have mastered the basics knowledge of web development to a degree sufficient to receive credit for INF 286 "Introduction to Web Development". Students should be familiar with:

- Basic concepts related to Web and Internet
- Various types of CSS and use of CSS to format text, color, graphics, and media
- Basic HTML5 grammars and general HTML5 elements, such as headings, images, links, lists, structural elements, tables, forms etc.
- Adding, ethical use and legal consideration of images and multimedia files on the web page, such as images, audio, videos etc.
- Basic page layout design, such as two column design, three column design etc.
- Principles of web design
- Web development process
- JavaScript language (not only the basic concepts in JavaScript language, but also some intermediate level concepts in JavaScript language), including:
    - Introduction and common uses of JavaScript in Web pages.
    - Use variables and operators
    - Use decision making (if..else.. statements)
    - Use repetition (while and for loop)
    - Functions (how to define and call a function)
    - [Arrays] (how to create an array, initiate its element values, manipulate its elements)
    - Common events and event handlers (see those common ones in the Chapter 14).
    - Create basic form validation scripts
    - Document Object Model Overview
    - JavaScript objects (common ones, such as window, document, Math, string)

Exam Format

There will be two types of questions in the exam, including:

- **Multiple choice questions**: the student needs to select only the option which best answers each question.
- **Coding questions:** the student needs to write code in HTML 5 language to answer each question.

This is a closed-book, closed-notes test. Students may take up to 120 minutes to complete. Students who fail this examination will not be permitted to retake it.

Course Description

INF 286 Introduction to Web Development (3 credits)

This course is an introduction to web design and development for majors in the informatics fields. It is designed to provide understanding of basic web development concepts and process, web design best practices, web page creation with HTML and CSS, web client-side scripting using JavaScript.

Prerequisites: C- or better in MAT 109 (or higher) and INF 110 or INF 120.

Study Resources

<u>Web Development & Design Foundations with HTML5</u>, Edition 8 (2017), Terry Felke-Morris, Addison-Wesley, ISBN: 9780134322759
The material covered: chapters 1-11, 14.

For questions regarding this exam, please contact Dr. Hongmei Wang.

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