Introduction Web Development Course

16th September

Introduction to Course

- Lecturer:Cindy Liu
  - Office:K201
  - Email: cindy.liu@dit.ie
  - Phone No.:01-4022868
- Course schedule
  - 2 hours lectures
    - Tuesday 16:00-18:00 (A2-008, A1-008)
  - 2 hours labs
    - Thursday 16:00-18:00

Course Aim (from Course Document)

- Provide students with excellent skills for client side web development using popular markup languages.

- Provide students with the skills necessary to design the appearance of a web resource independently of the conte

- Provide students with the skills necessary to dynamically generate or alter the contents or appearance of a web resource using a client side scripting language such as JavaScript.

Learning Approach

- The most effective way to learn a web technology is to implement systems using those technologies.

- Lecture time will be used to provide both a high level explanation of a given technology,with some of its mor powerful aspects treated in detail.

- Focus is placed on empowering the students to develop the skills **independently** of the presence of a tutor or lecturer.

Module Content

- **World-Wide-Web:**
  - Relationship to the Internet.
  - Relationship to E-Mail,FTP,Telnet and other Internet technologies.
  - Using search engines,particularly the advanced features of popular engines.
  - Using discussion boards,bulletin boards and other online collabora knowledge sharing resources.
- **EffectiveWeb Design**
  - Introduction to usability issues.
  - Relatively simple web development methodology.
  - Evaluation and analysis of web sites.
- **Client Side Markup Languages:**
  - Introduction to HyperText.
  - HTML 5- Layout using tables,iframes,images,colours,list,Drag and D other components.

Module Content

- **Separation of Style and Content:**
  - Cascading Style Sheets (CSS3).

- **Dynamic HTML:**
  - Introduction to JavaScripting.

- **Maintaining State:**
  - Web Storage

Module Assessment

- This module has the following:
  - **50%** weighting for the examination
  - **50%** weighting for the continuous assessment

- Examination = 50%
- Assessment = 50%
  - Assignment given around Week 8 = **70%**
  - Lab exercises = **30%**

Lab Exercises

- Labs will either be:
  - Evaluations -> recorded in a blog
  - Implemented Code -> submitted throughWebCourses

- This will all be worth 15% of final mark

- It is worthwhile coming to labs!!

Essential Reading

- W3schools.org

Referential Reading

- HTML5 & CSS3 Develop with Tomorrow's Standards Today,

    Hogan,Pragmatic Programmers (2011)