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FIT9027 Website authoring - Semester 1, 2012

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FIT9027 Website authoring - Semester 1, 2012

This unit will develop the basic concepts of website authoring, from design to implementation. Students will develop skills in creating digital content which is authored to deal with the particular issues of web publishing. The unit will examine HTML/XHTML, Cascading Style Sheets (CSS), the W3C Document Object Model (DOM) and JavaScript as the fundamental website authoring suite. In addition HTML embedded script languages, such as ColdFusion, will be used to create dynamic database driven content. The unit will also introduce wider W3C standards, web usability and web design specification.

Mode of Delivery

Caulfield (Day)

Contact Hours

2 hrs lectures/wk, 2 hrs laboratories/wk

Workload

Students will be expected to spend a total of 12 hours per week during semester on this unit as follows:

- a 2-hour lecture
- a 2-hour tutorial
- a recommended minimum of 6-8 hours of private study per week

Unit Relationships

Prohibitions

FIT1012, MMS1402, MMS9401

Chief Examiner

Ms Kirsten Ellis

Campus Lecturer

Caulfield

William Lay

Tutors
Academic Overview

Outcomes

At the completion of this unit students will have -
A theoretical and conceptual understanding of:

- the characteristics of commercial web sites and the authoring/management issues associated with them;
- the features and applicability of a range of software tools which are used in the development of websites;
- internet standards and protocols, in particular the impact of World Wide Web Consortium (W3C) standards in this area;
- a web based document as an instance of the W3C Document Object Model;
- website usability issues;
- the role that products such as Macromedia Flash can play in web authoring;
- copyright related issues as they apply to web authoring.

Developed attitudes that enable them to:

- appreciate the flexibility required in dealing with clients in a variety of situations encountered in the tendering/authoring process;
- demonstrate a critical attitude towards assessing the success of websites;
- demonstrate a recognition of the strengths and weaknesses of information technology in the context of the development and use of web based multimedia systems.

Developed the skills to:

- create and manipulate digital content for websites, including basic audio and animation;
- code web pages using standard HTML/XHTML, including tables and forms;
- make use of Cascading Style Sheets (CSS) to add style to web documents;
- use JavaScript to add interactivity to HTML pages;
- access and manipulate DOM objects in a web document;
- write HTML embedded script code (such as ColdFusion) to produce dynamic database driven web documents;
- produce design specification documents applicable to a web site authoring task.

Demonstrated the teamwork skills necessary to:

- work as a member of a project team.

Graduate Attributes

Monash prepares its graduates to be:

1. responsible and effective global citizens who:
   a. engage in an internationalised world
   b. exhibit cross-cultural competence
   c. demonstrate ethical values

   critical and creative scholars who:
Academic Overview

a. produce innovative solutions to problems
b. apply research skills to a range of challenges
c. communicate perceptively and effectively

Assessment Summary

In-semester assessment: 100%

<table>
<thead>
<tr>
<th>Assessment Task</th>
<th>Value</th>
<th>Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>HTML/CSS Website</td>
<td>20%</td>
<td>Week 7 (Monday 6pm)</td>
</tr>
<tr>
<td>Group Project</td>
<td>20%</td>
<td>Week 12 (Friday 6pm)</td>
</tr>
<tr>
<td>Work Requirements</td>
<td>40% (5%, 10%, 15%, 10%)</td>
<td>Weeks 3, 5, 9 and 11</td>
</tr>
<tr>
<td>Concept Diary</td>
<td>20% (10 x 2%)</td>
<td>Weeks 2-11</td>
</tr>
</tbody>
</table>

Teaching Approach

Lecture and tutorials or problem classes

This teaching and learning approach provides facilitated learning, practical exploration and peer learning.

Feedback

Our feedback to You

Types of feedback you can expect to receive in this unit are:

- Informal feedback on progress in labs/tutes
- Graded assignments with comments
- Other: Solutions to work requirement tasks

Your feedback to Us

Monash is committed to excellence in education and regularly seeks feedback from students, employers and staff. One of the key formal ways students have to provide feedback is through SETU, Student Evaluation of Teacher and Unit. The University's student evaluation policy requires that every unit is evaluated each year. Students are strongly encouraged to complete the surveys. The feedback is anonymous and provides the Faculty with evidence of aspects that students are satisfied and areas for improvement.

For more information on Monash's educational strategy, and on student evaluations, see:
http://www.policy.monash.edu/policy-bank/academic/education/quality/student-evaluation-policy.html
Previous Student Evaluations of this unit

Previous feedback has highlighted the following strengths in this unit:

- A broad range of practical techniques are covered
- Opportunity for creative application of skills

As a result of student feedback and unit review, improvements have been made to this offering:

- More coverage of upcoming standards
- Adjustments to length of tutorial exercises
- Adjustments to assessment to focus more on correct application of HTML structure
- Adjustments to weighting of marks in group assessment
- Increased focus on encouraging good programming practices

If you wish to view how previous students rated this unit, please go to https://emuapps.monash.edu.au/unitevaluations/index.jsp

Required Resources

Please check with your lecturer before purchasing any Required Resources. Prescribed texts are available for you to borrow in the library, and prescribed software is available in student labs.

The unit covers the following software:

- Adobe Dreamweaver CS4/CS5.5
- Adobe Photoshop CS4/CS5.5

All software will be provided in computer laboratories (if you wish to have after-hours access, this can be arranged with ITS). Alternatively, students may use their own computer with their own copies of the software installed.

Software may be:

- Purchased at academic price at good software retailers
- Trial versions of software are available from publishers' websites

Recommended text(s)


## Unit Schedule

<table>
<thead>
<tr>
<th>Week</th>
<th>Activities</th>
<th>Assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>No formal assessment or activities are undertaken in week 0</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Unit Introduction &amp; Key Concepts</td>
<td></td>
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<tr>
<td>2</td>
<td>HTML &amp; Web Standards</td>
<td>Concept Diary</td>
</tr>
<tr>
<td>3</td>
<td>CSS Formatting</td>
<td>Concept Diary; Work Requirement 1 due Week 3</td>
</tr>
<tr>
<td>4</td>
<td>Working with Colour, Images &amp; Typography</td>
<td>Concept Diary</td>
</tr>
<tr>
<td>5</td>
<td>CSS Layout &amp; Rich Media</td>
<td>Concept Diary; Work Requirement 2 due Week 5</td>
</tr>
<tr>
<td>6</td>
<td>Website Testing, Forms &amp; JavaScript Basics</td>
<td>Concept Diary</td>
</tr>
<tr>
<td>7</td>
<td>Browser Scripting with JavaScript</td>
<td>Concept Diary; Assignment 1 due Week 7 (Monday 6pm)</td>
</tr>
<tr>
<td>8</td>
<td>Document Object Model &amp; Web Servers</td>
<td>Concept Diary</td>
</tr>
<tr>
<td>9</td>
<td>Server-side Scripting with ColdFusion</td>
<td>Concept Diary; Work Requirement 3 due Week 9</td>
</tr>
<tr>
<td>10</td>
<td>Structured Query Language &amp; Forms Data</td>
<td>Concept Diary</td>
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<tr>
<td>11</td>
<td>Form Validation, File Manipulation &amp; AJAX</td>
<td>Concept Diary; Work Requirement 4 due week 11</td>
</tr>
<tr>
<td>12</td>
<td>Web Hosting, Search Engine Optimisation &amp; Publishing</td>
<td>Assignment 2 due week 12 (Friday 6pm)</td>
</tr>
<tr>
<td></td>
<td>SWOT VAC</td>
<td>No formal assessment is undertaken in SWOT VAC</td>
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<tr>
<td></td>
<td>Examination period</td>
<td>LINK to Assessment Policy:</td>
</tr>
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Assessment Requirements

Assessment Policy

Faculty Policy - Unit Assessment Hurdles (http://www.infotech.monash.edu.au/resources/staff/edgov/policies/assessment-examinations/unit-assessment-hurdles.html)

Assessment Tasks

Participation

Assignment 2 and Work Requirement 3 are conducted as group assessment tasks.

Due to the nature of group work in this subject, students are expected to attend at least 80% of classes.

- Assessment task 1

  Title: HTML/CSS Website
  Description: A 5-page informational website designed to W3C standards. To be undertaken individually.
  Weighting: 20%
  Criteria for assessment:
  - Site aims
    - Definition of target audience
    - Statement of site and user goals
    - Suitability to target audience
  - Technical criteria
    - XHTML validation using the W3C validator
    - Appropriateness of XHTML structure
    - Application of CSS
    - Degradability of CSS
    - File naming and arrangement
    - Adaptability to various screen sizes
    - Cross-browser compatibility
  - Visual design
    - Overall visual concept
    - Appropriate use of images in design
    - Layout of page elements
    - Use of conventions and metaphors
    - Branding (colours, logos, look & feel)
  - Information architecture
    - Overall site structure
Assessment Requirements

♦ Clear content hierarchy
♦ Accessibility of navigation
♦ Readability of content
♦ Search engine optimisation

Due date:
Week 7 (Monday 6pm)

Remarks:
Submission by online upload.

• Assessment task 2

Title:
Group Project

Description:
A website for a fictional retail company, using server-side scripting to display products information stored in a database. To be undertaken in a groups of two students, with each member taking a specific role in development.

Weighting:
20%

Criteria for assessment:
The final mark you receive will consist of:

♦ An overall shared group mark (50%)
♦ An individual mark based on your assigned development roles (50%)

Business management

♦ Overall information structure
♦ Organisation of files
♦ Text content accuracy and proof-reading
♦ Image content quality and suitability
♦ Overall site accessibility

Graphic design

♦ Overall design concept
♦ Company branding and logo design
♦ Page layout design
♦ Formatting using CSS
♦ Typography design

IT management

♦ Retrieval and display of products table
♦ Additional ColdFusion functionality
♦ Application of JavaScript functionality
♦ User input validation for forms
♦ HTML validation to W3C standards

Due date:
Week 12 (Friday 6pm)

Remarks:
Submission by online upload.
Assessment Requirements

• **Assessment task 3**

  **Title:**
  Work Requirements

  **Description:**
  There will be 4 minor work requirement tasks, due at various times throughout the semester.

  **Weighting:**
  40% (5%, 10%, 15%, 10%)

  **Criteria for assessment:**
  Regular work requirement tasks will be used to test students’ understanding of concepts throughout the semester:
  ♦ Correct application of semantic HTML structure
  ♦ Application of CSS and images
  ♦ Website planning documentation (group work)
  ♦ Application of client-side and server-side scripting

  **Due date:**
  Weeks 3, 5, 9 and 11

  **Remarks:**
  Some tasks will be submitted by demonstration during tutorial sessions. Failure to demonstrate your work during the timetabled tutorial sessions may incur a penalty for late submission.

• **Assessment task 4**

  **Title:**
  Concept Diary

  **Description:**
  Each week students will complete an online diary entry relevant to the current topic.

  Entries may be in the form of:
  ♦ Short research reports
  ♦ Analysis of specific websites
  ♦ Online quizzes

  **Weighting:**
  20% (10 x 2%)

  **Criteria for assessment:**
  Each diary entry will be assessed for:
  ♦ Relevance of research
  ♦ Ability to express concepts
  ♦ Correctness of quiz responses
  ♦ Timely submission of each week’s entry

  **Due date:**
  Weeks 2-11

Examinations
Assignment submission

It is a University requirement (http://www.policy.monash.edu/policy-bank/academic/education/conduct/plagiarism-procedures.html) for students to submit an assignment coversheet for each assessment item. Faculty Assignment coversheets can be found at http://www.infotech.monash.edu.au/resources/student/forms/. Please check with your Lecturer on the submission method for your assignment coversheet (e.g. attach a file to the online assignment submission, hand-in a hard copy, or use an online quiz).

Online submission

If Electronic Submission has been approved for your unit, please submit your work via the VLE site for this unit, which you can access via links in the my.monash portal.

Extensions and penalties

Submission must be made by the due date otherwise penalties will be enforced.


Returning assignments

Students can expect assignments to be returned within two weeks of the submission date or after receipt, whichever is later.

Referencing requirements

For all assessment in this unit, any material that is not the student's own original work must be referenced. This includes (but is not limited to) use of the following:

- Text content
- Image, audio, video or other rich-media content
- Scripting code and document markup
- Template resources for content, code or other media
Other Information

Policies

Monash has educational policies, procedures and guidelines, which are designed to ensure that staff and students are aware of the University’s academic standards, and to provide advice on how they might uphold them. You can find Monash's Education Policies at: http://policy.monash.edu.au/policy-bank/academic/education/index.html

Key educational policies include:

- Plagiarism  
  (http://www.policy.monash.edu/policy-bank/academic/education/conduct/plagiarism-policy.html)
- Assessment  
- Special Consideration  
  (http://www.policy.monash.edu/policy-bank/academic/education/assessment/special-consideration-policy.html)
- Grading Scale  
  (http://www.policy.monash.edu/policy-bank/academic/education/assessment/grading-scale-policy.html)
- Discipline: Student Policy  
  (http://www.policy.monash.edu/policy-bank/academic/education/conduct/student-discipline-policy.html)
- Academic Calendar and Semesters (http://www.monash.edu.au/students/key-dates/)
- Orientation and Transition (http://www.infotech.monash.edu.au/resources/student/orientation/)
- Academic and Administrative Complaints and Grievances Policy  
  (http://www.policy.monash.edu/policy-bank/academic/education/management/complaints-grievance-policy.html)
- Codes of Practice for Teaching and Learning  

Student services

The University provides many different kinds of support services for you. Contact your tutor if you need advice and see the range of services available at www.monash.edu.au/students. For Sunway see http://www.monash.edu.my/Student-services, and for South Africa see http://www.monash.ac.za/current/

The Monash University Library provides a range of services and resources that enable you to save time and be more effective in your learning and research. Go to http://www.lib.monash.edu.au or the library tab in my.monash portal for more information. At Sunway, visit the Library and Learning Commons at http://www.lib.monash.edu.my/. At South Africa visit http://www.lib.monash.ac.za/.

Academic support services may be available for students who have a disability or medical condition. Registration with the Disability Liaison Unit is required. Further information is available as follows:

- Website: http://monash.edu/equity-diversity/disability/index.html
- Email: dlu@monash.edu
- Drop In: Equity and Diversity Centre, Level 1 Gallery Building (Building 55), Monash University, Clayton Campus, or Student Community Services Department, Level 2, Building 2, Monash University, Sunway Campus
- Telephone: 03 9905 5704, or contact the Student Advisor, Student Community Services at 03 55146018 at Sunway