

**Business Web Technologies (BWT300)**

**Unit Outline Semester 1, 2009**

<b>Unit Index Number</b>	305475
<b>Hours per Week</b>	4 hours
<b>Weekly Tuition Pattern</b>	2 hour seminar, and 2 hour laboratory
<b>Credit Value</b>	25 credits
<b>Pre-requisites</b>	Business Application Development 301 Database 200
<b>Unit Coordinator</b>	Don Griffiths
<b>Unit Coordinator's office</b>	408-3014
<b>Unit Coordinator's email</b>	don.griffiths @cbs.curtin.edu.au
<b>Contact Telephone Numbers</b>	9266 7691
<b>School Telephone &amp; Fax Numbers</b>	9266 7685 (tel) or 9266 3076 (fax)
<b>Website for Unit Materials</b>	FLECS/Blackboard <a href="http://oasis.curtin.edu.au">http://oasis.curtin.edu.au</a>
<b>Faculty or School Website</b>	<a href="http://www.business.curtin.edu.au/business/teaching-areas/information-systems">http://www.business.curtin.edu.au/business/teaching-areas/information-systems</a>
<b>Student Consultation Times</b>	Available from the school office

**GENERAL INFORMATION**

It is the responsibility of every student to be aware of all relevant legislation, policies and procedures relating to their rights and responsibilities as a student.

See <http://students.curtin.edu.au/rights> for comprehensive information on all of the above.

GENERAL INFORMATION .....	1
UNIT INFORMATION .....	3
1. Aims.....	3
2. Outcomes .....	3
3. Syllabus .....	4
4. Learning Resources .....	4
5. Timetable of Classes .....	5
6. Program .....	5
7. Assessment.....	6
7.3 Referencing Style .....	7
7.4 Assignment Marking Guide.....	7
7.5 Plagiarism.....	7
7.6 Plagiarism Monitoring .....	7
7.7 Fair assessment through moderation.....	7
7.8 Assessment Compliance Information.....	7
7.9 Penalty for Late Submission of Assessments.....	7
7.10 Relationship of Assessment Activities to Learning Outcomes and Professional Skills .....	8
8. Student's Rights and Responsibilities .....	8
9. Additional Information .....	9
Undergraduate Supplementary and Deferred Examinations .....	9
Postgraduate Deferred Examinations .....	9
10. Recent unit changes .....	9

## UNIT INFORMATION

### 1. Aims

The aims of this unit are to:

1. Introduce web based application development
2. Acquire web development skills
3. Build an understanding of web application architectures

### 2. Outcomes

#### 2.1 *Learning Outcomes*

On successful completion of this unit, students should be able to:

1. Develop and apply web application technologies
2. Demonstrate professional skills within a web development environment
3. Assess, select and apply web application development skills within a business context
4. Access and explain the organization of code libraries
5. Recognise and evaluate alternative web development technologies

#### 2.2 *Graduate Attributes and Professional Skills Outcomes*

Employers worldwide want graduates who have developed effective professional skills and attributes. The CBS graduate attributes and professional skills program includes communication (writing, interpersonal interactions and cultural awareness, and presenting), critical and creative thinking (problem solving and decision making), team work, IT literacy, information literacy, international perspectives and life-long learning.

On successful completion of this unit, students should be able to:

1. Express ideas and opinions clearly and confidently.
2. Listen actively and seek clarification.
3. Apply creative and critical thinking.
4. Evaluate possible solutions and justify the decision using logical argument.

### 3. Syllabus

The study of Web application development, examine web technologies, alternate web development methodologies and evaluate various code libraries and tools.

### 4. Learning Resources

#### 4.1 Texts

You will need to purchase the following textbooks in order to complete this unit

Carey, P. 2006. *HTML, XHTML and Dynamic HTML 3<sup>rd</sup> Ed.* Boston: Thompson Course Technology

Ford, J.L. 2009. *Ajax programming for the absolute Beginner*, Boston: Thompson Course Technology

#### 4.2 Recommended Texts

#### 4.3 References

In addition to the set textbook(s) the following references will be useful:

Carey, P., and F. Canovatchel. 2005. *New Perspectives on Javascript*. Australia: Thomson/Course Technology, c2005.

Eichorn, J. 2007. *Understanding Ajax*. Englewood Cliffs: Prentice Hall.

Felke-Morris, T., and T. Morris. 2009. *Web Development & Design Foundations with Xhtml*. San Francisco: Pearson Addison Wesley.

Gosselin, D. 2007. *Javascript*. Cambridge: Course Technology

Hoffman, B., and B. Sullivan. 2007. *Ajax Security*. Reading: Addison-Wesley Professional.

Kalata, K., 2007. *Introduction to Asp 2005*. Cambridge: Course Technology.

Macdonald, M., and J. Templeman. 2006. *Beginning Asp. Net 2.0 in C# 2005*. Berkeley: APress.

McClure, W.B., S. Cate, P. Glavich and C. Shoemaker. 2006. *Beginning Ajax with Asp. Net*. Indianapolis: Wiley Publishing Inc.

Spaanjaars, I. 2008. *Beginning Asp. Net 3. 5 in C# and Vb*. New York: John Wiley.

Woychowsky, E. 2007. *Ajax*. Englewood Cliffs: Prentice Hall.

#### 4.4 Other Resources

Students should be proficient in the use of Visual Studio 2008. Microsoft provides a free Express edition of Visual Studio 2008 from <http://www.microsoft.com/express/>. Visual Web Developer and Visual C# would be required. Downloading the off-line DVD ISO image (~750 Mb) will provide you with all of the Express editions.

Most of the course material is available on Blackboard. You should make it a point to check the unit website regularly, in particular the announcements.

Some sites that may be of use are:

- <http://www.w3schools.com>
- <http://www.extropia.com/tutorials.html>
- <http://www.thesitewizard.com/>
- <http://www.alvit.de/handbook/>
- <http://www.codeproject.com/>
- <http://msdn.microsoft.com/en-au/asp.net/>
- <http://www.publicjoe.f9.co.uk/csharp/samples/ebook.html> Free C#, ASP.Net book chapters
- <http://www.javascriptkit.com/>
- <http://wiki.freaks-unidos.net/javascript-libraries>
- <http://developer.yahoo.com/yui/>
- <http://www.dojotoolkit.org/>
- <http://jquery.com/>
- <http://script.aculo.us/>
- <http://mochikit.com/about.html>

## 5. Timetable of Classes

Refer to “unit information” at <http://www.cbs.curtin.edu.au/students> for timetable updates <or document author can cut and paste the timetable in here>

## 6. Program

### Semester One

Week	Begin Date	Lecture/Seminar	Pre-readings	Tutorial/ Laboratory	Assessment Due
1.	23 Feb	Introduction, HTML	Carey 1,2	Carey 1,2	
2.	02 March	HTML	Carey 3,4	Carey 3,4	
3.	09 March	Forms, CSS	Carey 6,7	Carey 6,7	
4.	16 March	Multimedia, XHTML	Carey 8,9	Carey 8,9	
5.	23 March	Javascript	Carey 10,11	Carey 10,11	
6.	30 March	Javascript, DOM	Carey 12,13	Carey 12,13	
7.	06 - 10 April	Tuition Free Week			
8.	13 – 17 April	Tuition Free Week			
9.	20 April	Javascript, Forms, Events	Carey 14,15	Carey 14,15	Assignment One
10.	27 April	Javascript Dynamic content	Carey 16	Carey 16	
11.	04 May	Ajax	Ford 1-4	TBA	
12.	11 May	Ajax	Ford 5,6	TBA	
13.	18 May	Ajax	Ford 7,8	TBA	
14.	25 May	Ajax	Ford 9,10	TBA	Assignment Two
15.	01– 05 June	Study Week			
16.	08 – 12 June	Exams Week 1			
17.	15 – 19 June	Exams Week 2			

## 7. Assessment

### 7.1 Summary

To pass this unit you must:

- a) Receive an overall grade of 5 or above and a mark greater than or equal to 50, AND
- b) Submit all assessment activities, AND
- c) Pass the exam

No.	Assessment Activity	Percentage %
1	Assignment One	25%
2	Assignment Two	25%
3	Exam	50%
	Total	100%

The assessments are due as per the Program above.

### 7.2 Assessment Details

#### 7.2.1 Assignment 1 & 2

Soft copy on a CD/DVD-R/RW as well as the printed assignment must be submitted. Only the printed assignment will be returned.

All assignments should be placed in the appropriately labelled **SCHOOL OF INFORMATION SYSTEMS ASSIGNMENT BOXES**, which are located on Level 3, Building 408. Late assignments must be put in the **LATE ASSIGNMENT BOX** at the same location.

Assignment 1 will be handed back during scheduled classes. Assignments will NOT be available for collection from staff or the school office at times outside of class.

As your Assignment 2 will be assessed after the completion of formal classes, you may provide a stamped self-addressed A4 envelope to enable us to return your assignment to you through the post. You will need to supply the stamped self addressed envelope if you want your work returned. If you do not, your assignment will be destroyed after your assignment has been assessed. It will not be held for collection at some later date. Final assignment will NOT be available from the School Office.

If, in special circumstances, you are unable to collect your assignment or to provide a self-addressed envelope, and you wish another student to collect it for you, you must provide a letter of authorisation to that student. This letter must include your student ID number.

#### 7.2.2 Examination

The final examination will be scheduled during the exam period at the end of semester. It will be two hours long plus 10 minutes for reading. It will be closed book exam. More details about the exam format will be given in the last lecture. Exam Hints will be given during Lectures throughout semester. **Note:** *No exam details will be given outside of Lectures so as not to disadvantage the majority of students.*

### **7.3 Referencing Style**

Students should use the [insert preferred referencing style here] referencing style when preparing assignments. More information can be found on this style from the Library web site: [http://library.curtin.edu.au/research\\_and\\_information\\_skills/referencing](http://library.curtin.edu.au/research_and_information_skills/referencing)

### **7.4 Assignment Marking Guide**

This is the first run of this subject and no previous marking guides are available

### **7.5 Plagiarism**

Plagiarism occurs when work or property of another person is presented as one's own, without appropriate acknowledgement or referencing. Plagiarism is a serious offence. For more information refer to <http://academicintegrity.curtin.edu.au>

### **7.6 Plagiarism Monitoring**

Some (or all) assessments in this unit will be monitored for plagiarism using Turnitin plagiarism detection service (see <http://turnitin.com>). Students who do not want assignments retained in the Turnitin database, must lodge a special request prior to the submission date. For further advice see <http://academicintegrity.curtin.edu.au/studentsturnitin.html>.

### **7.7 Fair assessment through moderation**

Moderation describes a quality assurance process to ensure that assessments are appropriate to the learning outcomes, and that the student work is consistently evaluated by assessors. Minimum standard for the moderation of assessment are described in the Assessment Manual, available from: <http://policies.curtin.edu.au/policies/teachingandlearning.cfm>

### **7.8 Assessment Compliance Information**

Due dates will be strictly adhered to. Extensions will be granted only in cases of demonstrated urgent need. It is your responsibility to check the due date.

The Final Exam will be held during the formal examination period. It is the student's responsibility to check the date and time of the Final Exam on the Curtin website.

Official release results for this unit are published on Oasis on the Curtin website. <http://oasis.curtin.edu.au>

### **7.9 Penalty for Late Submission of Assessments**

If assignments are not submitted by the due date, a penalty of 5% per day will be deducted from the assessment mark and after seven (7) days a zero mark will be recorded.

It is the student's responsibility to keep appropriate copies/backups of every assignment submitted.

## 7.10 Relationship of Assessment Activities to Learning Outcomes and Professional Skills

This table illustrates how the assessment activities relate to the assessment of the learning outcomes and professional skills.

Outcomes Learning Outcomes	Assessment Activity		
	Assignment1	Assignment 2	Examination
1. Develop and apply web technologies application	✓	✓	
2. Demonstrate professional skills within a web development environment	✓	✓	
3. Assess, select and apply web application development skills within a business context		✓	✓
4. Access and explain the organization of code libraries		✓	✓
5. Recognise and evaluate alternative web development technologies		✓	✓
Professional Skills			
1. Express ideas and opinions clearly and confidently.	✓	✓	✓
2. Listen actively and seek clarification.	✓	✓	✓
3. Apply creative and critical thinking.	✓	✓	✓
4. Evaluate possible solutions and justify the decision using logical argument.	✓	✓	✓

## 8. Student's Rights and Responsibilities

It is the responsibility of every student to be aware of all relevant legislation, policies and procedures relating to their rights and responsibilities as a student. These include:

- the Student Charter,
- the University's Guiding Ethical Principles,
- the University's policy and statements on plagiarism and academic integrity,
- copyright principles and responsibilities,
- the University's policies on appropriate use of software and computer facilities,
- students' responsibility to check enrolment,
- deadlines, appeals, and grievance resolution,
- student feedback,
- other policies and procedures
- electronic communication with students

See <http://www.students.curtin.edu.au/rights> for comprehensive information on all of the above.

## 9. Additional Information

### Undergraduate Supplementary and Deferred Examinations

For more detailed information on Policies and Procedures relating to Examinations, students should refer to the WWW at: [http://examinations.curtin.edu.au/students/sup\\_exam.cfm#defer](http://examinations.curtin.edu.au/students/sup_exam.cfm#defer)  
If you are awarded a supplementary examination or apply for and are awarded a deferred examination at the end of first semester 2009 in this unit, then the supplementary/deferred examination for the School of Information Systems will normally be held in July 2009.

**A student who does not sit for a scheduled supplementary/deferred examination in a unit has no claim to a further examination and therefore will receive a FAIL GRADE in this unit.**

**Due to time constraints, NO supplementary and/or deferred examinations will be offered offshore for students studying on-campus at Curtin University (Western Australia) in Semester 1, 2009.**

**Note** - It is a student's responsibility to obtain all relevant information regarding these examinations and to be present at the correct time and venue.

### Postgraduate Deferred Examinations

For more detailed information on Policies and Procedures relating to Examinations, students should refer to the WWW at: [http://examinations.curtin.edu.au/students/sup\\_exam.cfm#defer](http://examinations.curtin.edu.au/students/sup_exam.cfm#defer)  
The Curtin Business School does not award supplementary examinations in postgraduate units. If you apply for and are awarded a deferred examination at the end of first semester 2009 in this unit, then the deferred examination for the School of Information Systems will normally be held in July 2009.

A student who does not sit for a scheduled **deferred** examination in a unit has no claim to a further examination and therefore will receive a FAIL GRADE in this unit.

Students at local centres other than the Bentley Campus are required to contact their centres for details of time and venue of the deferred examinations two weeks prior to the examinations.

**Due to time constraints, NO deferred examinations will be offered offshore for students studying on-campus at Curtin University (Western Australia) in Semester 1, 2009.**

**Note** - It is a student's responsibility to obtain all relevant information regarding these examinations and to be present at the correct time and venue.

## 10. Recent unit changes

We welcome feedback as one way to keep improving this unit. Students are encouraged to give unit feedback through **eVALUate**, Curtin's online feedback systems (see <http://evaluate.curtin.edu.au>)

Recent changes to this unit include:

This is a new unit.

## END OF UNIT INFORMATION