



**MONASH** University  
Information Technology

**FIT5032**  
**Internet applications development**

**Unit Guide**

**Semester 2, 2011**

The information contained in this unit guide is correct at time of publication. The University has the right to change any of the elements contained in this document at any time.

*Last updated: 22 Aug 2011*

# Table of Contents

<b><u>FIT5032 Internet applications development - Semester 2, 2011</u></b> .....	<b>1</b>
<u>Mode of Delivery</u> .....	1
<u>Contact Hours</u> .....	1
<u>Workload</u> .....	1
<u>Unit Relationships</u> .....	1
<u>Prohibitions</u> .....	1
<u>Prerequisites</u> .....	1
<u>Chief Examiner</u> .....	1
<u>Campus Lecturer</u> .....	1
<u>Caulfield</u> .....	1
<u>Tutors</u> .....	2
<u>Caulfield</u> .....	2
<b><u>Academic Overview</u></b> .....	<b>3</b>
<u>Learning Objectives</u> .....	3
<u>Graduate Attributes</u> .....	3
<u>Assessment Summary</u> .....	3
<u>Teaching Approach</u> .....	4
<u>Feedback</u> .....	4
<u>Our feedback to You</u> .....	4
<u>Your feedback to Us</u> .....	4
<u>Previous Student Evaluations of this unit</u> .....	4
<b><u>Unit Schedule</u></b> .....	<b>5</b>
<b><u>Assessment Requirements</u></b> .....	<b>6</b>
<u>Assessment Policy</u> .....	6
<u>Assessment Tasks</u> .....	6
<u>Participation</u> .....	6
<u>Examinations</u> .....	7
<u>Examination 1</u> .....	7
<u>Assignment submission</u> .....	7
<u>Extensions and penalties</u> .....	7
<u>Returning assignments</u> .....	8
<u>Resubmission of assignments</u> .....	8
<b><u>Other Information</u></b> .....	<b>9</b>
<u>Policies</u> .....	9
<u>Student services</u> .....	9

# **FIT5032 Internet applications development - Semester 2, 2011**

This unit has been designed to provide students with skills to develop Internet Applications with a focus on enabling web page functionality through scripting. The unit presents an overview of multi-tier web applications and the technologies that operate in different layers of typical web architectures. The unit teaches a range of web application development technologies focusing on state-of-the-art object oriented scripting languages for mobile and conventional web applications. Techniques for scripting on the client side (e.g. JavaScript) and scripting on the server side.

## **Mode of Delivery**

Caulfield (Evening)

## **Contact Hours**

2 hrs lectures/wk, 2 hrs laboratories/wk

## **Workload**

2 hour lecture per week

2 hour tutorial per week

and 8 hours personal study time per week in order to satisfy the work and assignment expectations.

## **Unit Relationships**

### **Prohibitions**

CPE5011, CPE4003

### **Prerequisites**

Recommended knowledge: It is assumed that all students have a strong knowledge of Java programming.

## **Chief Examiner**

Ms Janet Fraser

## **Campus Lecturer**

## **Caulfield**

Janet Fraser

## **Tutors**

### **Caulfield**

**Parisa Mahjoubi**

**Bin Wu**

**Mihir Mone**

**Jeffry Susanto**

# Academic Overview

## Learning Objectives

At the completion of this unit students will have -

- an understanding of web environments and their components;
- an understanding of the principles of object oriented scripting and the knowledge of the various uses to which scripting may be put;
- the knowledge and skills to implement web applications, in an applications development environment;
- an understanding of the principles of large scale, and small scale, web site development including an understanding of advanced design principles;
- an understanding of the uses of mark-up languages and meta-languages in structuring data, particularly in a web context;
- the knowledge and skills to implement web sites varying size and complexity, using XHTML, and XML;
- a professional attitude towards the development of web based information systems.

## 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:

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

## Assessment Summary

Examination (2 hours): 40%; In-semester assessment: 60%

<b>Assessment Task</b>	<b>Value</b>	<b>Due Date</b>
Assignment 1 - ASP.NET	15%	Friday 2 September 2011 at 2pm
Assignment 2 - ASP.NET	25%	Friday 7 October 2011 at 2pm
Assignment 3 - ASP.NET MVC	20%	Friday 21 October 2011 at 2pm
Examination 1	40%	To be advised

## 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 without comments

### 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.monash.edu.au/about/monash-directions/directions.html>

<http://www.policy.monash.edu/policy-bank/academic/education/quality/student-evaluation-policy.html>

### Previous Student Evaluations of this unit

If you wish to view how previous students rated this unit, please go to

<https://emuapps.monash.edu.au/unitevaluations/index.jsp>

## Unit Schedule

Week	Activities	Assessment
0		No formal assessment or activities are undertaken in week 0
1	Web-database technologies, the historical development of dynamic web pages, the current state of play, web database interface processes. Introduction to/history of ASP.NET. software requirements, installation. Introduction to Visual Studio, creating a web site	
2	HTML forms limitation, ASP.NET Server Controls Part 1, event driven programming and postback. ASP.NET Server Controls Part 2, Microsoft ASP.NET Online Documentation	
3	Introduction to C#, data types, operators and language constructs	
4	Master Pages, Skins and Themes	
5	ASP.NET Server Controls Part 3, Validation, Navigation and Login controls	
6	Creating a simple MS Access database, ASP.NET Data Source controls - Access. Data controls, data source controls - user interaction	Assignment 1 due Friday 2 September 2011 at 2pm
7	Data source controls - manipulating data, GridView control - paging and sorting, GridView control - advanced sorting, customising the GridView control.	
8	Sending email, accessing web server file system, Uploading, Reading, Creating, Copying, Deleting files.	
9	Introduction to ASP.NET MVC	
10	Creation of a simple web site using ASP.NET MVC	Assignment 2 due Friday 7 October 2011 at 2pm
11	ASP.NET MVC extension material	
12	ASP.NET MVC extension material	Assignment 3 due Friday 21 October 2011 at 2pm
	SWOT VAC	No formal assessment is undertaken SWOT VAC
	Examination period	LINK to Assessment Policy: <a href="http://policy.monash.edu.au/policy-bank/academic/education/assessment/assessment-in-coursework-policy.html">http://policy.monash.edu.au/policy-bank/academic/education/assessment/assessment-in-coursework-policy.html</a>

\*Unit Schedule details will be maintained and communicated to you via your MUSO (Blackboard or Moodle) learning system.

# Assessment Requirements

## Assessment Policy

To pass a unit which includes an examination as part of the assessment a student must obtain:

- 40% or more in the unit's examination, and
- 40% or more in the unit's total non-examination assessment, and
- an overall unit mark of 50% or more.

If a student does not achieve 40% or more in the unit examination or the unit non-examination total assessment, and the total mark for the unit is greater than 50% then a mark of no greater than 49-N will be recorded for the unit

## Assessment Tasks

### Participation

#### • Assessment task 1

**Title:**

Assignment 1 - ASP.NET

**Description:**

ASP.NET web site for a fictitious company.

**Weighting:**

15%

**Criteria for assessment:**

Quality of completed work.

Confirm with Lecturer about specific location of marking guide available at <http://walkabout.infotech.monash.edu.au/walkabout/fit5032>

**Due date:**

Friday 2 September 2011 at 2pm

**Remarks:**

Assignment must be submitted to student server by due date and time.

#### • Assessment task 2

**Title:**

Assignment 2 - ASP.NET

**Description:**

ASP.NET web site for a fictitious company, which allows user registration login and searching.

**Weighting:**

25%

**Criteria for assessment:**

Quality of completed work.

Confirm with Lecturer about specific location of marking guide available at <http://walkabout.infotech.monash.edu.au/walkabout/fit5032>

**Due date:**

Friday 7 October 2011 at 2pm

**Remarks:**

Assignment must be submitted to student server by due date and time.

• **Assessment task 3**

**Title:**

Assignment 3 - ASP.NET MVC

**Description:**

ASP.NET MVC web site for a fictitious company.

**Weighting:**

20%

**Criteria for assessment:**

Quality of completed work.

Confirm with Lecturer about specific location of marking guide available at <http://walkabout.infotech.monash.edu.au/walkabout/fit5032>

**Due date:**

Friday 21 October 2011 at 2pm

**Remarks:**

Assignment must be submitted to student server by due date and time.

## Examinations

• **Examination 1**

**Weighting:**

40%

**Length:**

2 hours

**Type (open/closed book):**

Closed book

**Electronic devices allowed in the exam:**

None

## 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).

## Extensions and penalties

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

You must negotiate any extensions formally with your campus unit leader via the in-semester special consideration process:

<http://www.infotech.monash.edu.au/resources/student/equity/special-consideration.html>.

## **Returning assignments**

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

## **Resubmission of assignments**

Resubmission of assignments is not allowed

## 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  
(<http://www.policy.monash.edu/policy-bank/academic/education/assessment/assessment-in-coursework-p>)
- Special Consideration  
(<http://www.policy.monash.edu/policy-bank/academic/education/assessment/special-consideration-policy.h>)
- 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/>);  
and
- Academic and Administrative Complaints and Grievances Policy  
(<http://www.policy.monash.edu/policy-bank/academic/education/management/complaints-grievance-policy>)
- Codes of Practice for Teaching and Learning  
(<http://www.policy.monash.edu.au/policy-bank/academic/education/conduct/suppdocs/code-of-practice-tea>)

### 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](http://www.monash.edu.au/students). 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. Students who have a disability or medical condition are welcome to contact the Disability Liaison Unit to discuss academic support services. Disability Liaison Officers (DLOs) visit all Victorian campuses on a regular basis

- Website: <http://adm.monash.edu/sss/equity-diversity/disability-liaison/index.html>;
- Telephone: 03 9905 5704 to book an appointment with a DLO;
- Email: [dlu@monash.edu](mailto:dlu@monash.edu)
- Drop In: Equity and Diversity Centre, Level 1 Gallery Building (Building 55), Monash University, Clayton Campus.