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**FIT5077 e-Business application and development - Semester 1, 2012**

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FIT5077 e-Business application and development - Semester 1, 2012

This unit extends students knowledge and skills to make use of current technologies in developing business applications on the internet platform. The unit provides an opportunity for students to explore net centric computing focusing on business applications development. The unit has been designed to equip future web application developers and managers of business solutions. Thus practical exercises will be illustrative with industrial strength and technology issues will be given equal coverage with technology details. The primary aim of the unit is to familiarise students with the currently popular web technologies so that their design and implementation decisions in the future will be informed and therefore produce successful systems with a high degree of probability. Topics coverage include data and messages using XML, architecture, scripting and programming in .NET platform.

Mode of Delivery

Caulfield (Evening)

Contact Hours

2 hrs lectures/wk, 1 hr laboratory/wk

Workload

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

- two-hour lecture and
- one-hour tutorial (or laboratory) (requiring advance preparation)
- and up to an additional 9 hours in some weeks for completing lab and project work, private study, revision, reading and assignment expectations.

Off-campus students generally do not attend lecture and tutorial sessions, however, you should plan to spend equivalent time working through the relevant resources and participating in discussion groups each week.

Unit Relationships

Prohibitions

BUS5960

Prerequisites

(FIT9004 or FIT9017) and (FIT9003 or FIT9019)
Chief Examiner

Ms Janet Fraser

Campus Lecturer

Caulfield

Michael Smith

Consultation hours: To be advised
Academic Overview

Outcomes

At the completion of this unit students will:

- understand the concept of revenue modelling in eBusiness context;
- understand OOP as principles of component based software systems;
- appreciate technology architecture that underpin the deployment of e-business systems, including data formats and various programming solutions;
- appreciate the use of the internet for commercial purposes;
- realise the challenges in the planning stage of an e-business venture;
- realise the challenges in the implementation stage of an e-business venture;
- appreciate the dynamics of the e-business modelling;
- appreciate the rapid advancement of enabling technologies and its impact on e-business implementation;
- be able to identify and communicate issues in the planning, implementation and management of the e-business system;
- be able to adopt object-oriented paradigm and implement e-business solutions using the three tier architecture;
- be able to implement simple e-business applications for displaying catalogs and processing transactions;
- be able to experiment with various technologies in the design and implementation of e-business applications;
- understand the various roles of e-business professionals (analysts, designers, systems developers, programmers) and how they work together in the current e-business context.

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

<table>
<thead>
<tr>
<th>Assessment Task</th>
<th>Value</th>
<th>Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assignment 1 - Research Paper</td>
<td>15%</td>
<td>Week 6 - due date and submission requirements will be advised in assignment specification</td>
</tr>
</tbody>
</table>
Assignment 2 - Program Implementation 25% Week 12 - due date and submission requirements will be advised in assignment specification

Examination 1 60% 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:

• Graded assignments with 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.policy.monash.edu/policy-bank/academic/education/quality/student-evaluation-policy.html

Previous Student Evaluations of this unit

Over the past two years in which the unit has been running at Caulfield campus, students have reported an overall satisfaction with the content and presentation of the unit's material.

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

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.

Microsoft Visual Studio 2010

Microsoft IIS version 5 or above
## Unit Schedule

<table>
<thead>
<tr>
<th>Week</th>
<th>Activities</th>
<th>Assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
<td>No formal assessment or activities are undertaken in week 0.</td>
</tr>
<tr>
<td>1</td>
<td>Introduction to e-Business - Trends and Implications</td>
<td></td>
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<tr>
<td>2</td>
<td>e-Business Strategy</td>
<td></td>
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<tr>
<td>3</td>
<td>Designing an e-Business Solution</td>
<td></td>
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<tr>
<td>4</td>
<td>e-Business Implementation Technologies</td>
<td></td>
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<tr>
<td>5</td>
<td>Server Side Technologies I</td>
<td></td>
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<tr>
<td>6</td>
<td>Server Side Technologies II</td>
<td>Assignment 1 due</td>
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<tr>
<td>7</td>
<td>Server Side Technologies III</td>
<td></td>
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<tr>
<td>8</td>
<td>Server Side Technologies IV</td>
<td></td>
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<td>9</td>
<td>Cascading Style Sheets</td>
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<td>10</td>
<td>Web Services</td>
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<td>11</td>
<td>Navigation with Sitemaps</td>
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<tr>
<td>12</td>
<td>Research and Development</td>
<td>Assignment 2 due</td>
</tr>
<tr>
<td></td>
<td>SWOT VAC</td>
<td>No formal assessment is undertaken SWOT VAC</td>
</tr>
<tr>
<td></td>
<td>Examination period</td>
<td>LINK to Assessment Policy:</td>
</tr>
</tbody>
</table>

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

Assessment Policy

Faculty Policy - Unit Assessment Hurdles

Assessment Tasks

Participation

• Assessment task 1
  
  **Title:**
  Assignment 1 - Research Paper
  
  **Description:**
  This is a written research paper on a specified topic. Details of the topic(s) will be available on release of assignment specification.
  
  **Weighting:**
  15%
  
  **Criteria for assessment:**
  - English expression and style
  - Completeness of the study (adequate coverage of the task stated in the assignment specification)
  - Quality of research conducted (the investigated depth and breadth of each focus area)
  - Quality of sources (case studies, technical articles, journal papers)
  - Appropriate structure: a sound and logical flow from topic to topic is very important; use subheadings if necessary.
  - Opinions expressed
  - Completeness of reference list for papers/texts cited in the report
  
  **Due date:**
  Week 6 - due date and submission requirements will be advised in assignment specification

• Assessment task 2
  
  **Title:**
  Assignment 2 - Program Implementation
  
  **Description:**
  This assignment is a practical programming assignment implemented using ASP.NET. Details will be available on release of assignment specification.
  
  **Weighting:**
  25%
  
  **Criteria for assessment:**
  Assessment will be by interview following the assignment submission. The times, dates and location of the interviews will be arranged in the final tutorial of the semester.
Assessment Requirements

Further details of the assessment criteria will be released with the assignment specification.

Due date:
Week 12 - due date and submission requirements will be advised in assignment specification

Examinations

- Examination 1

  Weighting:
  60%

  Length:
  3 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).

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.
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)
- 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/);
and
- Codes of Practice for Teaching and Learning (http://www.policy.monash.edu/policy-bank/academic/education/conduct/suppdocs/code-of-practice-teaching-and-learning.html)

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
Reading list

- Matthew MacDonald, Beginning ASP.NET 3.5 in C# 2008: From Novice to Professional (Available as an electronic resource)