FIT5077
e-Business application and development

Unit Guide

Semester 1, 2010

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.

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# FIT5077 e-Business application and development - Semester 1, 2010

**Chief Examiner:**

**Lecturer(s) / Leader(s):**

- Caulfield
- Gippsland

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FIT5077 e-Business application and development - Semester 1, 2010

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None provided

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Introduction

Welcome to FIT5077 -E-Business Application and Development for semester 1, 2010. This is a 6 point unit available to all postgraduate degree programs in the Faculty of IT.

Unit synopsis

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.

Learning 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.

Contact hours

2 hrs lectures/wk, 1 hr laboratory/wk

Workload

Workload commitments are:
two-hour lecture and
* one-hour tutorial (or laboratory) (requiring advance preparation)
* a minimum of 2-3 hours of personal study per one hour of contact time in order to satisfy the reading and assignment expectations.

You will need to allocate up to 5 hours per week in some weeks, for use of a computer, including time for newsgroups/discussion groups.

**Unit relationships**

**Prerequisites**

For MAIT students: FIT9017, FIT9019 and FIT9030
For all other students: FIT9003 and FIT9004

**Prohibitions**

BUS5960
Teaching and learning method

Teaching approach

This unit is delivered both on-campus and off-campus

Timetable information

For information on timetabling for on-campus classes please refer to MUTTS, http://mutts.monash.edu.au/MUTTS/

Tutorial allocation

On-campus students should register for tutorials/laboratories using the Allocate+ system: http://allocate.its.monash.edu.au/

Off-Campus Learning or flexible delivery

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

Unit Schedule

<table>
<thead>
<tr>
<th>Week</th>
<th>Date*</th>
<th>Topic</th>
<th>Key dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>01/03/10</td>
<td>Introduction to e-Business - Trends and Implications</td>
<td>Lecture 1</td>
</tr>
<tr>
<td>2</td>
<td>08/03/10</td>
<td>e-Business Strategy</td>
<td>Lecture 2</td>
</tr>
<tr>
<td>3</td>
<td>15/03/10</td>
<td>Designing an e-Business Solution</td>
<td>Lecture 3</td>
</tr>
<tr>
<td>4</td>
<td>22/03/10</td>
<td>e-Business Implementation Technologies</td>
<td>Lecture 4</td>
</tr>
<tr>
<td>5</td>
<td>29/03/10</td>
<td>Server Side Technologies I</td>
<td>Lecture 5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mid semester break</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>12/04/10</td>
<td>Server Side Technologies II</td>
<td>Lecture 6</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Assignment 1 due</td>
</tr>
<tr>
<td>7</td>
<td>19/04/10</td>
<td>Server Side Technologies III</td>
<td>Lecture 7</td>
</tr>
<tr>
<td>8</td>
<td>26/04/10</td>
<td>Client Side Technologies I</td>
<td>Lecture 8</td>
</tr>
<tr>
<td>9</td>
<td>03/05/10</td>
<td>Client Side Technologies II</td>
<td>Lecture 9</td>
</tr>
<tr>
<td>10</td>
<td>10/05/10</td>
<td>Client Side Technologies III</td>
<td>Lecture 10</td>
</tr>
<tr>
<td>11</td>
<td>17/05/10</td>
<td>Web Services in e-Business</td>
<td>Lecture 11</td>
</tr>
<tr>
<td>12</td>
<td>24/05/10</td>
<td>Emerging Technologies</td>
<td>Lecture 12</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Assignment 2 due</td>
</tr>
<tr>
<td>13</td>
<td>31/05/10</td>
<td>Revision</td>
<td>Lecture 13</td>
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</tbody>
</table>
*Please note that these dates may only apply to Australian campuses of Monash University. Off-shore students need to check the dates with their unit leader.
Unit Resources

Prescribed text(s) and readings

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

Text books are available from the Monash University Book Shops. Availability from other suppliers cannot be assured. The Bookshop orders texts in specifically for this unit. You are advised to purchase your text book early.

Recommended text(s) and readings

- Randy Connolly, Core Internet Application Development with ASP.NET 2.0, Prentice Hall, 2007
- Cristian Darie and Karli Watson,Beginning ASP.NET 2.0 E-Commerce in C# 2005: From Novice to Professional , APress, 2005

Required software and/or hardware

Microsoft Visual Studio 2008
Microsoft IIS version 5 or above

Equipment and consumables required or provided

Students studying off-campus are required to have the minimum system configuration specified by the Faculty as a condition of accepting admission, and regular Internet access. On-campus students, and those studying at supported study locations may use the facilities available in the computing labs. Information about computer use for students is available from the ITS Student Resource Guide in the Monash University Handbook. You will need to allocate up to 5 hours per week for use of a computer, including time for newsgroups/discussion groups.

Study resources

Study resources we will provide for your study are:

* Weekly detailed lecture notes outlining the learning objectives and required readings.
* Weekly tutorial or laboratory tasks and exercises.
* Assignment specifications.
* A sample examination.
* This Unit Guide outlining the administrative information for the unit;
* The unit web site on MUSO, where resources outlined above will be made available.
Assessment

Overview

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

Faculty 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.

Assignment tasks

Assignment coversheets

Assignment coversheets are available via "Student Forms" on the Faculty website: http://www.infotech.monash.edu.au/resources/student/forms/

You MUST submit a completed coversheet with all assignments, ensuring that the plagiarism declaration section is signed.

Assignment submission and return procedures, and assessment criteria will be specified with each assignment.

- Assignment task 1
  
  Title: Assignment 1
  
  Description: Details will be available on release of assignment specification.
  
  Weighting: 15%
  
  Due date: Week 6 - due date and submission requirements will be advised in assignment specification

- Assignment task 2
  
  Title: Assignment 2
  
  Description: Details will be available on release of assignment specification.
  
  Weighting: 25%
  
  Due date: 
Week 12 - due date and submission requirements will be advised in assignment specification

Examination

- **Weighting:** 60%
  - **Length:** 3 hours
  - **Type (open/closed book):** Closed book

See Appendix for End of semester special consideration / deferred exams process.

Due dates and extensions

Please make every effort to submit work by the due dates. It is your responsibility to structure your study program around assignment deadlines, family, work and other commitments. Factors such as normal work pressures, vacations, etc. are not regarded as appropriate reasons for granting extensions. Students are advised to NOT assume that granting of an extension is a matter of course.

Students requesting an extension for any assessment during semester (eg. Assignments, tests or presentations) are required to submit a Special Consideration application form (in-semester exam/assessment task), along with original copies of supporting documentation, directly to their lecturer within two working days before the assessment submission deadline. Lecturers will provide specific outcomes directly to students via email within 2 working days. The lecturer reserves the right to refuse late applications.

A copy of the email or other written communication of an extension must be attached to the assignment submission.

Refer to the Faculty Special consideration webpage or further details and to access application forms: http://www.infotech.monash.edu.au/resources/student/equity/special-consideration.html

Late assignment

Assignments received after the due date will be subject to a penalty of 10% per day, including weekends. Assignments received later than one week (seven days) after the due date will not normally be accepted.

Return dates

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

Please visit the following URL: http://www.infotech.monash.edu.au/units/appendix.html for further information about:

- Continuous improvement
- Unit evaluations
- Communication, participation and feedback
- Library access
- Monash University Studies Online (MUSO)
- Plagiarism, cheating and collusion
- Register of counselling about plagiarism
- Non-discriminatory language
- Students with disability
- End of semester special consideration / deferred exams