FIT5077
e-Business application and development

Unit Guide

Semester 1, 2013

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: 04 Mar 2013
Table of Contents

FIT5077 e-Business application and development - Semester 1, 2013

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mode of Delivery</td>
<td>1</td>
</tr>
<tr>
<td>Contact Hours</td>
<td>1</td>
</tr>
<tr>
<td>Workload requirements</td>
<td>1</td>
</tr>
<tr>
<td>Unit Relationships</td>
<td>1</td>
</tr>
<tr>
<td>Prohibitions</td>
<td>1</td>
</tr>
<tr>
<td>Prerequisites</td>
<td>1</td>
</tr>
<tr>
<td>Chief Examiner</td>
<td>2</td>
</tr>
<tr>
<td>Campus Lecturer</td>
<td>2</td>
</tr>
<tr>
<td>Caulfield</td>
<td>2</td>
</tr>
<tr>
<td>Gippsland</td>
<td>2</td>
</tr>
<tr>
<td>Academic Overview</td>
<td>3</td>
</tr>
<tr>
<td>Learning Outcomes</td>
<td>3</td>
</tr>
<tr>
<td>Unit Schedule</td>
<td>4</td>
</tr>
<tr>
<td>Assessment Summary</td>
<td>4</td>
</tr>
<tr>
<td>Teaching Approach</td>
<td>4</td>
</tr>
<tr>
<td>Assessment Requirements</td>
<td>5</td>
</tr>
<tr>
<td>Assessment Policy</td>
<td>5</td>
</tr>
<tr>
<td>Assessment Tasks</td>
<td>5</td>
</tr>
<tr>
<td>Participation</td>
<td>5</td>
</tr>
<tr>
<td>Examinations</td>
<td>6</td>
</tr>
<tr>
<td>Examination 1</td>
<td>6</td>
</tr>
<tr>
<td>Learning resources</td>
<td>6</td>
</tr>
<tr>
<td>Reading list</td>
<td>6</td>
</tr>
<tr>
<td>Feedback to you</td>
<td>6</td>
</tr>
<tr>
<td>Extensions and penalties</td>
<td>7</td>
</tr>
<tr>
<td>Returning assignments</td>
<td>7</td>
</tr>
<tr>
<td>Assignment submission</td>
<td>7</td>
</tr>
<tr>
<td>Online submission</td>
<td>7</td>
</tr>
<tr>
<td>Required Resources</td>
<td>7</td>
</tr>
<tr>
<td>Other Information</td>
<td>8</td>
</tr>
<tr>
<td>Policies</td>
<td>8</td>
</tr>
<tr>
<td>Graduate Attributes Policy</td>
<td>8</td>
</tr>
<tr>
<td>Student services</td>
<td>8</td>
</tr>
<tr>
<td>Monash University Library</td>
<td>8</td>
</tr>
<tr>
<td>Disability Liaison Unit</td>
<td>9</td>
</tr>
<tr>
<td>Your feedback to Us</td>
<td>9</td>
</tr>
<tr>
<td>Previous Student Evaluations of this Unit</td>
<td>9</td>
</tr>
</tbody>
</table>
FIT5077 e-Business application and development - Semester 1, 2013

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 (Day)
- Gippsland (Off-campus)

Contact Hours

2 hrs lectures/wk, 2 hr laboratory/wk

Workload requirements

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, FIT5032

Prerequisites

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

Ms Janet Fraser

Campus Lecturer

Caulfield

Dr Ariel Liebman

Consultation hours: To be announced

Gippsland

Dr Ariel Liebman

Consultation hours: To be announced
Academic Overview

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.
## 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>Introduction to e-Business - Trends and Implications</td>
<td></td>
</tr>
<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>
</tr>
<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>
</tr>
<tr>
<td>6</td>
<td>Server Side Technologies II</td>
<td>Assignment 1 due</td>
</tr>
<tr>
<td>7</td>
<td>Server Side Technologies III</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Server Side Technologies IV</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Cascading Style Sheets</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Web Services</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Navigation with Sitemaps</td>
<td></td>
</tr>
<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 in SWOT VAC</td>
</tr>
</tbody>
</table>

*Unit Schedule details will be maintained and communicated to you via your learning system.

## 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</td>
</tr>
<tr>
<td>Assignment 2 - Program Implementation</td>
<td>25%</td>
<td>Week 12</td>
</tr>
<tr>
<td>Examination 1</td>
<td>60%</td>
<td>To be advised</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.
Assessment Requirements

Assessment Policy

Faculty Policy - Unit Assessment Hurdles

Academic Integrity - Please see the Demystifying Citing and Referencing tutorial at http://lib.monash.edu/tutorials/citing/

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 the assignment specification.
  Weighting: 15%
  Criteria for assessment:
  ♦ English expression and style
  ♦ Completeness of the study (adequate coverage of the task state din 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

  Further details of the assessment criteria will be released with the assignment specification.
  Due date: Week 6
  Remarks: Due date and submission requirements will be advised in the 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 the assignment specification.
  Weighting: 25%
Assessment Requirements

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.

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

Due date:

Week 12

Remarks:

Due date and submission requirements will be advised in the assignment specification.

Examinations

• Examination 1

  Weighting:
  60%

  Length:
  3 hours

  Type (open/closed book):
  Closed book

  Electronic devices allowed in the exam:
  None

Learning resources

Reading list

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

Monash Library Unit Reading List
http://readinglists.lib.monash.edu/index.html

Feedback to you

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

• Graded assignments with comments
**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.

**Assignment submission**

It is a University requirement [http://www.policy.monash.edu/policy-bank/academic/education/conduct/plagiarism-procedures.html](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/](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 learning system for this unit, which you can access via links in the my.monash portal.

**Required Resources**

Please check with your lecturer before purchasing any Required Resources. Limited copies of 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
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: www.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/dates/
- Orientation and Transition; http://intranet.monash.edu.au/infotech/resources/students/orientation/
- Graduate Attributes Policy http://www.policy.monash.edu/policy-bank/academic/education/management/monash-graduate-attributes-policy.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 http://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/.

Monash University Library

The Monash University Library provides a range of services, resources and programs that enable you to save time and be more effective in your learning and research. Go to 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/.
Other Information

**Disability Liaison Unit**

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://www.monash.edu/equity-diversity/disability/index.html
Telephone: 03 9905 5704 to book an appointment with a DLO; or contact the Student Advisor, Student Community Services at 03 55146018 at Sunway
Email: dlu@monash.edu
Drop In: Equity and Diversity Centre, Level 1, Building 55, Clayton Campus, or Student Community Services Department, Level 2, Building 2, Monash University, Sunway Campus

**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 the Student Evaluation of Teaching and Units (SETU) survey. 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, see:
www.monash.edu.au/about/monash-directions and on student evaluations, see:
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 https://emuapps.monash.edu.au/unitevaluations/index.jsp