



**MONASH** University

**FIT2013**  
**e-Business technologies**

**Unit guide**

**Semester 1, 2009**

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# **FIT2013 e-Business technologies - Semester 1, 2009**

## **Unit leader :**

Michael Smith

## **Lecturer(s) :**

### **Clayton**

- Michael Smith
- Judy Sheard

## **Tutors(s) :**

### **Clayton**

- Jan Miller

## **Introduction**

Welcome to FIT2013 e-Business Technologies for semester 1, 2009. This 6 point unit is core to the Bachelor of Business Information Systems degree in the Faculty of IT. The unit has been designed to extend your Object Oriented Programming skill and introduce you to the concepts and principles of component based software systems.

## **Unit synopsis**

ASCED Discipline Group Classification: 020305 Systems Analysis and Design.

This unit together with FIT3009 provides a top-to-bottom coverage of eBusiness Systems. The emphasis in this unit (FIT2013) is on the technologies used to implement eBusiness Systems i.e. the low level of such systems. The primary aim of the unit is to familiarise students with as many of the currently popular eBusiness technologies as possible so that their design and implementation decisions in the future will be informed.

Five aspects of eBusiness System technologies are dealt with namely, data, architecture, programming, implementation issues and standards. The unit includes a study of common technologies used to format data into messages. These messages are fundamental to eBusiness System transactions. Technologies for transporting, transforming and querying these messages are therefore also examined.

## **Learning outcomes**

- (a) To acquire the knowledge and understanding of message formatting, transforming and querying
- (b) To develop an appreciation that eBusiness Systems are better designed and managed using the right technologies and standards

(c) To develop skills in creating XML documents, schemas for these documents, transforming and querying such documents using fundamental XML skills

(d) To understand the concepts and principles of component based software systems in web environment (with tiered architecture).

## Workload

Workload commitments are:

- two-hour lecture and
- two-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

Before attempting this unit you must have satisfactorily completed

FIT1002 or BUS1060 or CSE1301, or equivalent.

### Relationships

FIT2013 is the second year compulsory unit in the Bachelor of Business Information Systems. This unit introduces students to the fundamental programming concept of object oriented and component based approaches using current technologies and standards. Together with FIT3009, the unit provides a top to bottom design of e-business systems.

## Continuous improvement

Monash is committed to 'Excellence in education' (Monash Directions 2025 - <http://www.monash.edu.au/about/monash-directions/directions.html>) and strives for the highest possible quality in teaching and learning.

To monitor how successful we are in providing quality teaching and learning Monash regularly seeks feedback from students, employers and staff. One of the key formal ways students have to provide feedback is through Unit Evaluation Surveys. The University's Unit Evaluation policy (<http://www.policy.monash.edu/policy-bank/academic/education/quality/unit-evaluation-policy.html>) requires that every unit offered is evaluated each year. Students are strongly encouraged to complete the surveys as they are an important avenue for students to "have their say". The feedback is anonymous and provides the Faculty with evidence of aspects that students are satisfied and areas for improvement.

Faculties have the option of administering the Unit Evaluation survey online through the my.monash portal or in class. Lecturers will inform students of the method being used for this unit towards the end of the semester.

## Student Evaluations

If you wish to view how previous students rated this unit, please go to <http://www.adm.monash.edu.au/cheq/evaluations/unit-evaluations/>

## Improvements to this unit

New edition textbook that covers up to date topics has been prescribed.

Lecture/tutorial schedules have been revised.

The student feedback indicates that the unit includes too many programming languages. Consequently, in this offering, some technologies/languages would be excluded from the syllabus (eg. ASP).

Also, students will be given enough time to reflect on their work so that students can make improvement in time before the next assessment.

Students will be given the opportunity to provide feedback using MonQuest in mid semester and Unit Evaluation at the end of the semester.

## Unit staff - contact details

### Unit leader

**Mr Michael Smith**

Contact hours : To be advised

### Lecturer(s) :

**Mr Michael Smith**

Contact hours : To be advised

**Dr Judithe Sheard**

Senior Lecturer

Phone +61 3 990 32701

Fax +61 3 990 31077

Contact hours : To be advised

### Tutor(s) :

**Ms Janice Miller**

## Additional communication information

**Please direct all general enquiries relating to the unit to:**

Michael.Smith@infotech.monash.edu.au

## Teaching and learning method

Teaching and learning method for this unit is through on campus lectures and tutorial sessions. During the lectures, students are introduced to concepts, principles, as well as exposed to examples. During the tutorial sessions, students have the opportunity to explore the concepts and reinforce their understanding by working on practical problems.

The order and content of the weekly topics listed in the **Unit Schedule** are both subject to change during semester. Certain topics listed may not be covered, the weeks listed for their coverage may change and/or other topics, not currently listed, may be introduced.

## Tutorial allocation

Students should register for tutorials/laboratories using Allocate+.

## Communication, participation and feedback

Monash aims to provide a learning environment in which students receive a range of ongoing feedback throughout their studies. You will receive feedback on your work and progress in this unit. This may take the form of group feedback, individual feedback, peer feedback, self-comparison, verbal and written feedback, discussions (on line and in class) as well as more formal feedback related to assignment marks and grades. You are encouraged to draw on a variety of feedback to enhance your learning.

It is essential that you take action immediately if you realise that you have a problem that is affecting your study. Semesters are short, so we can help you best if you let us know as soon as problems arise. Regardless of whether the problem is related directly to your progress in the unit, if it is likely to interfere with your progress you should discuss it with your lecturer or a Community Service counsellor as soon as possible.

## Unit Schedule

Week	Topic	Key dates
1	Introduction, eBusiness technologies overview, XHTML, CSS	
2	JavaScript and DHTML	
3	JavaScript and DHTML	
4	JavaScript and DHTML	
5	Web Servers	
6	ASP .NET	Unit Test - Thursday, 9th April
Mid semester break		
7	XML	
8	ASP .NET and XML	
9	XSL	
10	ADO .NET	
11	Web Services	
12	Ajax	Assignment - due Friday, 29th May
13	Revision	

## Unit Resources

### Prescribed text(s) and readings

#### Prescribed:

Internet & World Wide Web - How To Program By Deitel, Deitel Fourth Edition, Prentice Hall, ISBN: 0131752421, 2008.

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

[www.w3c.org](http://www.w3c.org)

VS.Net MSDN

### Required software and/or hardware

Microsoft Visual Studio.Net 2008

Latest browser (eg. Mozilla or IE)

Microsoft IIS

### Equipment and consumables required or provided

Students will need access to:

- a personal computer with Windows XP
- the internet via dial-up connection or preferably by broadband
- a printer for assignments

Students may require to configure the PC as server for assignment work.

Students 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.

### Study resources

Study resources we will provide for your study are:

Weekly lecture notes; Weekly tutorial tasks; Assignment specifications; This Unit Guide outlining the administrative information for the unit; The unit web site on MUSO ( Moodle ), where resources outlined above will be made available.

## Library access

The Monash University Library site contains details about borrowing rights and catalogue searching. To learn more about the library and the various resources available, please go to <http://www.lib.monash.edu.au>.

The Educational Library and Media Resources (LMR) is also a very resourceful place to visit at <http://www.education.monash.edu.au/library/>

## Monash University Studies Online (MUSO)

All unit and lecture materials are available through MUSO (Monash University Studies Online). Blackboard is the primary application used to deliver your unit resources. Some units will be piloted in Moodle. If your unit is piloted in Moodle, you will see a link from your Blackboard unit to Moodle (<http://moodle.monash.edu.au>) and can bookmark this link to access directly. In Moodle, from the Faculty of Information Technology category, click on the link for your unit.

You can access MUSO and Blackboard via the portal: <http://my.monash.edu.au>

Click on the Study and enrolment tab, then Blackboard under the MUSO learning systems.

In order for your Blackboard unit(s) to function correctly, your computer needs to be correctly configured.

For example:

- Blackboard supported browser
- Supported Java runtime environment

For more information, please visit: <http://www.monash.edu.au/muso/support/students/downloadables-student.html>

You can contact the MUSO Support by phone : (+61 3) 9903 1268

For further contact information including operational hours, please visit:

<http://www.monash.edu.au/muso/support/students/contact.html>

Further information can be obtained from the MUSO support site:

<http://www.monash.edu.au/muso/support/index.html>

## Assessment

### Unit assessment policy

The unit is assessed with a class test, two assignments and a three hour closed book examination. To pass the unit you must:

- achieve no less than 50% of the possible marks in the exam; and
- achieve no less than 50% of possible marks

### Assignment tasks



- **Assignment Task**

**Title :** Online discussion and tutorial participation

**Description :**

Students will be expected to contribute to online discussions, to **attend and to actively participate in tutorial lab classes.**

**Weighting :** 10%

**Criteria for assessment :**

The criteria for assessment will be explained in the first lecture.

**Due date :** Ongoing throughout semester

**Remarks ( optional - leave blank for none ) :**

Tutorial labs commence in Week 2 of semester.

- **Assignment Task**

**Title :** Unt Test

**Description :**

The test will assess and provide feedback on students' understanding of the concepts introduced up to this stage of the semester.

**Weighting :** 10%

**Criteria for assessment :**

The format of the test will be outlined nearer the date of the assessment task.

**Due date :** Week 6 - Thursday, 9th April

- **Assignment Task**

**Title :** Assignment

**Description :**

Developing a small scale eBusiness application.

**Weighting :** 20%

**Criteria for assessment :**

Demonstration of the understanding, application and implementation of the principles and technologies introduced during the semester.

The criteria for assessment will be outlined in the assignment specification.

All students will be required to attend an interview on their assignment after the assignment submission date. Details on the format of the interview will be outlined in the assignment specification.

**Due date :** Week 12 - Friday, 29th May

## Examinations

### • Examination 1

**Weighting** : 60%

**Length** : 2 hours

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

## Assignment submission

Assignments will be submitted by electronic submission to MUSO/Blackboard, with the appropriate cover sheet correctly filled out. The due date is the date by which the submission must be received.

## Assignment coversheets

All assignment submissions must be accompanied by cover sheet, which should be signed by student(s). The cover sheet may be passed to tutors during the lab session before the deadline, or scanned and attached with the softcopy submission.

The coversheet can be downloaded from:

<http://www.infotech.monash.edu.au/resources/student/assignments/>

## University and Faculty policy on assessment

### Due dates and extensions

The due dates for the submission of assignments are given in the previous section. 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 seldom regarded as appropriate reasons for granting extensions. Students are advised to NOT assume that granting of an extension is a matter of course.

Generally, no extension will be given for late submission. If for some reason you did not turn up during the hand-in session(s) or the demo, your mark will be zero for that particular assessment(s).

Under special circumstances, requests for extensions must be made to the unit lecturer at your campus at least two days before the due date. You will be asked to forward original medical certificates in cases of illness, and may be asked to provide other forms of documentation where necessary. A copy of the email or other written communication of an extension must be attached to the assignment submission.

### Late assignment

Assignments received after the due date will be subject to a penalty of 20% per day, including weekends. Assignments received later than one week after the due date will not be accepted.

This policy is strict because comments or guidance will be given on assignments as they are returned, and sample solutions may also be published and distributed, after assignment marking or with the returned assignment.

## Return dates

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

Assessment for the unit as a whole is in accordance with the provisions of the Monash University Education Policy at <http://www.policy.monash.edu/policy-bank/academic/education/assessment/>

## Plagiarism, cheating and collusion

Plagiarism and cheating are regarded as very serious offences. In cases where cheating has been confirmed, students have been severely penalised, from losing all marks for an assignment, to facing disciplinary action at the Faculty level. While we would wish that all our students adhere to sound ethical conduct and honesty, I will ask you to acquaint yourself with the University Plagiarism policy and procedure (<http://www.policy.monash.edu/policy-bank/academic/education/conduct/plagiarism-procedures.html>) which applies to students detected plagiarising.

In this University, cheating means seeking to obtain an unfair advantage in any examination or any other written or practical work to be submitted or completed by a student for assessment. It includes the use, or attempted use, of any means to gain an unfair advantage for any assessable work in the unit, where the means is contrary to the instructions for such work.

When you submit an individual assessment item, such as a program, a report, an essay, assignment or other piece of work, under your name you are understood to be stating that this is your own work. If a submission is identical with, or similar to, someone else's work, an assumption of cheating may arise. If you are planning on working with another student, it is acceptable to undertake research together, and discuss problems, but it is not acceptable to jointly develop or share solutions unless this is specified by your lecturer.

Intentionally providing students with your solutions to assignments is classified as "assisting to cheat" and students who do this may be subject to disciplinary action. You should take reasonable care that your solution is not accidentally or deliberately obtained by other students. For example, do not leave copies of your work in progress on the hard drives of shared computers, and do not show your work to other students. If you believe this may have happened, please be sure to contact your lecturer as soon as possible.

Cheating also includes taking into an examination any material contrary to the regulations, including any bilingual dictionary, whether or not with the intention of using it to obtain an advantage.

Plagiarism involves the false representation of another person's ideas, or findings, as your own by either copying material or paraphrasing without citing sources. It is both professional and ethical to reference clearly the ideas and information that you have used from another writer. If the source is not identified, then you have plagiarised work of the other author. Plagiarism is a form of dishonesty that is insulting to the reader and grossly unfair to your student colleagues.

## Register of counselling about plagiarism

The university requires faculties to keep a simple and confidential register to record counselling to students about plagiarism (e.g. warnings). The register is accessible to Associate Deans Teaching (or nominees) and, where requested, students concerned have access to their own details in the register. The register is to serve as a record of counselling about the nature of plagiarism, not as a record of allegations; and no provision of appeals in relation to the register is necessary or applicable.

## **Non-discriminatory language**

The Faculty of Information Technology is committed to the use of non-discriminatory language in all forms of communication. Discriminatory language is that which refers in abusive terms to gender, race, age, sexual orientation, citizenship or nationality, ethnic or language background, physical or mental ability, or political or religious views, or which stereotypes groups in an adverse manner. This is not meant to preclude or inhibit legitimate academic debate on any issue; however, the language used in such debate should be non-discriminatory and sensitive to these matters. It is important to avoid the use of discriminatory language in your communications and written work. The most common form of discriminatory language in academic work tends to be in the area of gender inclusiveness. You are, therefore, requested to check for this and to ensure your work and communications are non-discriminatory in all respects.

## **Students with disabilities**

Students with disabilities that may disadvantage them in assessment should seek advice from one of the following before completing assessment tasks and examinations:

- Faculty of Information Technology Student Service staff, and / or
- your Unit Coordinator, or
- [Disabilities Liaison Unit](#)

## **Deferred assessment and special consideration**

Deferred assessment (not to be confused with an extension for submission of an assignment) may be granted in cases of extenuating personal circumstances such as serious personal illness or bereavement. Information and forms for Special Consideration and deferred assessment applications are available at <http://www.monash.edu.au/exams/special-consideration.html>. Contact the Faculty's Student Services staff at your campus for further information and advice.