Web Services
CSE3WS

Subject Learning Guide

Semester 2, 2013
Bendigo

Subject Coordinator: Mary Martin
Instance Coordinator(s): Mal Sutherland
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Subject Details

GENERAL DETAILS

Subject Code: CSE3WS  
Subject Title: Web Services

Teaching Period: Semester 2  
Location(s): Bendigo

Credit Points: 15  
Mode: Day  
Level: 3

ENROLMENT REQUIREMENTS

Prerequisites: INT2WD or CSE2WD, INT2DS or CSE1100

Co-requisites: none

Incompatibles: none

Assumed Skills & Knowledge: An understanding of HTML, cascading style sheets and established programming skills in an object-oriented high level language including the Java programming.

Special Study Requirements: none

STAFF CONTACTS

Subject Coordinator:
Email: m.martin@latrobe.edu.au  
Tel: 7273
Location: B1.12, Business Building, Bendigo Campus

Instance Coordinator:
Email: m.sutherland@latrobe.edu.au  
Tel: 7993
Location: B1.07, Business Building, Bendigo Campus

SUBJECT DESCRIPTION

This subject examines the provision and application of Web Services based on XML and Web Protocols, including using XSL for publishing XML documents into multiple formats. Acknowledged industry standards and standard organisations are examined in the context of the delivery of web services and applications of XML.

SUBJECT INTENDED LEARNING OUTCOMES (SILOS)

Upon successful completion of this subject, you should be able to:

1. Produce and validate XML documents using DTDs, XML Schema and XML Namespaces
2. Consume and produce XML using Java Based parsers including DOM and SAX parsers
3. Transform XML documents using XSL stylesheets
4. Select data from XML documents using XPath
5. Implement Java applications using JAXB to marshal and unmarshal XML and Java Classes
6. Be aware of the standards and corresponding organisations relating to Web services technologies.
7. Create and deploy simple Web Services using SOAP

FACULTY GRADUATE CAPABILITIES

The following Faculty Graduate Capabilities (FGCs) are evaluated in this subject:

<table>
<thead>
<tr>
<th>FGC</th>
<th>FGC Assessment Tasks</th>
</tr>
</thead>
<tbody>
<tr>
<td>a</td>
<td>Writing</td>
</tr>
<tr>
<td>b</td>
<td>Inquiry/research</td>
</tr>
<tr>
<td>c</td>
<td>Critical thinking</td>
</tr>
</tbody>
</table>

Assignment 2  
Assignment 1 & Assignment 2  
Assignment 1 & Assignment 2
### Faculty Graduate Capabilities

<table>
<thead>
<tr>
<th>Capabilities</th>
<th>Areas Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>d Creative problem solving</td>
<td>Assignment 1 &amp; Assignment 2</td>
</tr>
<tr>
<td>e Discipline-specific graduate capabilities</td>
<td>Assignment 1, Assignment 2 &amp; Exam</td>
</tr>
</tbody>
</table>

### Learning Activity Summary

<table>
<thead>
<tr>
<th>Learning Activity</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two 1-hour lectures per week</td>
<td>Week 1 to 13</td>
</tr>
<tr>
<td>Two 1-hour laboratory based tutorials per week</td>
<td>Week 1 to 13</td>
</tr>
</tbody>
</table>


### Assessment and Feedback Summary

<table>
<thead>
<tr>
<th>Assessment Tasks</th>
<th>Due Date</th>
<th>%</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Practical Assignment One</td>
<td>5pm Friday - Week 10</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>Practical Assignment Two</td>
<td>5pm Friday - Week 13</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>2-hour written Examination</td>
<td>Final exam period</td>
<td>60</td>
<td></td>
</tr>
</tbody>
</table>

### Learning Resources

<table>
<thead>
<tr>
<th>Reading Type</th>
<th>Title</th>
<th>Author and Year</th>
<th>Publisher</th>
</tr>
</thead>
<tbody>
<tr>
<td>online</td>
<td>links to online resources are on the subject home page at <a href="http://lms.latrobe.edu.au">http://lms.latrobe.edu.au</a></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Student Feedback on Subject Survey

The *Student Feedback on Subjects (SFS) Survey* is part of the quality assurance process that occurs across the university. In this survey you are invited to tell us about your learning experiences in this subject. We want you to tell us of your experience in this subject. Your views will be taken seriously and will assist us to enhance this subject for the next group of students. Your feedback will also contribute to the text for ‘Summary of Previous Student Feedback’ below so please take the time to tell us your views. The surveys are anonymous and will be distributed prior to the end of the teaching period.
STUDENT FEEDBACK ON SUBJECT SURVEY

The Student Feedback on Subjects (SFS) Survey is part of the quality assurance process that occurs across the university. In this survey you are invited to tell us about your learning experiences in this subject. We want you to tell us of your experience in this subject. Your views will be taken seriously and will assist us to enhance this subject for the next group of students. Your feedback will also contribute to the text for ‘Summary of Previous Student Feedback’ below so please take the time to tell us your views. The surveys are anonymous and will be distributed prior to the end of the teaching period.

Summary of SFS Feedback from Last Year

ACADEMIC INTEGRITY

Academic integrity means being honest in academic work and taking responsibility for learning the conventions of scholarship. La Trobe University views this seriously as evidenced by the following extract:

Academic honesty is a fundamental principle in teaching, learning, research and scholarship. The University requires its academic staff and students to observe the highest ethical standards in all aspects of academic work and it demonstrates its commitment to these values by awarding due credit for honestly conducted scholarly work, and by penalising academic misconduct and all forms of cheating.

Academic Integrity Procedures (2010, p. 1 of 6)

Academic misconduct includes poor referencing, plagiarism, copying and cheating. You should familiarise yourself with your responsibilities in relation to Academic Integrity and if you have any questions, direct them to your Course Coordinator. Information can be found on the website at:

Schedule of Learning Activities

Session Plan (Timetable)

Times and rooms are subject to change. To view the full time and location details for learning activities in this subject, please ensure you seek further information available at http://www.latrobe.edu.au/timetable/.

You should also regularly check [at least once per week] the subject’s LMS site (where applicable) for updated information.

Learning Activity Details

Lectures
Two lectures per week.
Lecture notes provided online are for reference only and are not meant to replace attendance in class.

Practical Classes / Fieldwork
Two practical/tutorial per week
## Assessment and Feedback Details

Please see page 4 for the Subject Intended Learning Outcomes (SILOs)

<table>
<thead>
<tr>
<th>Assessment Task 1</th>
<th>Due Date</th>
<th>%</th>
<th>SILOs Assessed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assignment One</td>
<td>Week 10</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td><strong>Submission Details</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Grading Criteria and Feedback</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Description of Task</strong></td>
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</table>

<table>
<thead>
<tr>
<th>Assessment Task 2</th>
<th>Due Date</th>
<th>%</th>
<th>SILOs Assessed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assignment Two</td>
<td>Week 13</td>
<td>20</td>
<td></td>
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<tr>
<td><strong>Submission Details</strong></td>
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<td></td>
<td></td>
</tr>
<tr>
<td><strong>Grading Criteria and Feedback</strong></td>
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<tr>
<td><strong>Description of Task</strong></td>
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</table>

<table>
<thead>
<tr>
<th>Assessment Task 3</th>
<th>Due Date</th>
<th>%</th>
<th>SILOs Assessed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Final Examination</td>
<td>Exam Period</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td><strong>Submission Details</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Grading Criteria and Feedback</strong></td>
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<td></td>
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<tr>
<td><strong>Description of Task</strong></td>
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</tbody>
</table>

## Detailed Grading Criteria

*handed out in class*
Learning Resources

Additional Readings

Academic Language and Learning Unit (ALLU)

The Academic Language and Learning Unit (ALLU) works closely with teaching staff in the Faculties and on the Melbourne campus and the regional campuses to ensure that all La Trobe students – including those from non-English-speaking backgrounds – develop high-level academic speaking, writing, reading, and numeracy skills required for successful learning in their courses. For further information, including language and learning resources for students, and information about accessing individual student appointments and Drop-in sessions, please see the website at: http://www.latrobe.edu.au/learning/

Learning Management System (LMS)

The Learning Management System (LMS) is an Internet based system which allows you access to learning materials and to interact with other students and teaching staff in activities related to your studies from any location with Internet access. Most subjects have a LMS site into which you are automatically added as part of your enrolment into the subject.

The LMS can be accessed at: https://www.latrobe.edu.au/lms/login/ by using your Username and Password provided to you on your Statement of Account. If you are having trouble accessing the LMS or want to find out more about LMS, please see the website at: http://www.latrobe.edu.au/studentlmsinfo

Learning Management System - Subject Specific Information

<<OPTIONAL XXXX>>

Library

The Library has many valuable physical and online learning resources that can help you with your study. On campus students should get to know the physical Library environment by going on a Library Tour. All students should get familiar with the Library website where online resources include:

- LibSkills [http://latrobe.libguides.com/libskills] – to teach you library research and information literacy skills;
- LibChat [http://www.lib.latrobe.edu.au/] - a library discussion forum allowing you to chat with a Librarian;
- Academic Referencing Modules [http://latrobe.libguides.com/referencingmodules] – to assist you to understand specific referencing styles;

Library - Subject Specific Information

<<OPTIONAL XXXX>>

Student Support Services

If you have special needs due to disability or other factors the Equality and Diversity Centre can provide advice and support. This Centre can be contacted by telephone on (03) 9479 2900 (Melbourne); (03) 5444 7410 (Bendigo); (02) 6024 9628 (Albury-Wodonga); National Relay Service Deaf and Hearing Impaired: T: 133677
Policies, Procedures and Guidelines

The University has a comprehensive policy framework to which both staff and students must adhere. You should familiarise yourself with those policies, procedures and guidelines likely to affect you especially the following:

- Academic Integrity.
- Academic Progress.
- Assessment and Feedback.
- Extension to Submission Dates.
- Late Submission of Assessment Tasks.
- Occupational, Health and Safety [OHS].
- Privacy.
- Special Consideration.
- Student Charter.
- Use of Electronic Mail.

The relevant policies, procedures and guidelines can be found on the website at: http://www.latrobe.edu.au/policy/

Academic Integrity

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Special Consideration

Special Consideration is the term used to describe a process that applies an equity measure to ensure that where any temporary adverse circumstances beyond the control of a student, that impact negatively on that student’s ability to demonstrate their learning achievement for an assessment task, is taken into account.

Eligibility to apply for Special Consideration does not automatically imply eligibility to receive it. Certain criteria must be satisfied in order to receive Special Consideration.

Please refer to the relevant policies, procedures and guidelines website at: http://www.latrobe.edu.au/policy/

Extensions, Late Submissions and Penalties

There are policies and procedures to guarantee fair, consistent and transparent treatment of late submission of assessment tasks provide equity around extensions to submission dates and penalties associated with not submitting assessment by the due date and time.

Please refer to the relevant policies, procedures and guidelines website at: http://www.latrobe.edu.au/policy/
Rules - Faculty/School/Discipline-specific information

Attendance
<<OPTIONAL XXXX>>

Penalties for Late Submission of Assignments
<<OPTIONAL XXXX>>

Plagiarism
<<OPTIONAL XXXX>>