COIT12204 *Web Site Development*
Term 2 - 2017

All details in this unit profile for COIT12204 have been officially approved by CQUniversity and represent a learning partnership between the University and you (our student). The information will not be changed unless absolutely necessary and any change will be clearly indicated by an approved correction included in the profile.

General Information

Overview
This unit focuses on the basic technologies and skills required to build business-oriented web sites in a .NET environment. Students will use ASP.NET and associated technologies to design and build a basic web site. The strengths and weaknesses of ASP.NET will be discussed as will alternative .NET development and deployment technologies.

Details
Career Level: *Undergraduate*
Unit Level: *Level 2*
Credit Points: *6*
Student Contribution Band: *8*
Fraction of Full-Time Student Load: *0.125*

Pre-requisites or Co-requisites
Prerequisite:- COIS12036 & (COIT12167 or COIT11237)
Important note: Students enrolled in a subsequent unit who failed their pre-requisite unit, should drop the subsequent unit before the census date or within 10 working days of Fail grade notification. Students who do not drop the unit in this timeframe cannot later drop the unit without academic and financial liability. See details in the Assessment Policy and Procedure (Higher Education Coursework).

Offerings For Term 2 - 2017

- Brisbane
- Cairns
- Distance
- Melbourne
- Rockhampton
- Sydney
- Townsville

Attendance Requirements
All on-campus students are expected to attend scheduled classes – in some units, these classes are identified as a mandatory (pass/fail) component and attendance is compulsory. International students, on a student visa, must maintain a full time study load and meet both attendance and academic progress requirements in each study period (satisfactory attendance for International students is defined as maintaining at least an 80% attendance record).

Website
This unit has a website, within the Moodle system, which is available two weeks before the start of term. It is important that you visit your Moodle site throughout the term. Please visit Moodle for more information.

Class and Assessment Overview

Recommended Student Time Commitment
Each 6-credit Undergraduate unit at CQUniversity requires an overall time commitment of an average of 12.5 hours of study per week, making a total of 150 hours for the unit.

Class Timetable

Regional Campuses
Bundaberg, Cairns, Emerald, Gladstone, Mackay, Rockhampton, Townsville

Metropolitan Campuses
Adelaide, Brisbane, Melbourne, Perth, Sydney

Assessment Overview
1. **Practical Assessment**
Weighting: 15%
2. **Practical Assessment**
Weighting: 35%
3. **Examination**
Weighting: 50%

Assessment Grading
This is a graded unit: your overall grade will be calculated from the marks or grades for each assessment task, based on the relative weightings shown in the table above. You must obtain an overall mark for the unit of at least 50%, or an overall grade of 'pass' in order to pass the unit. If any 'pass/fail' tasks are shown in the table above they must also be completed successfully ('pass' grade). You must also meet any minimum mark requirements specified for a particular assessment task, as detailed in the 'assessment task' section (note that in some instances, the minimum mark for a task may be greater than 50%). Consult the University's Grades and Results Policy for more details of interim results and final grades.

CQUniversity Policies

All University policies are available on the CQUniversity Policy site.
You may wish to view these policies:

- Grades and Results Policy
- Assessment Policy and Procedure (Higher Education Coursework)
- Review of Grade Procedure
- Student Academic Integrity Policy and Procedure
- Monitoring Academic Progress (MAP) Policy and Procedure – Domestic Students
- Monitoring Academic Progress (MAP) Policy and Procedure – International Students
- Student Refund and Credit Balance Policy and Procedure
- Student Feedback – Compliments and Complaints Policy and Procedure
- Information and Communications Technology Acceptable Use Policy and Procedure

This list is not an exhaustive list of all University policies. The full list of University policies are available on the CQUniversity Policy site.

Previous Student Feedback

Feedback, Recommendations and Responses

Every unit is reviewed for enhancement each year. At the most recent review, the following staff and student feedback items were identified and recommendations were made.

Feedback from Lecturer

Feedback
New version of textbook available

Recommendation
Update course to use new version of textbook

Unit Learning Outcomes

On successful completion of this unit, you will be able to:

1. Compare and contrast the key web development technologies available to the .NET developer
2. Design a business-oriented web site that has a consistent look and feel
3. Employ an integrated suite of software tools in the development of a business-oriented web site
4. Examine the issues involved in developing and maintaining a web site for a small business
5. Assess the likely business impact of emerging web deployment technologies

Australian Computer Society (ACS) recognises the Skills Framework for the Information Age (SFIA). SFIA is in use in over 100 countries and provides a widely used and consistent definition of ICT skills. SFIA is increasingly being used when developing job descriptions and role profiles.
ACS members can use the tool MySFIA to build a skills profile at
https://www.acs.org.au/professionalrecognition/mysfia-b2c.html
This unit contributes to the following workplace skills as defined by SFIA. The SFIA code is included:

- Problem Management (PBMG)
- Information Analysis (INAN)
- Data Analysis (DTAN)
- Program ming/Software Development (PROG)

Alignment of Learning Outcomes, Assessment and Graduate Attributes

— N/A Level   ○ Introductory Level   ● Intermediate Level   ● Graduate Level   ○ Professional Level   ○ Advanced Level

Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes				
	1	**2**	**3**	**4**	**5**
1 - Practical Assessment - 15%	●	●			
2 - Practical Assessment - 35%		●	●		
3 - Examination - 50%	●			●	●

Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes — **Learning Outcomes**

Graduate Attributes	1	2	3	4	5
1 - Communication	•	•	•	•	•
2 - Problem Solving		•	•	•	•
3 - Critical Thinking	•	•	•	•	•
4 - Information Literacy	•	•	•		
5 - Team Work					
6 - Information Technology Competence	•	•	•		
7 - Cross Cultural Competence					
8 - Ethical practice				•	
9 - Social Innovation					
10 - Aboriginal and Torres Strait Islander Cultures					

Alignment of Assessment Tasks to Graduate Attributes

Assessment Tasks	Graduate Attributes									
	1	2	3	4	5	6	7	8	9	10
1 - Practical Assessment - 15%	•	•	•	•		•				
2 - Practical Assessment - 35%	•	•	•	•		•		•		
3 - Examination - 50%	•	•	•							

Textbooks and Resources

Textbooks
COIT12204

Prescribed

Beginning ASP.NET 4.5.1 in C# and VB
(2014)
Authors: I. Spaanjaars
WROX, John Wiley and Sons Inc.
Indianapolis, , Indiana, , USA
ISBN: 978-1-118-84677-3
Binding: Paperback

View textbooks at the CQUniversity Bookshop

IT Resources
You will need access to the following IT resources:

- CQUniversity Student Email
- Internet
- Unit Website (Moodle)
- Microsoft Visual Studio Express 2017 - Community edition

Referencing Style

All submissions for this unit must use the referencing style: Harvard (author-date)
For further information, see the Assessment Tasks.

Teaching Contacts

Ron Balsys Unit Coordinator
r.balsys@cqu.edu.au

Schedule

Week 1 - 10 Jul 2017

Module/Topic	Chapter	Events and Submissions/Topic
1. Getting started with ASP.NET 4 - project types, templates and file types.	Spaanjaars, chapter 1 pp. 1-32, chapter 2 pp. 33-46.	

Week 2 - 17 Jul 2017

Module/Topic	Chapter	Events and Submissions/Topic
2. ASP.NET 4 - Working with Web forms, adding markup, connecting pages and designing Web pages.	Spaanjaars, chapter 2 pp. 47-62, chapter 3 pp. 63-100.	

Week 3 - 24 Jul 2017

Module/Topic	Chapter	Events and Submissions/Topic
3. ASP.NET 4 - Working with server controls and C# programming.	Spaanjaars, chapter 4 pp. 101-134, chapter 5 pp. 135-167.	

Week 4 - 31 Jul 2017

Module/Topic	Chapter	Events and Submissions/Topic

| 4. ASP.NET 4 - C# programming in ASP.NET. Creating consistent looking websites. | Spaanjaars, chapter 5 pp. 167-194, chapter 6 pp. 195-239. | |

Week 5 - 07 Aug 2017

Module/Topic	**Chapter**	**Events and Submissions/Topic**
5. ASP.NET 4 - navigation and introduction to user controls.	Spaanjaars, chapter 7 pp. 239-272, chapter 8 pp. 273-284.	**Assignment 1** Due: Week 5 Friday (11 Aug 2017) 11:00 pm AEST

Vacation Week - 14 Aug 2017

Module/Topic	**Chapter**	**Events and Submissions/Topic**

Week 6 - 21 Aug 2017

Module/Topic	**Chapter**	**Events and Submissions/Topic**
6. Smarter user controls. Validating user input.	Spaanjaars, chapter 8 pp. 284-298, chapter 9 pp. 299-336.	

Week 7 - 28 Aug 2017

Module/Topic	**Chapter**	**Events and Submissions/Topic**
7. AJAX and an introduction to jQuery.	Spaanjaars, chapter 10 pp. 337-369, chapter 11 pp. 369-379.	

Week 8 - 04 Sep 2017

Module/Topic	**Chapter**	**Events and Submissions/Topic**
8. jQuery. Introducing databases.	Spaanjaars, chapter 11 pp. 379-406, chapter 12, pp. 407-438.	

Week 9 - 11 Sep 2017

Module/Topic	**Chapter**	**Events and Submissions/Topic**
9. Displaying and Updating Data 1.	Spaanjaars, chapter 13 pp. 439-484, chapter 15 pp. 539-564.	

Week 10 - 18 Sep 2017

Module/Topic	**Chapter**	**Events and Submissions/Topic**
10. Security in ASP.NET 4. Personalizing web Sites 1.	Spaanjaars, Chapter 16, pp. 589-628, chapter 17 pp. 629-631.	

Week 11 - 25 Sep 2017

Module/Topic	**Chapter**	**Events and Submissions/Topic**
11. Personalizing web Sites 2. Implementing a Shopping Cart.	Spaanjaars Chapter 17, pp. 631-646. Reading 1: Hart, Kauffman, Sussman and Ulman, "ASP.NET2.0 with C#", chapter 13:E-commerce, pp.461-521.	

Week 12 - 02 Oct 2017

Module/Topic	**Chapter**	**Events and Submissions/Topic**
12. Business case for website. Revision.		**Assignment 2** Due: Week 12 Friday (6 Oct 2017) 11:00 pm AEST

Review/Exam Week - 09 Oct 2017

Module/Topic	**Chapter**	**Events and Submissions/Topic**

Exam Week - 16 Oct 2017

Module/Topic	**Chapter**	**Events and Submissions/Topic**

Assessment Tasks

1 Assignment 1

Assessment Type
Practical Assessment

Task Description
The objective of this assignment is for students to develop a dynamic Internet application with a consistent look and feel for business using an integrated suite of software tools.
You are required to develop a website using ASP.NET 4.5.1 and C#. You must develop the web pages *according to the specifications given in the assignment document on the moodle unit web page*. This means that you must provide the functionality specified, produce the layout specified and use the data and images provided on the unit website. This document is a *specification* that you are required to *implement*.

Assessment Due Date
Week 5 Friday (11 Aug 2017) 11:00 pm AEST

Return Date to Students
Monday (28 Aug 2017)

Weighting
15%

Assessment Criteria

Assignment Component	Criteria	Marks
Master page - general	- Layout and general themes as required - Header contains logo - Footer is correct	1.5
Master page - Navigation	- Web.sitemap correct - In Nav site map tool correctly used - In aside drop down list used to select theme and the treeview works as required	2
Stamp Catalog pages	- Default page correct - The required fields are on all 4 catalog pages and are correct - Images are present and work correctly on all pages - Tables display correctly on all pages	5
About pages	- The default about and the contact us and about us pages display and have the correct information	0.5
Theme	- The theme drop down list is displayed - Toggling the theme selection updates the display correctly on all pages - A colour style (theme) independently created	3
Word document	- Lists complete and incomplete stages and describes steps taken to complete functionality (if applicable) - Discussion of ethical or legal issues - Suggestions for new functionality	3

Referencing Style

- [Harvard (author-date)](#)

Submission
Online

Learning Outcomes Assessed

- Compare and contrast the key web development technologies available to the .NET developer
- Design a business-oriented web site that has a consistent look and feel

Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy
- Information Technology Competence

2 Assignment 2

Assessment Type
Practical Assessment

Task Description
The objective of this assignment is for students to develop, test and maintain a dynamic Internet application for business using an integrated suite of software tools.
You are required to further develop the website using ASP.NET 4.5.1 and C#. You must develop the web pages *according to the specifications given in the assignment document on the moodle unit website*. This means that you must provide

the functionality specified, produce the layout specified and use the data and images provided on the unit website. You may change the colour scheme and general styling, but you may not change the layout or functionality described. This document is a *specification* that you are required to *implement*.

Assessment Due Date
Week 12 Friday (6 Oct 2017) 11:00 pm AEST

Return Date to Students
Review/Exam Week Friday (13 Oct 2017)

Weighting
35%

Assessment Criteria

Assignment Component	Criteria	Marks
Master page - Navigation	- Menu contains correct menu items and sub items, i.e. sitemap correct - Menu & breadcrumb sourced from web.sitemap	2
Master page - Login	- Login controls are present on master page - Correct view of login controls for authenticated vs unauthenticated user	2
Roles & security	- Appropriate security rules present in web.config - Navigation menu is trimmed - Not possible to access pages directly unless user is authorised	3
View as list	- Drop-down filter contains list of Series, no duplicates - Drop-down selection correctly filters grid view - Currency correctly formatted, sorting is enabled - Hyperlink to cart works correctly	4
View as catalogue	- Catalogue appearance is correct - Hyperlink to cart works correctly	1
Specials	- Correct content view according to user's role/authentication - Specials price is calculated and shown and currency correctly formatted - Hyperlink to cart works correctly - Sorting is enabled	2.5
Register	- User can register - New user is automatically added to the member role	1
Change password	- Only authenticated users can access the page - Authenticated user can change password	1
Admin – manage catalogue	- Filter has list of Series, no duplicates - Selection of Series filters gridview - Grid view has appropriate formatting and alignment of columns - Items in gridview can be edited/deleted - New item can be added via form view - Series and LastUpdate values added automatically during inserting event	4
Admin – Add user	- Admin user can add new user - Admin user is *not* logged in as new user	1
Admin – Add user to role	- User can be added to role - Correct response when user is already in role	2
ShoppingCartItem page	- Image of item is correctly displayed - Add to cart button displays the shopping cart and adds the item to the shopping cart	2
ShoppingCart page	- Uses a control to display the information - Shows all items that have been added to the cart - Allows the items to be deleted and allows the Quantity to be edited - Correctly displays the Total	2
Checkout page	- Login for unauthenticated users displayed, but not displayed for authenticated users - Delivery address step correct - Payment step correct - Confirmation step displays the shopping cart correctly - Completion step takes user back to StampCatalogue page	2.5
Web.config	- The profile has been added to allow saving of customer selections and data between visits to site	1
Shopping.cs	- The shopping.cs code has been modified correctly	1
Web.config	- The profile has been added to allow saving of customer selections and data between visits to site	1
Word document	- Lists complete and incomplete stages and describes steps taken to fix incomplete functionality (if applicable) - Suggestions for new functionality	2

Referencing Style

- [Harvard (author-date)](#)

Submission
Online

Learning Outcomes Assessed

- Design a business-oriented web site that has a consistent look and feel
- Employ an integrated suite of software tools in the development of a business-oriented web site

Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy
- Information Technology Competence
- Ethical practice

Examination

Outline
Complete an invigilated examination.

Date
During the examination period at a CQUniversity examination centre.

Weighting
50%

Length
180 minutes

Minimum mark or grade
40%

Exam Conditions
Open Book.

Materials
Calculator - all non-communicable calculators, including scientific, programmable and graphics calculators are authorised
Dictionary - non-electronic, concise, direct translation only (dictionary must not contain any notes or comments).

Academic Integrity Statement

As a CQUniversity student you are expected to act honestly in all aspects of your academic work.

Any assessable work undertaken or submitted for review or assessment must be your own work. Assessable work is any type of work you do to meet the assessment requirements in the unit, including draft work submitted for review and feedback and final work to be assessed.

When you use the ideas, words or data of others in your assessment, you must thoroughly and clearly acknowledge the source of this information by using the correct referencing style for your unit. Using others' work without proper acknowledgement may be considered a form of intellectual dishonesty.

Participating honestly, respectfully, responsibly, and fairly in your university study ensures the CQUniversity qualification you earn will be valued as a true indication of your individual academic achievement and will continue to receive the respect and recognition it deserves.

As a student, you are responsible for reading and following CQUniversity's policies, including the **Student Academic Integrity Policy and Procedure**. This policy sets out CQUniversity's expectations of you to act with integrity, examples of academic integrity breaches to avoid, the processes used to address alleged breaches of academic integrity, and potential penalties.

What is a breach of academic integrity?
A breach of academic integrity includes but is not limited to plagiarism, self-plagiarism, collusion, cheating, contract cheating, and academic misconduct. The Student Academic Integrity Policy and Procedure defines what these terms mean and gives examples.

Why is academic integrity important?
A breach of academic integrity may result in one or more penalties, including suspension or even expulsion from the University. It can also have negative implications for student visas and future enrolment at CQUniversity or elsewhere. Students who engage in contract cheating also risk being blackmailed by contract cheating services.

Where can I get assistance?
For academic advice and guidance, the Academic Learning Centre (ALC) can support you in becoming confident in completing assessments with integrity and of high standard.

What can you do to act with integrity?

Be Honest
If your assessment task is done by someone else, it would be dishonest of you to claim it as your own

Seek Help
If you are not sure about how to cite or reference in essays, reports etc, then seek help from your lecturer, the library or the Academic Learning Centre (ALC)

Produce Original Work
Originality comes from your ability to read widely, think critically, and apply your gained knowledge to address a question or problem