



- Enrolment Period 1
- Enrolment Period 2

School: Science

This unit information may be updated and amended immediately prior to semester. To ensure you have the correct outline, please check it again at the beginning of semester.

Unit Title	Applications Development
Unit Code	CSI2441
Year	2016
Enrolment Period	2
Version	1
Credit Points	15
Full Year Unit	N
Mode of Delivery	On Campus Online

Description

This unit covers the concepts of methodologies, development models and historical issues affecting the development of software applications. It includes the design of user interfaces including mapping functionality to logical design. Issues affecting modern application design and delivery, including modelling, deployment and quality assurance will be examined.

Prerequisite Rule

Students must pass 1 unit from CSG1207

Learning Outcomes

On completion of this unit students should be able to:

1. Demonstrate a working knowledge of a number of current development environments.
2. Describe factors affecting modern application design and development.
3. Describe the evolution of development languages.
4. Design and implement integrated systems/database solutions.
5. Outline the features of current database/development environments.

Unit Content

1. Examination of issues in systems delivery and quality assurance.
2. Human factor implications in user interface design.
3. System design, planning, needs analysis and implementation.
4. Use of coding strategies to implement reusability and efficiency.
5. Use of integrated development environments and database management systems.
6. Use of multiple high level programming languages.

Additional Learning Experience Information

Lectures, workshops and readings.

Assessment

GS1 GRADING SCHEMA 1 Used for standard coursework units

Students please note: The marks and grades received by students on assessments may be subject to further moderation. All marks and grades are to be considered provisional until endorsed by the relevant Board of Examiners.

ON CAMPUS

Type	Description	Value
Assignment	Introduction to server-side coding techniques	15%
Assignment	Advanced server-side application implementation	25%
Examination	End of semester examination	60%

ONLINE

Type	Description	Value
Assignment	Introduction to server-side coding techniques	15%
Assignment	Advanced server-side application implementation	25%
Examination	End of semester examination	60%

Text References

- McConnel, S. *Code complete: a practical handbook of software construction* (2nd ed.). Washington: Microsoft Press.
- Mitchell, S. (2008). *Sams teach yourself ASP.NET 3.5 in 24 hours, complete starter kit*. Indianapolis: SAMS.
- Deitel, Harvey. (2006). *Visual Basic 2005: how to program*. Upper Saddle River, NJ: Pearson/Prentice Hall.
- Boehm, A., & Murach, J. (2008). *Murach's ASP.NET 3.5 web programming with C# 2008*. USA: Mike Murach and Associates.
- Walther, S. (2008). *ASP.NET 3.5 unleashed*. Indianapolis: SAMS.

Website References

- Introducing ASP.NET Web Forms <http://samples.gotdotnet.com/quickstart/aspplus/doc/webformsintro.aspx>
- ASP.NET Reference <http://msdn2.microsoft.com/en-us/asp.net/aa336581.aspx>
- ASP.Net <http://www.asp.net/>
- Visual C# samples <http://msdn.microsoft.com/en-au/library/z9hsy596.aspx>
- Visual C# developer centre <http://msdn.microsoft.com/en-au/vcsharp/default.aspx>

Disability Standards for Education (Commonwealth 2005)

For the purposes of considering a request for Reasonable Adjustments under the Disability Standards for Education (Commonwealth 2005), inherent requirements for this subject are articulated in the Unit Description, Learning Outcomes and Assessment Requirements of this entry. The University is dedicated to provide support to those with special requirements. Further details on the support for students with disabilities or medical conditions can be found at the [Student Equity, Diversity and Disability Service website](#).

Academic Misconduct

Edith Cowan University has firm rules governing academic misconduct and there are substantial penalties that can be applied to students who are found in breach of these rules. Academic misconduct includes, but is not limited to:

- plagiarism;
- unauthorised collaboration;
- cheating in examinations;
- theft of other students' work;

Additionally, any material submitted for assessment purposes must be work that has not been submitted previously, by any person, for any other unit at ECU or elsewhere.

The ECU rules and policies governing all academic activities, including misconduct, can be accessed through the ECU website.

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