UNSW Course Outline

ZEIT8230 Requirements Practice - 2024

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General Course Information

Course Code : ZEIT8230
Year : 2024
Term : Semester 2
Teaching Period : Z2
Is a multi-term course? : No
Faculty : UNSW Canberra
Academic Unit : School of Systems and Computing
Delivery Mode : Online
Delivery Format : Standard
Delivery Location : UNSW Canberra at ADFA
Campus : UNSW Canberra
Study Level : Postgraduate
Units of Credit : 6

Useful Links

Handbook Class Timetable

Course Details & Outcomes

Course Description

This course provides students with an opportunity to develop an understanding of the processes and practices associated with the requirements engineering and business analysis disciplines. The course also introduces tools commonly used in requirements practice and details how

business analysis and requirements engineering coexist with other disciplines (particularly systems engineering and project management).

The complete and accurate definition of system requirements is a primary focus of the early systems engineering effort. The life cycle of a system begins with a mission statement, which is translated into a large number of statements of requirement that form the basis for the logical (functional) design and subsequently the physical architecture. These transitions must be managed by a rigorous process that guarantees that all relevant requirements are included (and all irrelevant requirements excluded). The establishment of correct requirements is fundamental to the success of projects.

Once requirements have been collected, requirements practice then focuses on the management of these requirements from the system level right down to the lowest constituent component. This process involves elicitation, analysis, definition and validation of system requirements.

Course Learning Outcomes

Course Learning Outcomes
CLO1 : Articulate the processes and management practices associated with the requirements engineering discipline.
CLO2 : Assess strengths and weaknesses of accepted requirements engineering methodologies and processes.
CLO3 : Develop major requirements engineering plans and artefacts for an example project.
CLO4 : Assess the need, role and contribution of requirements engineering in project and business contexts.

Course Learning Outcomes	Assessment Item
CLO1 : Articulate the processes and management practices associated with the requirements engineering discipline.	• Test One • Assignment 1 • Test Two • Assignment 2
CLO2 : Assess strengths and weaknesses of accepted requirements engineering methodologies and processes.	• Assignment 1 • Assignment 2
CLO3 : Develop major requirements engineering plans and artefacts for an example project.	• Test One • Test Two • Assignment 1 • Assignment 2
CLO4 : Assess the need, role and contribution of requirements engineering in project and business contexts.	• Assignment 1 • Assignment 2

Learning and Teaching Technologies

Moodle - Learning Management System | Blackboard Collaborate

Assessments

Assessment Structure

Assessment Item	Weight	Relevant Dates
Test One Assessment Format: Individual Short Extension: Yes (3 days)	15%	Due Date: 05/08/2024 11:55 PM
Assignment 1 Assessment Format: Individual Short Extension: Yes (3 days)	30%	Due Date: 02/09/2024 11:55 PM
Test Two Assessment Format: Individual Short Extension: Yes (3 days)	15%	Due Date: 23/09/2024 11:55 PM
Assignment 2 Assessment Format: Individual Short Extension: Yes (3 days)	40%	Due Date: 14/10/2024 11:55 PM

Assessment Details

Test One

Assessment Overview

Test questions are developed from the revision questions at the end of each chapter of the course text. Test 1 covers material from Chapters 1 – 3; Test 2 covers material from Chapters 4 – 9 of the course text.

Note that tests are open for one week, and you must have completed each test by the nominated close dates. You can attempt each test only once—your mark will be based on that attempt. Please note that the tests are timed, and you must complete as many questions as you can within the set time. Feedback is provided immediately at the end of the test.

Course Learning Outcomes

- CLO1 : Articulate the processes and management practices associated with the requirements engineering discipline.
- CLO3 : Develop major requirements engineering plans and artefacts for an example project.

Assignment 1

Assessment Overview

The two assignments (posted on the online site) allow you to demonstrate your ability to apply the knowledge and understanding you have gained throughout the course. They require higher-order independent thinking beyond the ability to read, comprehend, and remember the information provided in the course text. They will help you connect all the discrete areas studied in each chapter, particularly chapters 4-8.

You are expected to exert significant effort to complete your assignments (worth 70% of the course marks and approximately 90 hours of effort). Marks for the assignments will be allocated based on the effort you apply and the depth of understanding you demonstrate.

For those students who submitted assignments on time (by the due date), feedback will be available via Moodle two weeks after the due dates.

Course Learning Outcomes

- CLO1 : Articulate the processes and management practices associated with the requirements engineering discipline.
- CLO2 : Assess strengths and weaknesses of accepted requirements engineering methodologies and processes.
- CLO3 : Develop major requirements engineering plans and artefacts for an example project.
- CLO4 : Assess the need, role and contribution of requirements engineering in project and business contexts.

Test Two

Assessment Overview

Test questions are developed from the revision questions at the end of each chapter of the course text. Test 1 covers material from Chapters 1 – 3; Test 2 covers material from Chapters 4 – 9 of the course text.

Note that tests are open for one week, and you must have completed each test by the nominated close dates. You can attempt each test only once—your mark will be based on that attempt. Please note that the tests are timed, and you must complete as many questions as you can within the set time. Feedback is provided immediately at the end of the test.

Course Learning Outcomes

- CLO1 : Articulate the processes and management practices associated with the requirements engineering discipline.

- CLO3 : Develop major requirements engineering plans and artefacts for an example project.

Assignment 2

Assessment Overview

The two assignments (posted on the online site) allow you to demonstrate your ability to apply the knowledge and understanding you have gained throughout the course. They require higher-order independent thinking beyond the ability to read, comprehend, and remember the information provided in the course text. They will help you connect all the discrete areas studied in each chapter, particularly chapters 4-8.

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General Assessment Information

Use of Generative AI in Assessments

As this assessment task involves some planning or creative processes, you are permitted to use software to generate initial ideas. However, you must develop or edit those ideas to such a significant extent that what is submitted is your own work, i.e., only occasional AI-generated words or phrases may form part of your final submission. It is a good idea to keep copies of the initial prompts to show your lecturer if there is any uncertainty about the originality of your work.

If the outputs of generative AI, such as ChatGPT form a part of your submission, it will be regarded as serious academic misconduct and subject to the standard penalties, which may include 00FL, suspension, and exclusion.

** To cite: OpenAI (Year Accessed). ChatGPT. OpenAI. https://openai.com/models/chatgpt/*

* Please note that the outputs from these tools are not always accurate, appropriate, or properly referenced. Before submission, you should ensure that you have moderated and critically evaluated the outputs from generative AI tools such as ChatGPT.

Grading Basis

Standard

Course Schedule

Teaching Week/Module	Activity Type	Content
Week 1 : 15 July - 19 July	Lecture	Chapter 1 Introduction
Week 2 : 22 July - 26 July	Lecture	Chapter 2 Requirements Engineering Framework
Week 3 : 29 July - 2 August	Assessment	
	Lecture	Chapter 3 A Conceptual Design Methodology
Week 4 : 5 August - 9 August	Lecture	Chapter 4 Identify Major Stakeholders & Constraints
	Assessment	
Week 5 : 12 August - 16 August	Lecture	Chapter 5 Define Business Needs
Week 6 : 19 August - 23 August	Lecture	Chapter 6 Scope System and Define Business Requirements
Week 7 : 9 September - 13 September	Lecture	Chapter 7 Define Stakeholder Needs & Requirements
Week 8 : 16 September - 20 September	Lecture	Chapter 8 Define System Requirements
	Assessment	
Week 9 : 23 September - 27 September	Lecture	Chapter 9 Requirements Writing
Week 10 : 30 September - 4 October	Lecture	Project failure
Week 11 : 7 October - 11 October	Lecture	Test 2 closes 25 Sep
	Assessment	
Week 12 : 14 October - 18 October	Lecture	Assignment 2
Week 13 : 21 October - 25 October	Lecture	Assignment 2
	Assessment	

Attendance Requirements

Students are strongly encouraged to attend all classes and review lecture recordings.

Staff Details

Position	Name	Email	Location	Phone	Availability	Equitable Learning Services Contact	Primary Contact
Convenor	HUADONG MO		R118, Building 20	02511451 83	Huadong is usually available by email and during online consultation times via the Moodle Collaborate platform. I also welcome face-to-face discussion in my office during working hours by email appointment.	No	Yes
Lecturer	Bee Levett					No	No

Other Useful Information

School-specific Information

The Leaning Management System

Moodle is the Learning Management System used at UNSW Canberra. All courses have a Moodle site which will become available to students at least one week before the start of semester. Please find all help and documentation (including Blackboard Collaborate) at the Moodle Support page.

UNSW Moodle supports the following web browsers:
• Google Chrome 50+
• Safari 10+
Internet Explorer is not recommended. Addons and Toolbars can affect any browser's performance.

Operating systems recommended are:
• Windows 10,
• Mac OSX Sierra,
• iPad IOS10

Further details:
Moodle System Requirements
Moodle Log In

If you need further assistance with Moodle:

For enrolment and login issues please contact:

IT Service Centre

Email: itservicecentre@unsw.edu.au

Phone: (02) 9385-1333

International: +61 2 9385 1333

For all other Moodle issues please contact:

External TELT Support

Email: externalteltsupport@unsw.edu.au

Phone: (02) 9385-3331

International: +61 2 938 53331

Opening hours:

Monday – Friday 7:30am – 9:30 pm

Saturday & Sunday 8:30 am – 4:30pm

Study at UNSW Canberra

Study at UNSW Canberra has lots of useful information regarding:

• Where to get help

• Administrative matters

• Getting your passwords set up

• How to log on to Moodle

• Accessing the Library and other areas.

UNSW Canberra Student Hub

For News and Notices, Student Services and Support, Campus Comminity, Quick Links, Important Dates and Upcoming Events

School Contact Information

Deputy Head of School (Education): Dr Erandi Hene Kankanamge

E: e.henekankanamge@adfa.edu.au

T: 02 5114 5157

Syscom Admin Support: syscom@unsw.edu.au

T: 02 5114 5284

Syscom Admin Office: Building 15, Level 1, Room 101 (open 10am to 4pm, Mon to Fri)