

ARBE6617: Disaster Resilience Economics and Business Resilience

Callaghan and Online
Trimester 2 - 2024



THE UNIVERSITY OF
NEWCASTLE
AUSTRALIA

OVERVIEW

Course Description	This course provides students with a systematic approach to disaster risk reduction and explores the role and function of private businesses in reducing disaster risk. Students gain an appreciation of the role economic plays in business decisions in a disaster risk and resilience context.
Academic Progress Requirements	Nil
Requisites	Students who have completed ARBE6608 cannot enrol in this course.
Contact Hours	<p>Callaghan Workshop Face to Face On Campus 3 hour(s) per week(s) for 1 week(s) starting Week 1</p> <p>Workshop Face to Face On Campus 3 hour(s) per week(s) for 1 week(s) starting Week 4</p> <p>Workshop Face to Face On Campus 3 hour(s) per week(s) for 1 week(s) starting Week 8</p> <p>Workshop Face to Face On Campus 3 hour(s) per week(s) for 1 week(s) starting Week 11</p>
Unit Weighting Workload	10 Students are required to spend on average 120-140 hours of effort (contact and non-contact) including assessments per 10-unit course.

COURSE OUTLINE

CONTACTS

Course Coordinator **Callaghan and Online**
Dr Thomas Cooper-Johnson
Thomas.Johnson@newcastle.edu.au
(02) 4055 3430
Consultation: Via appointment

A/Pr Thayaparan Gajendran
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(02) 4921 5781
Consultation: Via appointment

Teaching Staff Other teaching staff will be advised on the course Canvas site.

School Office **School of Architecture and Built Environment**
Architecture Building
Callaghan
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SYLLABUS

Course Content Topics will include:

- Economics and disaster resilience
- Basic Micro and Macro Economic principles
- Role of government policy in disaster risk management for businesses
- Business governance and Economics in disaster
- Business continuity
- Recovery financing
- Public-private partnerships in DRR
- Resilience and the private sector
- Disaster risk reduction assessment tools
- Hazard identification and the subsequent management of risk
- Implementation strategies for current UN Frameworks in a business context

Course Learning Outcomes **On successful completion of this course, students will be able to:**

1. Explain how economics can inform disaster risk and resilience
2. Apply economic concepts to deliver the objectives of private businesses in a disaster context
3. Identify the organisational, environmental, and social systems, policies and procedures that influence a given private sector/business organisation for potential hazards.
4. Develop an effective disaster risk reduction plan for a given business context based on identified risk and hazards

Course Materials All course materials will be made available through the Canvas course site.

ASSESSMENTS

This course has 3 assessments. Each assessment is described in more detail in the sections below.

	Assessment Name	Due Date	Involvement	Weighting	Learning Outcomes
1	Quizzes	Quiz 1 (5%) open from 2/6/24 – 9/6/24 Quiz 2 (5%) open from 23/6/24 – 30/6/24 Quiz 3 (5%) open from 14/7/24 – 21/7/24 Quiz 4 (5%) open from 28/7/24 – 4/8/24	Individual	20%	1, 2, 3
2	Case Study	28 th of June, 2024 at 11:55pm	Individual	40%	1, 2, 3
3	Business Continuity Plan	2 nd of August, 2024 at 11:55pm	Individual	40%	2, 3, 4

Late Submissions The mark for an assessment item submitted after the designated time on the due date, without an approved extension of time, will be reduced by 10% of the possible maximum mark for that assessment item for each day or part day that the assessment item is late. Note: this applies equally to week and weekend days.

Assessment 1 - Quizzes

Assessment Type Quiz

Description The four quizzes are aligned to the content in each of four modules. Each quiz is open for one week and is worth 5% each. This is an online, open book, multiple-choice test that will assess aspects of your understanding of the course content. You should therefore not attempt it until you are confident of your abilities. You will have the opportunity to retake the test once within the timeframe with the highest score recorded. You will not be able to partially complete the test and return to complete it at a later date.

Weighting 20%

Due Date Quiz 1 (5%) open from 2/6/24 – 9/6/24
Quiz 2 (5%) open from 23/6/24 – 30/6/24
Quiz 3 (5%) open from 14/7/24 – 21/7/24
Quiz 4 (5%) open from 28/7/24 – 4/8/24

Submission Method Online

Opportunity to Reattempt Students can attempt each quiz twice with the best score kept.

Assessment 2 – Case Study

Assessment Type Report

Description Please refer to the Assignment Brief on Canvas for details.

Weighting 40%

Due Date 28th of June, 2024 at 11:55pm

Submission Method Online - Only digital submissions will be accepted via Turnitin, accessible via Canvas. Your report is to be submitted electronically therefore in order to avoid difficulties in uploading, ensure the size of your submission has been reduced not to exceed 20Mb prior to submitting via Turnitin available on the Canvas site.

Assessment Criteria A marking rubric will be available separately online on Canvas.

Feedback Provided Feedback provided within three weeks

Opportunity to Reattempt Students WILL NOT be given the opportunity to reattempt this assessment.

Assessment 3 - Business Continuity Plan

Assessment Type Proposal / Plan

Description Please refer to the Assignment Brief on Canvas for details.

Weighting 40%

Due Date 2nd of August, 2024 at 11:55pm

Submission Method Online - Only digital submissions will be accepted via Turnitin, accessible via Canvas. Your report is to be submitted electronically therefore in order to avoid difficulties in uploading, ensure the size of your submission has been reduced not to exceed 20Mb prior to

Assessment Criteria
Feedback Provided
Opportunity to Reattempt

submitting via Turnitin available on the Canvas site.
A marking rubric will be available separately online on Canvas.
Feedback provided within three weeks
Students WILL NOT be given the opportunity to reattempt this assessment.

ADDITIONAL INFORMATION

Grading Scheme

This course is graded as follows:

Range of Marks	Grade	Description
85-100	High Distinction (HD)	Outstanding standard indicating comprehensive knowledge and understanding of the relevant materials; demonstration of an outstanding level of academic achievement; mastery of skills*; and achievement of all assessment objectives.
75-84	Distinction (D)	Excellent standard indicating a very high level of knowledge and understanding of the relevant materials; demonstration of a very high level of academic ability; sound development of skills*; and achievement of all assessment objectives.
65-74	Credit (C)	Good standard indicating a high level of knowledge and understanding of the relevant materials; demonstration of a high level of academic achievement; reasonable development of skills*; and achievement of all learning outcomes.
50-64	Pass (P)	Satisfactory standard indicating an adequate knowledge and understanding of the relevant materials; demonstration of an adequate level of academic achievement; satisfactory development of skills*; and achievement of all learning outcomes.
0-49	Fail (FF)	Failure to satisfactorily achieve learning outcomes. If all compulsory course components are not completed the mark will be zero. A fail grade may also be awarded following disciplinary action.

*Skills are those identified for the purposes of assessment task(s).

Communication Methods

Communication methods used in this course include:

Course Evaluation

Each year feedback is sought from students and other stakeholders about the courses offered in the University for the purposes of identifying areas of excellence and potential improvement.

Oral Interviews (Vivas)

As part of the evaluation process of any assessment item in this course an oral examination (viva) may be conducted. The purpose of the oral examination is to verify the authorship of the material submitted in response to the assessment task. The oral examination will be conducted in accordance with the principles set out in the [Oral Examination \(viva\) Procedure](#). In cases where the oral examination reveals the assessment item may not be the student's own work the case will be dealt with under the [Student Conduct Rule](#).

Academic Misconduct

All students are required to meet the academic integrity standards of the University. These standards reinforce the importance of integrity and honesty in an academic environment. Academic Integrity policies apply to all students of the University in all modes of study and in all locations. For the Student Academic Integrity Policy, refer to <https://policies.newcastle.edu.au/document/view-current.php?id=35>.

Adverse Circumstances

The University acknowledges the right of students to seek consideration for the impact of allowable adverse circumstances that may affect their performance in assessment item(s). Applications for special consideration due to adverse circumstances will be made using the online Adverse Circumstances system where:

1. the assessment item is a major assessment item; or

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2. the assessment item is a minor assessment item and the Course Co-ordinator has specified in the Course Outline that students may apply the online Adverse Circumstances system;
 3. you are requesting a change of placement; or
 4. the course has a compulsory attendance requirement.
- Before applying you must refer to the Adverse Circumstance Affecting Assessment Items Procedure available at:
<https://policies.newcastle.edu.au/document/view-current.php?id=236>

**Important Policy
Information**

The Help button in the Canvas Navigation menu contains helpful information for using the Learning Management System. Students should familiarise themselves with the policies and procedures at <https://www.newcastle.edu.au/current-students/respect-at-uni/policies-and-procedures> that support a safe and respectful environment at the University.

This course outline was approved by the Head of School. No alteration of this course outline is permitted without Head of School approval. If a change is approved, students will be notified and an amended course outline will be provided in the same manner as the original.

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