



ASSESSMENT 1 BRIEF	
Subject Code and Title	MFA501 Mathematical Foundations of AI
Assessment	Theory Test
Individual/Group	Individual
Length	60 minutes. 20 questions consisting of multiple choice questions, true/false, and fill in the blanks.
Learning Outcomes	This assessment addresses the Subject Learning Outcomes outlined at the bottom of this document.
Submission	This assessment will be made available to students from Monday, 12 noon (AEST) of Module 3. This assessment will close on Sunday, 11.55pm (AEST) of Module 3
Weighting	20%
Total Marks	100 marks

Task Summary

In this assessment, you are required to answer 20 questions. The questions will be derived from the content covered in Modules 1- 2. This assessment is to be completed individually and you are required to submit your responses to the exam questions on Blackboard prior to 11:55pm AEST Friday of Module 3.

Context

Leveraging AI techniques to solve real-world problems requires an in-depth understanding of the mathematical theories behind them. In this assessment, you should use the theories and mathematical models covered in modules 1 to 2 to answer the exam questions to demonstrate your knowledge of the mathematical foundations of AI.

Instructions:

- Review the learning resources for Module 1 – Module 2 before undertaking the quiz.
- You only have **one attempt** at the quiz
- This quiz is made up of **20 questions**.
- You will have **60 minutes to complete** the quiz.
- This quiz will comprise of a mixture of multiple-choice, true or false and fill in the blank questions.
- The quiz attempt will shut down at the 60 minute duration.
- If you leave the quiz for a period of time prior to completion there will a forced completion.



- Your quiz answers will be recorded automatically and your grade will be generated on completion.
- The final grade will be 20% of your overall grade.

All the very best!

Submission Instructions:

The quiz will be available throughout the week of Module 3, **closing at 11.55pm AEST on Sunday evening**. Upon completing, students should submit their quiz for automated marking. Your score will be available immediately and entered in the Grade Centre.