

# MATH0039 Differential and Integral Calculus

<i>Year:</i>	2024{2025
<i>Code:</i>	MATH0039
<i>Level:</i>	4 (UG)
<i>Normal student group(s):</i>	UG: Students outside Mathematics
<i>Value:</i>	15 credits (= 7.5 ECTS credits)
<i>Term:</i>	1
<i>Assessment:</i>	85% examination, 15% coursework
<i>Normal Pre-requisites:</i>	A-level Maths or strong GCSE
<i>Lecturer:</i>	Mr Teymour Gray & Mr Elvar Atlason

## *Course Description and Objectives*

This course provides a fairly rapid introduction to calculus. Calculus underlies almost all areas

(b) As an area.

(c) As a summation. Standard forms. Methods of changing integrals into standard form.

6. **Approximate or numerical integration.** Trapezoidal approximation.

7. **Simple differential equations and applications.**

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