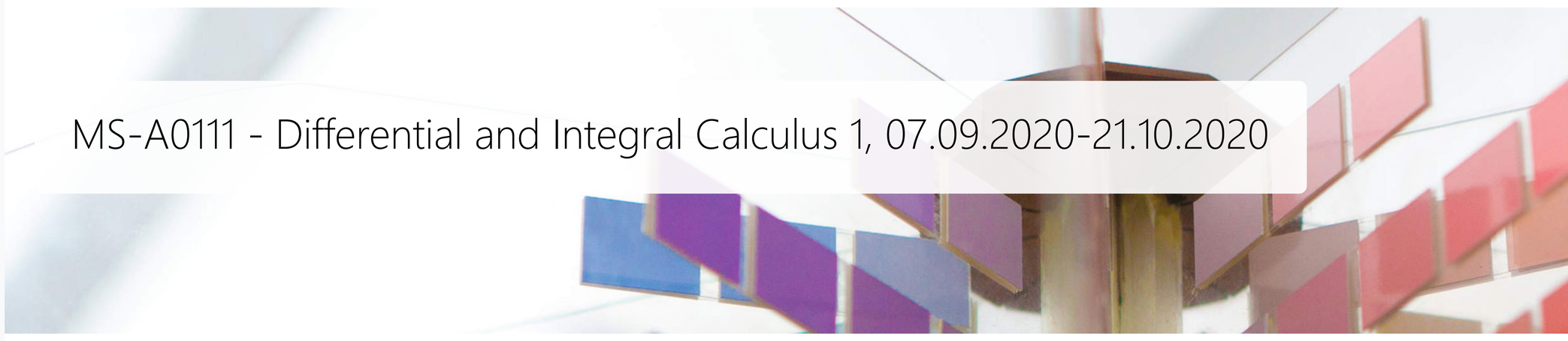

MS-A0111 - Differential and Integral Calculus 1, 07.09.2020-21.10.2020

Started on	Sunday, 4 June 2023, 12:02 PM
State	Finished
Completed on	Sunday, 4 June 2023, 12:02 PM
Time taken	12 secs
Grade	**1.00** out of 3.00 (**33.33**%)

Quiz navigation

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Finish review

Question **1**

Flag question Mark 1.00 out of 1.00 Correct

What is the solution of $y'(x) + 3xy(x) = 0$?

Select one or more:

- a. $c_1 e^{-\frac{3x^3}{2}}$
- b. $c_1 e^{-\frac{3x^2}{2}}$ ✓ Yes!
- c. $c_1 e^{-\frac{x^2}{2}}$

Your answer is correct.

The correct answer is: $c_1 e^{-\frac{3x^2}{2}}$

Question **2**

Flag question Mark 0.00 out of 1.00 Incorrect

Implicit methods are impossible to use, since we cannot know the answer in the future!

Select one or more:

- a. No.
- b. Yes. ✗ Well, I respectfully disagree.

Your answer is incorrect.

The correct answer is: No.

Question **3**

Flag question Mark 0.00 out of 1.00 Incorrect

Consider $\frac{d^4y}{dx^4} + (3x+2)\frac{d^2y}{dx^2} = \sin x$. What is the order of the problem?

Select one or more:

- a. 1
- b. 2 ✗ No!
- c. 4

Your answer is incorrect.

The correct answer is: 4

Finish review