

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

Grades

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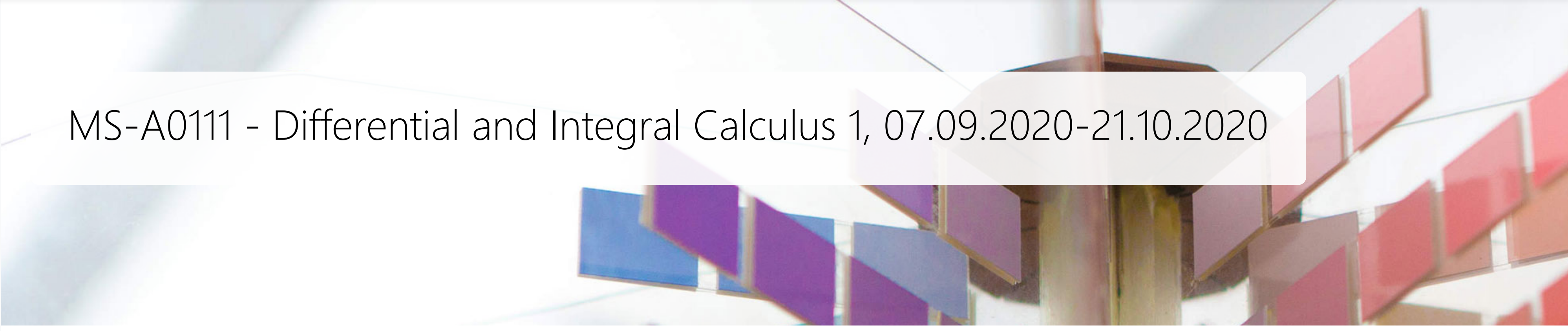
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Started on	Monday, 7 September 2020, 11:32 AM
State	Finished
Completed on	Tuesday, 8 September 2020, 8:40 AM
Time taken	21 hours 8 mins
Grade	3.00 out of 3.00 (100%)

Quiz navigation

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✓

✓

✓

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Question 1

Flag question

Mark 1.00 out of 1.00

Correct

Find the limit of the sequence

$$a_n = \frac{2n^2}{n^2 + n + 1}$$

as  $n \rightarrow \infty$ .

Select one or more:

- ☐ a. 0
- ☒ b. 2

Wonderful stuff!
- ☐ c. 1

Your answer is correct.

The correct answer is: 2

Question 2

Flag question

Mark 1.00 out of 1.00

Correct

Evaluate the limit  $\lim_{x \rightarrow 1} \frac{x^4 + 2x^2 - 3}{x^2 - 3x + 2}$ .

Select one or more:

- ☐ a. 8
- ☐ b. 0
- ☒ c. -8

Wonderful stuff!

Your answer is correct.

The correct answer is: -8

Question 3

Flag question

Mark 1.00 out of 1.00

Correct

Is the function  $f(x) = |x|$  continuous over the interval  $x \in [-1, 1]$ ?

Select one or more:

- ☐ a. No
- ☒ b. Yes

Wonderful stuff!

Your answer is correct.

The correct answer is: Yes

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