Differentiation of functions of one variable 151 (MAT 151)

Qualification	Undergraduate
Faculty	Faculty of Natural and Agricultural Sciences
Module credits	8.00
Prerequisites	MPR 193 and MPR 194
Contact time	2 lectures per week, 1 discussion class per week
Language of tuition	English
Academic organisation	Mathematics and Applied Maths
Period of presentation	Semester 1

Module content

Functions, limits and continuity. Differential calculus of single variable functions, rate of change, curve sketching, applications. The mean value theorem, the rule of L'Hospital. Elementary functions: Exponential functions and their derivatives, logarithmic functions and their derivatives, inverse trigonometric functions, hyperbolic functions, indeterminate forms.

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