

Mathematical tools

ECTS : 2

Volume horaire : 9

Description du contenu de l'enseignement :

Week 1: Derivatives and Bijection

Week 2: Convexity

Week 3: Antiderivatives

Week 4: Integration

Week 5: Integration by part

Week 6: Wrap up and past papers

Compétence à acquérir :

Learning Outcomes

On completion of this module, students will be able to:

work confidently with derivatives

work confidently with simple limits calculation

define a bijection

define an inverse function

work confidently with simple integration and integration by part

Course Objectives

The main purpose of this module is to give tools to students for other math modules (statistics, Optimisation, linear algebra, financial math, microeconomics...)

Mode de contrôle des connaissances :

Grading Criteria

Final exam:100%

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