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%