Mathematical tools

ECTS : 4

Enseignants : Denis PASQUIGNON, Nejla NOUAILI
https://dauphine.psl.eu/recherche/cvtheque/nouaili-nejla

Langue du cours : Français

Volume horaire : 36

Description du contenu de l'enseignement :

The main purpose of this module is to give tools to students for other math modules (statistics, optimization, linear algebra, financial math, microeconomics…).Week 1 : Study of functionsWeek 2,3 : Line equationWeek 4,5,6 : Polynomial, logarithm, exponential functionWeek 7,8 : Power functionWeek 9,10,11,12 : Differentiability of function with one or two variables.

Compétences à acquérir :

On completion to this module, students will improve their skills to derivate real functions with one variable or two variables.

Pré-requis obligatoires

The senior year program in mathematics.

Mode de contrôle des connaissances :

Grading Criteria : Midterm exam and Final Exam 50% each

Coefficient : 0.75

Document susceptible de mise à jour - 04/11/2026
Université Paris Dauphine - PSL - Place du Maréchal de Lattre de Tassigny - 75775 PARIS Cedex 16