MATH2200 Infinitesimal analysis (complements)

[45h] 5 credits

This course is taught in the 2nd semester

Teacher(s): Thierry De Pauw, Thierry De Pauw
Language: French
Level: Second cycle

Aims

To give a more advanced formation in the field of mathematical analysis.

Main themes

The course starts with an introduction to geometric measure theory. Its content will vary from year to year. For example, it can be based on some of the following subjects:
Differentiation of measures
Approximation of functions by regular functions
Area and coarea
Rectifiability
Introduction to Plateau problems
Regularity of Lipschitzian solutions of the minimal surface equation.

Other information (prerequisite, evaluation (assessment methods), course materials recommended readings, ...)

Prerequisites: MATH 2110.
Support: reference books: Bonsall F.F. et Ducan J., Numerical ranges of operators; Kadison R.V. et Ringrose J.R., Fundamentals of the Theory of Operator Algebras.

Other credits in programs

MATH22/G Deuxième licence en sciences mathématiques (5 credits)