Faculty of Sciences

MAT1221   Mathematical analysis 3

[45h+45h exercises] 9 credits

This course is taught in the 1st semester

Teacher(s):	Thierry De Pauw, Camille Debiève, Jean Mawhin
Language:	French
Level:	First cycle

Aims

The mathematical analysis 3 course concerns integrals, suites and series of functions containing several real variables. The student will be able to master the theory and the applications with concrete or abstract problems.

Main themes

Integrals functions, measurable functions ;
Suites and series of functions, representation;
Vectorial and exterior analysis ;

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

Prerequisite : Mathematical analysis 1 and 2, linear algebra.

Other credits in programs

MATH12BA	Deuxième année de bachelier en sciences mathématiques	(9 credits)	Mandatory