



MAFY1181 Actualities in Mathematics and Physics

[15h] 2 credits

This course is taught in the 1st semester

Teacher(s): Francis Borceux, Bernard Piraux
Language: French
Level: First cycle

Aims

This series of lectures intends to motivate the student by giving him/her an open and attractive view of today's mathematics and physics. It should also help to finalize the choice of studies at the end of the first year.

Main themes

Ten independent non technical talks, accessible to every first year student in mathematics or physics, on various topics in these areas on which research is presently developed.

Content and teaching methods

Each student will attend all the talks and write a ten pages report, containing two distinct parts.

- * a first part (two or three pages) explaining the vision of mathematics and physics that he/she got from these lectures, in comparison with his/her corresponding vision at the end of highschool;
- * a second part devoted to investigate more deeply the topic of one of the lectures; to achieve this, the student is invited to develop some personal work on the basis of the references given by the lecturer.

Other credits in programs

FSA13BA	Troisième année de bachelier en sciences de l'ingénieur, orientation ingénieur civil	(2 credits)	
MATH11BA	Première année de bachelier en sciences mathématiques	(2 credits)	Mandatory
PHYS11BA	Première année de bachelier en sciences physiques	(2 credits)	Mandatory
SINF12BA	Deuxième année d'études de bachelier en sciences informatiques	(2 credits)	