MAT1323 Topology

[22.5h+15h exercises] 3 credits

This course is taught in the 1st semester

Teacher(s): Yves Félix, Pascal Lambrechts
Language: French
Level: First cycle

Aims

The objective is on one hand to initiate students to the notion of topological space and on the other hand to make them find short proofs of topological properties.
After this course they will be :
- familiar with a large series of topological spaces
- able to establish continuity/discontinuity of maps between topological spaces;
- able to recognize and to establish the compactness and connectedness of topological spaces and to draw conclusions;
- able to build and write short proofs concerning topological properties.

Main themes

Metric spaces
Topological spaces
Continuous maps .
Hausdorff spaces
Compact spaces
Connectedness

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

Prerequisite : Mathematical analysis 3

Other credits in programs

FSA13BA	Troisième année de bachelier en sciences de l'ingénieur, orientation ingénieur civil	(3 credits)	
MATH13BA	Troisième année de bachelier en sciences mathématiques	(3 credits)	Mandatory