

**SC****MATH2130 Géométrie riemannienne**

[22.5h] 2.5 credits

This course is taught in the 1st semester

**Teacher(s):** Mélanie Bertelson  
**Language:** french  
**Level:** 2nd cycle course

**Aims**

The course aims to give an introduction to the metric theory of manifolds from the tools of topology, analysis and geometry elaborated in the other courses of the 3rd year.

**Main themes**

The course's object is the study of Riemannian manifolds. It contains the basic results and treats of important examples that are the hyperbolic spaces, the Lie groups and the symmetric spaces.

**Other credits in programs**

<b>MATH21/G</b>	Première licence en sciences mathématiques (Général)	(2.5 credits)
<b>MATH22/E</b>	Deuxième licence en sciences mathématiques (Economie mathématique)	(2.5 credits)
<b>MATH22/G</b>	Deuxième licence en sciences mathématiques	(2.5 credits)
<b>MATH22/S</b>	Deuxième licence en sciences mathématiques (Statistique)	(2.5 credits)