MATH-731(2)

Topics in geometric analysis II

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Cursus	Sem.	Type
Mathematics		Obl.

Language of teaching	English
Credits	2
Session	
Exam	Oral
Workload	60h
Hours	**28**
Lecture	4
Practical work	24
Number of positions	

Frequency

Every 2 years

Remark

Next time: Spring 2019

Summary

The goal of this course is to introduce the student to the basic notion of analysis on metric (measure) spaces, quasiconformal mappings, potential theory on metric spaces, etc. The subjects covered will vary each year.

Content

Geometric Analysis, which was traditionally dealing with smooth Riemannian manifolds has been developed over the last two decades to the context of non Riemannian metric spaces which may be quite irregular. This development has revitalized the subject of metric geometry which faded away after 1940. The goal of this course is to introduce the student to the basic notion of analysis on metric (measure) spaces, quasiconformal mappings, potential theory on metric spaces, etc. The subjects covered will vary each year.

Resources

Websites

- http://wiki.epfl.ch/grtr