

**COURSE PROPOSAL FOR “ADVANCED STUDIES IN
MATHEMATICS” MASTER AT FMI**

Title of the Proposal:

Proposed by:

Level: M2

Academic Year: 2022 – 2023

Semester (choose at least one option): Autumn/Spring

Description of the Course Proposal; the Course Outline:

Please add your description below; if it is a continuation of a previous course please provide us with some details: title, year, semester of this course. Please attempt to fit your proposal in one of the following areas, for which the current students expressed special interest:

1. Analysis on manifolds
2. Complex analysis in many variables
3. Dynamical systems
4. Lie groups
5. Analysis on fractals
6. Algebraic topology
7. Number theory
- 8-10. Algebra and geometry

List of five relevant Publications of the Proposer:

1. LastName, FirstName: *Title of the Paper*. Journal-ref.
- 2.
- 3.
- 4.
- 5.