

MASTER 2 - PURE MATHEMATICS  
“TOPOLOGY, GEOMETRY AND SINGULARITIES”  
MARSEILLE - 2022-2023



This one-year taught master's course in Pure Mathematics provides an advanced training in Topology, Algebraic Geometry and Singularity Theory. It is an excellent preparation for mathematical research and will enable the student to proceed to the forefront of knowledge in one of these fields.

More details (registration master class, program, scholarships,...) can be found on the webpage of the master:

<https://sites.google.com/view/marseille-master-2-2022-2023>

**Program:**

**2 intensives lectures in September:**

- 1) Algebraic Topology (B. Audoux / D. Moussard)
- 2) Différentiel Geometry (A. Pichon)

**3 lectures on the 1st Semester:**

- 3) Low-dimensional Topology (B. Audoux / D. Moussard)
- 4) Semi-Algebraic Geometry and o-minimality (G. Comte / G. Rond)
- 5) Introduction to Complex Analytic Geometry (A. Teleman)

**3 lectures on the 2nd Semester:**

- 6) Geometry of Complex Singular Spaces (A. Pichon)
- 7) Local Algebraic Aspects of Singularities (G. Rond)
- 8) Topology of the Real Algebraic Varieties (F. Mangolte)