



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Advanced Computational Methods: theory of rare events with applications to Materials Science

2122-79R-M5

Title

Advanced Computational Methods: theory of rare events with applications to materials science

Teacher(s)

Prof. Graeme Henkelman, University of Texas-Austin (USA)

Language

English

Short description

1. Review of Statistical Mechanics
2. Computational Methods for Statistical Mechanics
3. The Challenge of Rare Events in Material Science
4. Advanced Methods for Simulating Rare Events and Dynamics over Long Time Scales

CFU / Hours

1 CFU, 8 hours

Teaching period

Spring 2022

From May 16 to May 20 (14.30-16.30).
