



Lectures provided XL ciclo Lectures and Lecturers

<i>Lectures</i>	CFU	SSD	Hours of lectures
1. Theoretical and computational physics of the liquid state of matter (S. Prestipino Giarritta – G. Munaò)	2 CFU	PHYS-04/A	12
2. Structural and dynamic characterization of complex systems by spectroscopic techniques (V. Crupi - C. Corsaro)	2 CFU	PHYS-03/A	12
3. Nonequilibrium statistical mechanics (A. Sergi)	1CFU	PHYS-02/A	6
4. Complex quantum systems and nano-optics (O. Di Stefano - R. Saija - S. Savasta)	2 CFU	PHYS-04/A	12
5. Experimental physics applied to environmental and cultural heritage, biology and medicine (D. Majolino – V. Venuti – F. Caridi)	2 CFU	PHYS-06/A	12
6. Interaction of radiation with matter, plasmas, analysis and processing of materials (L. Torrisi - L. Silipigni – M. Cutroneo)	2 CFU	PHYS-03/A	12
7. Micro- and nanomaterials (F. Neri – E. Fazio)	2 CFU	PHYS-03/A	12
8. Nanomaterials and devices (S. Patanè – C. Triolo)	1 CFU	PHYS-03/A	6
9. Physics of disordered systems, polymers and biophysics (U. Wanderlingh – C. Branca)	2 CFU	PHYS-03/A	12
10. Physical methodologies for the study of condensed matter and the modeling of complex systems. (S. Magazù)	1 CFU	PHYS-03/A	6
11. Dynamics of nuclear reactions (A. Trifirò – M. Trimarchi)	2 CFU	PHYS-01/A	12
12. Baryonic resonances and hadronic cross sections in particle physics (G. Mandaglio)	1 CFU	PHYS-01/A	6
13. Geophysical and geodynamic studies using physical methodologies (B. Orecchio - D. Presti)	2 CFU	GEOS-04/A	12

Dipartimento MIFT

Coordinatore del Dottorato di Ricerca in Fisica Prof.ssa V. Crupi – vcrupi@unime.it – 0906765004
Responsabile Unità di Staff Didattica Dott.ssa P. Donato – pdonato@unime.it – 0906765448



DIPARTIMENTO DI SCIENZE
MATEMATICHE E INFORMATICHE,
SCIENZE FISICHE E SCIENZE DELLA TERRA
Dottorato di Ricerca in Fisica

22 CFU (132 hours) – 13 lectures; 1 CFU = 6 hours

Lecture period of delivery: FEBRUARY 1st, 2025 –JULY 31st, 2025

Lecture timetable will be available disponibile on the website of the PhD Program from November 2025.

Teaching activity approved in the meeting of the PhD Board in Physics on May 13th, 2024 (Prot. n. 0060041 of 14/05/2024).

Dipartimento MIFT

*Coordinatore del Dottorato di Ricerca in Fisica Prof.ssa V. Crupi – vcrupi@unime.it – 0906765004
Responsabile Unità di Staff Didattica Dott.ssa P. Donato – pdonato@unime.it – 0906765448*