



PhD in NANOTECHNOLOGY

LIST OF COURSES

Academic Year 2025-2026

For more details, visit [Nano4Students – TRAINING ACTIVITIES](#)

COURSE	TEACHER	CONTACT	PERIOD	LOCATION
Optical spectroscopy, SERS	Alois Bonifacio	abonifacio@units.it	June 2026	Building B
Elements of molecular modeling for nanotechnology	Paola Posocco	paola.posocco@dia.units.it	December 2026	Building B
Nanofabrication: an essential and eclectic tool for nano-science and nano-technology	Simone Dal Zilio	dalzilio@iom.cnr.it	April 2026	Building C11
Design and analysis of experiments for nanotechnology	Stefano Fornasaro	sfornasaro@units.it	May 2026	Building C11
Microscopy - Basic principles and related applications	Regina Ciancio	regina.ciancio@areasciencepark.it	October 2026	Building C11
Microscopia elettronica TEM in pratica	Paolo Bertocin	pbertoncin@units.it	May 2026	Building C11
Analytical Chemistry in the Drug Substance (DS) Production: from Development to Validation	Maria Chiara Bezze	chiara.bezze@fisvi.com	April 2026	Building B



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Need for speed in clinical diagnostic: from spectroscopy to Point of Care IVD devices	Elisa Gurian	elisa.gurian@alifax.com	June 2026	Building B
Open Science and FAIR Data	Mariarita de Luca	mariarita.deluca@areasciencepark.it	July 2026	Building C11
Advanced optical microscopy for nanotechnology	Danut Cojoc	cojoc@iom.cnr.it	May 2026 or beginning of July 2026	Building C11
Imaging with high-energy photons and low-energy electrons	Alessandro Sala	sala@iom.cnr.it	May 2026	Building C11
Infrared spectroscopy: from macro to nanoscale on the molecules of life	Lisa Vaccari	lisa.vaccari@elettra.eu	June 2026	Building C11
Scanning probe microscopies	Cristina Africh/ Cinzia Di Giorgio	africh@iom.cnr.it digiorgio@iom.cnr.it	October 2026	Building C11
X-ray photoelectron spectroscopy	Alessandro Baraldi	abaraldi@units.it	June 2026	Building C11
X-ray photoelectron diffraction	Silvano Lizzit	silvano.lizzit@elettra.eu	July 2026	Building C11
Valence band and angle resolved photoemission spectroscopy ARPES	Luca Petaccia	luca.petaccia@elettra.eu	July 2026	Building C11
X-ray absorption spectroscopy	Luca Bignardi	lbignardi@units.it	May/June 2026	Building C11
Characterization of 2D SAM properties	Alberto Morgante	amorgante@units.it; morgante@iom.cnr.it	May/June 2026	Building C11



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2D self-assembled monolayers	Loredana Casalis	loredana.casalis@elettra.eu	February 2026	Building C11
Self-assembled monolayers in 3D	Lucia Pasquato	lpasquato@units.it	February 2026	Building C11
Nanostructures in catalysis	Paolo Fornasiero	pfornasiero@units.it	February 2026	Building C11
Nanotoxicology	Francesca Larese Filon	larese@units.it	June 2026	Building C11
Carbon nanostructures in nanomedicine	Tatiana Da Ros	daros@units.it	May 2026	Building C11