



## PhD in APPLIED DATA SCIENCE AND ARTIFICIAL INTELLIGENCE

### LIST OF COURSES

Academic Year 2024-2025

COURSE	TEACHER	CONTACT	PERIOD	LOCATION
Review of Statistics	Leonardo Egidi Francesco Pauli Nicola Torelli	legidi@units.it	Jan 23 – Feb 13	Building H2bis
From Data to Models: An Introduction to Health Research	Giulia Barbati Andrea Rocca Daniela Zugna	gbarbati@units.it	Feb 21 – Feb 28	Cattinara Hospital
Copula and Extreme Values	Roberta Pappadà Francesco Pauli	Rpappada@units.it	Feb 10 – Feb 19	Building H2bis
Population Based Optimisation Methods	Pietropolli (10),Virgolin (10)	GLORIA.PIETROPOLLI@units.it marco.virgolin@gmail.com	March	Central campus
Biodiversity Informatics	Martellos	martelst@units.it	Jun - Jul	Building M
Advanced topics in reinforcement learning	Celani	celani@ictp.it	Fine maggio inizio giugno	Central campus
Advanced topics in network analysis: theory and applications	De Stefano	ddestefano@units.it	May 2025	Central campus
Evolutionary Robotics	Medvet	emedvet@units.it	May 2025	Building C1, C2, C3
Introduction to tools and methods for research in AI	Manzoni (10), Medvet (2)	lmanzoni@units.it emdvet@units.it	Aprile 2025	Central campus
Introduction to Data Science for optimisation	Castelli, Gasparin	castelli@units.it	October 2025	Building C2, C3, H2bis



COURSE	TEACHER	CONTACT	PERIOD	LOCATION
		andrea.gasparin@dia.units.it		
Advanced topics in statistical modeling	Egidi, Pauli	legidi@units.it	Mar-Giu	Building H2Bis
Explainable AI	Bortolussi	lbortolussi@units.it	Ott-dic	Central campus,
Artificial Intelligence in society	Arnaldi	sarnaldi@units.it	April 15 – May 22	Room B, C7 Building (Tue), Room 0B, H3 Building (Thu)
Law and AI	Infantino	minfantino@units.it	March-April	Room B, C7 Building (Tue), Room 0B, H3 Building (Thu)
State estimation and fault detection: a set-based approach	Raimondo	davidemartino.raimondo@dia.units.it	April 28 – 29 May 5 – 6 May 12 – 13	Central campus
Neurosymbolic AI	Cairolì	Francesca.cairolì@units.it	Ott-dic	Central campus,

