

Seminar/Course	Research area	Professor		Hours	CFU	Modality
Python programming for Scientific Engineering	Transversal Skills: Mathematical and Statistical Methods	S. Tortora	Corso di dottorato in Ingegneria dell'informazione	20	4	in person
Data visualization	Transversal Skills: Mathematical and Statistical Methods	M. Ceccarello	Corso di Dottorato in Industrial Engineering	20	4	in person
Statistics for Engineers	Transversal Skills: Mathematical and Statistical Methods	L. Salmaso , R. Arboretti, M. Disegna	UNIPD	40	5	summer school
Heuristics for Mathematical Optimization	Transversal Skills: Mathematical and Statistical Methods	D. Salvagnin	Corso di dottorato in Ingegneria dell'informazione	20	4	in person
Entrepreneurship and Startup	Soft Skills	M. Muffatto, F. Ferrati	Corso di Dottorato in Industrial Engineering	20	4	in person
Research and Entrepreneurship: from scientific papers and IP to startup creation	Soft Skills	F. Dughiero	Corso di Dottorato in Industrial Engineering	24	4	in person
Bibliographic resources and research tools for PHD students in Industrial Engineering	Soft Skills	Librarians	UNIPD	8	2	in person
Academic English	Soft Skills	English teachers	UNIPD	60	12	in person
From researcher to entrepreneur	Soft Skills	D. Tacconi	Corso Dottorato Ingegneria Gestionale ed Estimo	16	3	in person
How to write a scientific paper	Soft Skills	D. Battini	Corso Dottorato Meccatronica e Innovazione Meccanica del Prodotto	10	2	in person
Basics of CAD modeling and technical drawing: how to read and understand Technical Product Documentation	Soft Skills	R. Meneghello, M. Maltauro	Corso Dottorato Meccatronica e Innovazione Meccanica del Prodotto	15	3	in person
Collaborative Robotics: towards smart manufacturing	Logistics and Industrial Plant	M. Faccio	Corso Dottorato Meccatronica e Innovazione Meccanica del Prodotto	10	2	in person
Resilient and inclusive workplaces in the Industry 5.0 era: Advanced methods and smart tools in the manufacturing work environment	Logistics and Industrial Plant	N. Berti	Corso Dottorato Meccatronica e Innovazione Meccanica del Prodotto	10	2	in person
Application of anyLogistix software for Optimizing Digital Supply Chains	Logistics and Industrial Plant	N. Katirae	Corso Dottorato Meccatronica e Innovazione Meccanica del Prodotto	10	2	in person
Discrete-Events and Agent-Based simulations with AnyLogic	Logistics and Industrial Plant	Online Course	Corso Dottorato Meccatronica e Innovazione Meccanica del Prodotto	11	2	online
System Dynamics Simulations with AnyLogic	Logistics and Industrial Plant	Online Course	Corso Dottorato Meccatronica e Innovazione Meccanica del Prodotto	8	3	online
Building and solving mathematical models for manufacturing and logistics systems	Logistics and Industrial Plant	S. Finco	Corso Dottorato Meccatronica e Innovazione Meccanica del Prodotto	10	2	in person
Summer School "Francesco Turco" Industrial Systems Engineering	Logistics and Industrial Plant	Docenti vari	Corso Dottorato Meccatronica e Innovazione Meccanica del Prodotto	24	5	summer school
Numerical methods for Magnetic Field Computation and Design of electromagnetic Actuators in mechatronics	Mechatronics	G. Chitarin	Corso Dottorato Meccatronica e Innovazione Meccanica del Prodotto	10	2	in person
Data-Driven Science for Dynamical Systems	Mechatronics	J. Bettega	Corso Dottorato Meccatronica e Innovazione Meccanica del Prodotto	10	2	in person
Immersive Technologies and Experiences for Smart Industry	Mechatronics	M. Geronazzo	Corso Dottorato Meccatronica e Innovazione Meccanica del Prodotto	5	1	in person
Design and Optimization of EMI Filters for Electronic Systems	Mechatronics	A. Sona	Corso Dottorato Meccatronica e Innovazione Meccanica del Prodotto	10	2	in person
Autonomous Mobile Robotics: Aerial and Ground Controlled Systems	Mechatronics	G. Michieletto	Corso Dottorato Meccatronica e Innovazione Meccanica del Prodotto	10	2	in person
Introduction to Physics Informed Machine Learning	Mechatronics	M. Reggiani	Corso Dottorato Meccatronica e Innovazione Meccanica del Prodotto	10	2	in person
Thermo-fluid dynamics in 3D printed channels	Mechanics of Materials	S. Mancin	Corso Dottorato Meccatronica e Innovazione Meccanica del Prodotto	10	2	in person
Material selection in a Critical Raw Materials perspective	Mechanics of Materials	P. Ferro	Corso Dottorato Meccatronica e Innovazione Meccanica del Prodotto	5	1	in person
Efficiency and Renewable Energy in Building Climatization for a Sustainable Future	Mechanics of Materials	M. Noro	Corso Dottorato Meccatronica e Innovazione Meccanica del Prodotto	5	1	in person
How to control functionality in product life-cycle using geometrical specifications	Mechanics of Materials	G. Concheri	Corso Dottorato Meccatronica e Innovazione Meccanica del Prodotto	10	2	in person
Measurement methods in thermo-fluid dynamics	Mechanics of Materials	G. Righetti	Corso Dottorato Meccatronica e Innovazione Meccanica del Prodotto	10	2	in person
Reverse Engineering: from physical world to virtual modeling and 3d printing	Mechanics of Materials	R. Meneghello	Corso Dottorato Meccatronica e Innovazione Meccanica del Prodotto	10	2	in person