

Macroarea	Seminar Title	Instructor	Provider	Hours	CFU (1 CFU-5h)
Transversal Skills: Mathematical and Statistical Methods	Data visualization	M. Ceccarello	DEI	20	4
Transversal Skills: Mathematical and Statistical Methods	Heuristics for Mathematical Optimization	D. Salvagnin	DEI	20	4
Transversal Skills: Mathematical and Statistical Methods	Python programming for Scientific Engineering	S. Tortora	DEI	20	4
Transversal Skills: Mathematical and Statistical Methods	Statistics for Engineers	L. Salmasso , R. Arboretti, M. Disegna	DTG/DICEA	40	8
Soft Skills	Academic English	English teachers	UNIPD	60	12
Soft Skills	Bibliographic resources and research tools for PHD students in Industrial Engineering	Librarians	UNIPD	8	2
Soft Skills	Entrepreneurship and Startup	M. Muffatto, F. Ferrati	DII	20	4
Soft Skills	Research and Entrepreneurship: from scientific papers and IP to startup creation	F. Dughiero	DII	24	4
Soft Skills	From researcher to entrepreneur	D. Tacconi	DTG	16	3
Soft Skills	How to write a scientific paper	D. Battini	DTG	10	2
Soft Skills	Basics of CAD modeling and technical drawing: how to read and understand Technical Product Documentation	R. Meneghello, M. Maltauro	DTG, DICEA	15	3
Logistics and Industrial Plant	Application of anyLogistix software for Optimizing Digital Supply Chains	N. Katirae	DTG	10	2
Logistics and Industrial Plant	Resilient and inclusive workplaces in the Industry 5.0 era: Advanced methods and smart tools in the manufacturing work environment	N. Berti	DTG	10	2
Logistics and Industrial Plant	Discrete-Events and Agent-Based simulations with AnyLogic	Online Course	DTG	11	2
Logistics and Industrial Plant	System Dynamics Simulations with AnyLogic	Online Course	DTG	8	3
Logistics and Industrial Plant	Building and solving mathematical models for manufacturing and logistics systems	S. Finco	DTG	10	2
Logistics and Industrial Plant	Collaborative Robotics: towards smart manufacturing	M. Faccio	DTG	10	2
Mechatronics	Data-Driven Science for Dynamical Systems	J. Bettega	DTG	10	2
Mechatronics	Numerical methods for Magnetic Field Computation and Design of electromagnetic Actuators in mechatronics	G. Chitarin	DTG	10	2
Mechatronics	Immersive Technologies and Experiences for Smart Industry	M. Geronazzo	DTG	5	1
Mechatronics	TBD	A. Sona	DTG	10	2
Mechatronics	Autonomous Mobile Robotics: Aerial and Ground Controlled Systems	G. Michieletto	DTG	10	2
Mechatronics	Introduction to Physics Informed Machine Learning	M. Reggiani	DTG	10	2
Mechanics of Materials	Material selection in a Critical Raw Materials perspective	P. Ferro	DTG	5	1
Mechanics of Materials	Efficiency and Renewable Energy in Building Climatization for a Sustainable Future	M. Noro	DTG	5	1
Mechanics of Materials	Composite materials: historical perspective and recent advances in damage mechanics	P. A. Carraro	DTG	10	2
Mechanics of Materials	How to control functionality in product life-cycle using geometrical specifications	G. Concheri	DICEA	10	2
Mechanics of Materials	Measurement methods in thermo-fluid dynamics	G. Righetti	DTG	10	2
Mechanics of Materials	Reverse Engineering: from physical world to virtual modeling and 3d printing	R. Meneghello	DTG	10	2