

NePRev Project - Training Modules Description

No.	Type of module	Title of Module	Contents	Duration (h)	Trainer	Date
1	Curriculum Development	Simulation	Definitions, Applications, Techniques, main references, Course examples	1.5	Elisa Negri	12-10-20
2	Curriculum Development	Energy systems optimization	Modelling, analysis and optimization of numerous types of energy systems in various applications	1.5	Andrea Lanzini	13-10-20
3	Curriculum Development	Euro-Mediterranean infrastructure application	Methods, tools, applications	1.5	Marco Cavana	15-10-20
4	Curriculum Development	Simulation & Optimization of advanced manufacturing systems	Definitions, Applications, Techniques, main references, Course examples	1.5	Elisa Negri	19-10-20
5	Ecosystem Building	Corporate Relations	Experiences with internships and relations with corporate partners in the energy sector	1	Pierluigi Leone	20-10-20
6	Curriculum Development	Circular Economy	Definitions, Applications, Techniques, main references, Course examples	1.5	Roberto Rocca	21-10-20
7	Curriculum Development	Research trends in energy in the Euro-Mediterranean Area	Trends in energy in Euro-Mediterranean area	1.5	Daniele Grosso	26-10-20
8	Ecosystem Building	MADE Competence Center presentation	Presentation of the competence center and its activities in the innovation ecosystem	1.5	Augusto De Castro	27-10-20
9	Curriculum Development	Digital technologies in energy /Demand side management	Methods to modify consumer demand behavior	1.5	Lorenzo Bottaccioli	28-10-20
10	Curriculum Development	Design Thinking	Introduction of design thinking, steps, tools, and use cases	2	Brendan Sullivan	29-10-20
11	General Contents	Master Program in Industry 4.0 at POLITO	Presentation of the program: study plan, courses description	1	Eleonora Atzeni	03-11-20
12	Ecosystem Building	Politecnico di Milano and African partnerships	Projects and initiatives of Politecnico di Milano and African partners	1	Emanuela Colombo	04-11-20
13	Ecosystem Building	POLIHUB – the incubator of the Politecnico di Milano	Experiences from the excellence incubator	1	Andrea Sianesi	05-11-20
14	Ecosystem Building	Energy Center at POLITO	Organizational model, activities, experimental equipment, corporate partnerships	1.5	Romano Borchiellini	09-11-20
15	Ecosystem Building	IAM@POLITO: Center for Integrated Additive Manuf.	Experimental equipment, relations with corporate partners from sectors interested in additive manufacturing	1.5	Eleonora Atzeni	10-11-20
16	Curriculum Development	Research trends in additive manufacturing	Trends in additive manufacturing including application areas for Tunisia	1.5	Alessandro Salmi	11-11-20
17	Curriculum Development	Business Intelligence	Introduction of the business intelligence process, steps, tools, techniques, and more.	1.5	Francisco Sanz	12-11-20
18	General Contents	Industry 4.0 Lab at POLIMI	Organizational model, activities, experimental equipment, ongoing projects, corporate partnerships	1.5	Elisa Negri	16-11-20
19	Ecosystem Building	Inspiring innovation for professionals	The experience of the MIP Business School of the PoliMI about the Industry 4.0 training for professionals, students and industrial practitioners (at national and international level)	1.5	Sergio Terzi	17-11-20
20	Curriculum Development	Industry 4.0 Technologies	Automation in production systems using industry 4.0 technologies	1.5	Simone Galparoli	18-11-20
21	Curriculum Development	Data Science	Introduction of data science, applications, techniques, main references, and more.	1.5	Francisco Sanz	19-11-20
22	General Contents	Quality Assurance in Higher Education	TBA	1.5	Youhansen Eid	23-11-20
23	Curriculum Development	Energy Efficiency/Renewable Energy	Decarbonization of industrial production	1.5	Sonja Sechi	24-11-20
24	Curriculum Development	Lean 6 Sigma and Industry 4.0	Introduction of lean six sigma and Industry 4.0, steps, tools, use cases	2	Brendan Sullivan	25-11-20