

ID	Course name	Credits	Hours	Instructors	Starts	Month	Ends	Month	Year	Location**	SSD	
1	Meshless methods	3	12	Sarler	17	Apr	20	Apr	2023	Uniparthenope-C/D	ING-IND/10	
2	Reactive flows and combustion	3	12	Vaglieco	2	May	5	May	2023	TBA	ING-IND/08	
3	Advanced powertrain systems	3	12	Beatrice	8	May	12	May	2023	TBA	ING-IND/08	
4	Hydrogen and fuel cell systems	3	12	Jannelli	Minutillo	5	June	9	June	2023	Uniparthenope-C/D	ING-IND/09
5	The era of "Twins" A new paradigm for simulation-and-data-based engineering as applied to materials, processes, structures, and systems	3	12	Chinesta		12	June	24	June	2023	TBA	ING-IND/22
6	Numerical methods in energy science	3	12	TBA		25	Sep	29	Sep	2023	Uniparthenope-C/D	ING-IND/08
7	Sustainability, life cycle assessment and strategic decision making	3	12	Petrillo		11	Sep	15	Sep	2023	Uniparthenope-C/D	ING-IND/17
8	Inverse Thermal Problems	3	12	Nowak		22	May	31	May	2023	TBA	ING-IND-11
9	Chemical energy conversion: combustion and electro-chemical processes	3	12	Ferone	Roviello	10	July	14	July	2023	Teams/Uniparthenope-C/D	CHIM/07
10	Energy Saving	3	12	Vanoli		18	Sep	22	Sep	2023	Uniparthenope-C/D	ING-IND/10
11	Advanced materials for energy systems	3	12	Cioffi	Colangelo	16	Oct	26	Oct	2023	Uniparthenope-C/D	ING-IND/22
12	Computational fluid dynamics	3	12	Nithiarasu		13	June	23	June	2023	Uniparthenope-C/D	ING-IND/10
13	Experimental validation of numerical models for fluid flow problems	3	12	Arpino	Massarotti	20	Feb	3	Mar	2023	Uniparthenope-C/D	ING-IND/10
14	Forecasting and analytics in electrical power systems	3	12	De Falco	Bracale	9	Jan	13	Jan	2023	Uniparthenope-C/D	ING-IND/33
15	Control-oriented modeling of automotive engines and hybrid powertrains	3	12	Arsie		4	July	7	July	2023	Uniparthenope-C/D	ING-IND/09
	<b>Total</b>	<b>42</b>	<b>180</b>									
16	Data Acquisition and Measurement	6	24	Mauro	Di Donato	8	Feb	17	Feb	2023	Uniparthenope-C/D	ING-IND/10
17	Management of intellectual property	1	4	De Alteriis		TBA			2023	Uniparthenope-C/D		
18	Scientific English and writing (over two years)	12	48	TBA					2023			
19	Fundamentals of Energy Markets	3	12	Bianco		23	Jan	3	Feb	2023	Uniparthenope-C/D	ING-IND/10

C/D -> Centro Direzionale - Isola C4

IM -> Istituto Motori-Via Claudio n.21

\*\* due to Covid-19 restrictions, the courses could be held via MS Teams

TBA -> To Be Announced