

XXXVI Cycle												
ID	Course name	Credits	Hours	Instructors		Starts	Month	Ends	Month	Year	Location**	SSD
1	Meshless methods	3	12	Sarler		20	Sept	27	Sept	2021	Uniparthenope-C/D	ING-IND/10
2	Reactive flows and combustion	3	12	Vaglieco***		10	May	14	May	2021	MS Teams	ING-IND/08
3	Advanced powertrain systems	3	12	Beatrice***		3	May	7	May	2021	MS Teams	ING-IND/08
4	Hydrogen and fuel cell systems	3	12	Jannelli	Minutillo	6	Sept	10	Sept	2021	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***		17	May	20	May	2021	MS Teams	ING-IND/22
6	Numerical methods in energy science	3	12	Sciubba		30	Nov	4	Dic	2020	Uniparthenope-C/D	ING-IND/08
7	Sustainability, life cycle assessment and strategic decision making	3	12	Petrillo		13	Sept	17	Sept	2021	Uniparthenope-C/D	ING-IND/17
8	Inverse Thermal Problems	3	12	Nowak***		24	May	26	May	2021	MS Teams	ING-IND-11
9	Chemical energy conversion: combustion and electro-chemical processes	3	12	Ferone***	Roviello	12	July	16	July	2021	Uniparthenope-C/D	CHIM/07
10	Energy Saving	3	12	Vanoli		27	Sept	1	Oct	2021	Uniparthenope-C/D	ING-IND/10
11	Advanced materials for energy systems	3	12	Cioffi	Colangelo	11	Oct	15	Oct	2021	Uniparthenope-C/D	ING-IND/22
12	Computational fluid dynamics	3	12	Nithiarasu		28	June	9	July	2021	Uniparthenope-C/D	ING-IND/10
13	Experimental validation of numerical models for fluid flow problems	3	12	Arpino***		31	May	4	June	2021	Uniparthenope-C/D	ING-IND/10
14	Electrical power systems analysis	3	12	Caramia	Bracale	25	Oct	30	Oct	2021	Uniparthenope-C/D	ING-IND/33
	Total	42	168									
15	Advanced Computer Methods for Engineering (Numerical methods for Engineering*)	9*	72	Massarotti		1	Mar	31	May	2021	Uniparthenope-C/D	ING-IND/10
16	Data Acquisition and Measurement	6	24	Mauro	Di Donato	2	Feb	12	Feb	2021	Uniparthenope-C/D	ING-IND/10
17	Management of intellectual property	1	4	De Alteriis		TBA				2021	Uniparthenope-C/D	
18	Scientific English and writing (over two years)	12	48	TBA						2021		
19	Control-oriented modeling of automotive engines and hybrid powertrains	3	12	Arsie***		15	June	18	June	2021	Uniparthenope-C/D	ING-IND/09

* Courses of the Master of Science programs

*** time scheduling confirmed

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