

ANNEX 1.1

DEGREE PROGRAM DIDACTIC REGULATIONS NAVAL ARCHITECTURE AND MARINE ENGINEERING

CLASS L-9

School: Politecnica e delle Scienze di Base

Department: Ingegneria Industriale

Didactic Regulations in force since the academic year 2025 - 2026

STUDY PLAN

KEY

Type of Educational Activity (TAF):

A = Basic

B = Characterising

C = Related or Supplementary

D = At the student's choice

E = Final examination and language knowledge

F = Further training activities

Year I									
Title Course	SSD	Module	Credits	Hours	Type Activities (lectures, workshops,	Course Modalities (in person, by distance)	TAF	Disciplinary area	Mandatory/ optional
Calculus I	MATH-03/A	single	9	72	Frontal lesson	In-person	A	Mathematic, Computer science and statistics	Mandatory
Geometry and Algebra	MATH-02/B	single	6	48	Frontal lesson	In-person	A	Mathematic, Computer	Mandatory

								science and statistics	
Basics of Informatics	IINF-05/A	single	6	48	Frontal lesson	In-person	A	Mathematic, Computer science and statistics	Mandatory
English Language		single	3	24	Frontal lesson	In-person	E		Mandatory
Calculus II	MATH-03/A	single	9	72	Frontal lesson	In-person	A	Mathematic, Computer science and statistics	Mandatory
Chemistry	CHEM-06/A	single	9	72	Frontal lesson	In-person	A	Physics and Chemistry	Mandatory
General Physics I	PHYS-01/A	single	6	48	Frontal lesson	In-person	A	Physics and Chemistry	Mandatory
Year II									
Title Course	SSD	Module	Credits	Hours	Type Activities (lectures, workshops, etc.)	Course Modalities (in-person, by distance)	TAF	Disciplinary area	Mandatory/ optional
General Physics II	PHYS-01/A	single	6	48	Frontal lesson	In-person	A	Physics and Chemistry	Mandatory
Mathematical Physics and Models	MATH-04/A	single	9	72	Frontal lesson	In-person	A	Mathematic, Computer science and statistics	Mandatory
Industrial Technical Drawing	IIND-03/B	single	9	72	Frontal lesson	In-person	B	Naval Architecture and Marine Engineering	Mandatory
Ship Construction Technology	IIND-01/B	single	9	72	Frontal lesson	In-person	B	Naval Architecture and Marine Engineering	Mandatory

Hydrodynamics	CEAR-01/A	single	9	72	Frontal lesson	In-person	C	Related or supplementary activities	Mandatory
Stability and Geometry of Ships	IIND-01/A	single	9	72	Frontal lesson	In-person	B	Naval Architecture and Marine Engineering	Mandatory
Mechanical Technology	IIND-04/A	single	9	72	Frontal lesson	In-person	B	Mechanical Engineering	Mandatory
Training activities autonomously chosen by the student (*)			0 to 6	0 to 48			D		Activities to be chosen from suggested or approved examinations in a study plan
Year III									
Title Course	SSD	Module	Credits	Hours	Type Activities (lectures, workshops, etc.)	Course Modalities (in-person, by distance)	TAF	Disciplinary area	Mandatory/ optional
Applied Thermodynamics and Heat Transfer	IIND-07/A	single	9	72	Frontal lesson	In-person	B	Mechanical Engineering	Mandatory
Electrotechnics and Complements	IJET-01/A	single	9	72	Frontal lesson	In-person	B	Electrical Engineering	Mandatory
Structural Mechanics	CEAR-06/A	single	9	72	Frontal lesson	In-person	C	Related or supplementary activities	Mandatory
Ship Structures	IIND-01/B	single	9	72	Frontal lesson	In-person	B	Naval Architecture and Marine Engineering	Mandatory
Machines	IIND-06/A	single	9	72	Frontal lesson	In-person	B	Mechanical Engineering	Mandatory
Mechanics Applied to Machines	IIND-02/A	single	9	72	Frontal lesson	In-person	B	Mechanical Engineering	Mandatory

Training activities autonomously chosen by the student (*)			12 to 6	96 to 48			D		Activities to be chosen from suggested or approved examinations in a study plan
Additional Knowledge (**)			3	24			F		Mandatory
Final Test			3	24			E		

List of propaedeuticities

Course Title	Propaedeuticities	Is a propaedeuticity for
Calculus I		Calculus II
		Technical Physics
Calculus II	Calculus I	Mathematical Physics and Models
		Electrotechnics and Complements
		Structural Mechanics
General Physics I		General Physics II
General Physics II	General Physics I	Electrotechnics and Complements
Mathematical Physics and Models	Calculus I	Hydrodynamics
	Geometry and Algebra	Construction Science
		Mechanics Applied to Machines
Industrial Technical Drawing		Mechanics Applied to Machines
Technology of Naval Construction		Naval Constructions
Stability and Geometry of Ships		Naval Constructions
Technical Physics	Calculus I	Machines
Electrotechnics and Complements	General Physics II	
	Calculus II	
Structural Mechanics	Mathematical Physics and Models	Naval Constructions
	Calculus II	
Naval Constructions	Technology of Naval Construction	
	Stability and Geometry of Ships	
	Structural Mechanics	
Machines	Technical Physics	
Mechanics Applied to Machines	Industrial Technical Drawing	
	Mathematical Physics and Models	

Notes

(*) The training activities of art. 10 comma 5 D.M. 270/2004 (additional knowledge) can be acquired by the student, among other things, following seminars accredited by the CdS in Naval Architecture and Marine Engineering. In this case, the completion must be certified by obtaining a certificate signed by the teacher/s responsible for the seminar.

(**) The 12 CFU provided for in the manifesto for courses chosen by the student are divided between the second and third years. **The choice between exams included in Table A results in the automatic approval of the study plan.** In all other cases the student must submit a study plan to be approved by the CCD.

Table A: training activities chosen by the student								
Year II/III								
Title Course	SSD	Module	CFU	Hours	Type Activities (lectures, workshops, etc.)	TAF	Disciplinary area	Mandatory/ optional
Mathematical Methods for Engineering	MATH-03/A	single	9	72	Frontal lesson	D		Optional
Economics and Organization of Enterprises	IEGE-01/A	single	6	48	Frontal lesson	D		Optional
Fluid Dynamics	IIND-01/F	single	6	48	Frontal lesson	D		Optional
Aerodynamics	IIND-01/C	single	9	72	Frontal lesson	D		Optional
Industrial Logistics	IIND-05/A	single	9	72	Frontal lesson	D		Optional
Aerospace Materials Technologies	IIND-04/A	single	6	48	Frontal lesson	D		Optional
Geometry of the Ship	IIND-01/A	single	6	48	Frontal lesson	D		Optional
Innovative Fuels and Technologies for Marine Applications	IIND-01/B	single	6	48	Frontal lesson	D		Optional

Management of Complex Shipbuilding Contracts	IIND-01/B	single	6	48	Frontal lesson	D		Optional
Principles of Naval Dynamics and Plant Engineering	IIND-01/B	single	6	48	Frontal lesson	D		Optional
Basic of Small Craft Design	IIND-01/A	single	6	48	Frontal lesson	D		Optional