General information			
Academic subject	Physics		
Degree course	Science and Management of Maritime Activities		
Academic Year	1st		
European Credit Transfer and Accumulation System (ECTS)			
Language	italian		
Academic calendar (starting and ending date)		2nd period (March-June)	
Attendance	facultative	}	

Professor/Lecturer	
Name and Surname	Filippo Errico
E-mail	filippo.errico@uniba.it
Telephone	
Department and address	Physics Department (Via Giovanni Amendola, 173, 70125 Bari BA)
Virtual headquarters	
Tutoring (time and day)	

Syllabus	
Learning Objectives	The course refers to the teaching of Physics for learning the aspects of the discipline mandatory to achieve the overall educational objectives of the course of study. The learning objectives are the acquisition of the aspects of the discipline listed in the contents. Particular attention is paid to the discussion, interpretation and the critical deepening of the results of the acquired theoretical knowledge.
Course prerequisites	 line, parabola and circle representation in a Cartesian coordinate system, trigonometric, exponential and logarithmic functions area and volumes of main 2D and 3D figures (circle, square, cube) linear and quadratic equation solutions
Contents	Kinematic and Dynamic, Fluids, Thermodynamics, Electricity, Magnetism, Waves
Books and bibliography	 Lecture notes of the professor Halliday, Robert Resnick "Fondamenti di Fisica"

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Additional materials
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Work schedule				
Total	Lectures		Hands on (Laboratory, working groups, seminars, field trips)	Out-of-class study hours/ Self-study hours
Hours				
72		56	16	153
ECTS				
9		7	2	
Teaching strategy	,	The cou the rele specific support interact learning tools ar points, the effe The cou	Irse is developed through lectures related to vant and indispensable discipline for the ac- educational objectives of the teaching. Lea ed by seminars and by exercises and, whe ion with students through group discussion platform or in the classroom. During the le e used to improve lessons, e.g. presentatio diagrams, and everything else deemed use ctiveness of the didactics. Irse will be based on a blended learning	o the aspects of chievement of the ctures are re possible, an o n the e- essons various ns in power ful for improving
Expected learning	goutcomes			
Knowledge and understanding on:		Acquisition of the methodology needed to know and understand the physics phenomenologies explained during the course.		
Applying knowled understanding or	dge and n:	Acquisit of the c differen	tion of the physics methodology needed for ommon analysis tools provided during the t physics problem.	r the application course to
Soft skills		 Mal Acquisit phenom Cor Acquisit theses a Cap Acquisit physics covered 	king informed judgments and choices tion and development of the critical study s nena nmunicating knowledge and understanding tion of the capability to communicate and c and scientific studies examined critically bacities to continue learning tion of the methodology necessary for the c phenomena, of the most significant literatu I by study and the most innovative discove	kills of physics liscuss physics critical study of ure on the topics ries.

Assessment and feedback	
Methods of assessment	1) Intermediate written exam 2) Written and/or oral final exam

Evaluation criteria	 Knowledge and understanding Test physics skills and the associate level of understanding Applying knowledge and understanding Capability to understand and solve physics problem Autonomy of judgment Capability to debate about a physics phenomena Communicating knowledge and understanding Use of the correct and appropriate language treating a physics thesis Capacities to continue learning Capability to debate about new discoveries
Criteria for assessment and attribution of the final mark	Final mark is given in fraction of 30. Above 18 / 30 the exam is considered as passed.
Additional information	