



General information	
Academic subject	Complementi di dinamica classica e relativistica
Degree course	Fisica
Academic Year	2
European Credit Transfer and Accumulation System (ECTS)	3
Language	Italian
Academic calendar (starting and ending date)	First week of October - Third week of December
Attendance	

Professor/ Lecturer	
Name and Surname	Antonio Marrone
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Department and address	
Virtual headquarters (Microsoft Teams code)	
Tutoring (time and day)	On request

Syllabus	
Learning Objectives	Understanding Special Relativity
Course prerequisites	General Physics
Contents	Relativity principle Lorentz group Relativistic Mechanics Electromagnetism Particle scattering and decay
Books and bibliography	L .D. Landau e E.M. Lifšits, Fisica Teorica II, Teoria dei Campi, Editori Riuniti Maurizio Gasperini, Manuale di Relatività Ristretta, Springer.
Additional materials	Alcune note del docente

Work schedule			
Total	Lectures	Hands on (Laboratory, working groups, seminars, field trips)	Out-of-class study hours/ Self-study hours
Hours			
	31		62
ECTS			
	3		

Teaching strategy	
	Lessons on the blackboard

Expected learning outcomes	
Knowledge and understanding on:	Understanding special relativity
Applying knowledge and understanding on:	Application of special relativity
Soft skills	<ul style="list-style-type: none">• Making informed judgments and choices Ability to proceed autonomously in the study of relativistic processes• Communicating knowledge and understanding Ability to express the acquired knowledge properly• Capacities to continue learning Ability to study independently from texts and scientific literature

Assessment and feedback	
Methods of assessment	Oral test



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Evaluation criteria	Adequate comprehension and global knowledge of concepts and arguments described throughout the course.
Criteria for assessment and attribution of the final mark	
Additional information	