

Syllabus

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Titul dl curs	Laboratorio di Fisica applicata alla Meccanica
Codesc dl curs	42606
Titul suplementar	
SSD	NN
Lingaz	Tedesco
Curs de laurea	Corso di laurea professionalizzante in Tecnologie del Legno
D'autri cursc de laurea (cursc deberieda)	
Dozenc	
Assistent didatich	
Semester	Secondo semestre
Ann/Agn de stude	1
Credic universitars	4
Ores de insegnament	0
Ores de laboratore	40
Ores de stude individual	60
Ores de riceviment prevedudes	12
Ressumè di contegnus	1. Theoretical exercises on classical physics 2. Practical exercises on Newtonian mechanics, including mechanical forces, energy, momentum, electrical phenomena and thermodynamics
Argomenc dl curs	
Paroles clef	
Prerecuisic aconsiés	
Cursc propedeutics	
Modalité de insegnament	Exercises, labs, and project project work.
Oblianza de frecuencia	Strongly recommended. A student report based on the activities and experiments

	performed during the laboratory sessions is the basis for the assessment of the course. The evaluation for non-attending students is based on a 30 min presentation and a 30 min oral exam.
Obietifs formatifs y competenzes da arjonje	This course supports the lecture 42605 Physics, and provides theoretical as well as practical exercises to develop problem solving skills related to the same topics. Knowledge and understanding 1. Knowledge and understanding of physical laws of: - Mechanics - Thermodynamics Applying knowledge and understanding 2. Ability to analyse and simple experiments on mechanics, thermodynamics. Making judgements 3. Students are expected to develop the ability to judge the plausibility of measurements. Communication skills 4. Further development of a quantitative, technical, and scientific terminology to express ideas and opinions about physical phenomena. 5. Ability to visualize and present results. Ability to learn 6. Development of an analytic attitude enabling the student to divide a problem into sub-tasks which can be solved using previously acquired knowledge.
Obietifs formatifs y competenzes da arjonje (informazioni supplementares)	
Sort de ejam	Formative assessment: Form: In-class exercises Length /duration: Continuously as part of course-accompanying exercises ILOs assessed: 1-4, 6 Summative assessment for attending students: Form: Report

	Length /duration: 5 pages ILOs assessed: 1-6 Summative assessment for non attending students: Presentation: 30 minutes; ILOs assessed: 1, 3-6 Oral form: 30 minutes; ILOs assessed:1-4, 6 The course is evaluated on a simple pass/fail basis. No marks are given.
Criters de valutazion	The following will be assessed: • The correctness and presentation of results, and the correct use of physical quantities and units • The correctness of the answers and arguments presented, and the terminology used. For non-attending students the presentation and oral exam must both be passed individually The course is evaluated on a simple pass/fail basis. No marks are given.
Bibliografia obligatora	Blackboard and blackboard of course: 42605 Physics.
Bibliografia aconsieda	Various textbooks can be used as a reference, for example: • Physik für Bachelors, Johannes Rybach, Carl Hanser Verlag, 3. Auflage, 2007 (only in German). • Mechanics and Thermodynamics, Wolfgang Demtröder, Springer International Publishing, 2017. • Electrodynamics and Optics, Wolfgang Demtröder, Springer International Publishing, 2013. • Physics for Scientists and Engineers with Modern Physics, Douglas C. Giancoli, Pearson, 4th edition, 2008.
Deplù informazions	
OSS	