



PHYSICS	
Enrollment year	2018/2019
Academic year	2018/2019
Regulations	DM270
Academic discipline	FIS/07 (APPLIED PHYSICS (CULTURAL HERITAGE, ENVIRONMENT, BIOLOGY AND MEDICINE))
Department	DEPARTMENT OF BRAIN AND BEHAVIORAL SCIENCES
Course	PSYCHIATRIC REHABILITATION TECHNIQUES
Curriculum	PERCORSO COMUNE
Year of study	1°
Period	(01/10/2018 - 18/01/2019)
ECTS	2
Lesson hours	16 lesson hours
Language	
Activity type	ORAL TEST
Teacher	ALTIERI SAVERIO (titolare) - 2 ECTS
Prerequisites	algebra, exponential, logarithmic and trigonometric functions, concept of derivative and integral
Learning outcomes	To learn some specific basic concept of general physics
Course contents	Elements of Vector calculus Physical quantities Systems of units Kinematics Laws of dynamic Work, energy, power Fluids motion Pressure Bernoulli's theorem Viscous fluids

	<p>Laminar and turbulent motion</p> <p>Temperature and heat</p> <p>Electrical charge and Coulomb's law</p> <p>Electric field and potential</p> <p>Electrical current</p> <p>Hints of magnetism</p> <p>Electromagnetic waves</p> <p>The sound and ultrasounds</p> <p>Hints on ionizing radiations</p>
Teaching methods	<p>Presentation and comments of projected slides; possibility for students to ask questions and discuss specific topics during the lecture</p>
Reccomended or required readings	<p>F. Borsa, S. Altieri Lezioni di Fisica con Laboratorio Libreria Clu Pavia</p> <p>P. Motagna A. Panzarasa Dalla Matematica alla Fisica Libreria Clu Pavia</p> <p>D. Scannicchio E. Giroletti Elementi di Fisica Biomedica Edizioni Edises</p> <p>Slides of lectures</p>
Assessment methods	<p>Written test with mulple choice questions, 2 simple problems, 2 themed questions</p>
Further information	
Sustainable development goals - Agenda 2030	<p>\$lbl legenda sviluppo sostenibile</p>