

<b>Course Title:</b> Modern Physics	<b>Number of Units:</b> 1
<b>SSD :</b> FIS/01	<b>CFU:</b> 6
<b>Course aims:</b> acquisition of the fundamental aspects of the physics of 20-th century: special relativity, quantum mechanics, elementary particle physics, general relativity and cosmology	
<b>Course Description:</b> Special Relativity; The Quantum Theory of Light; The Particle Nature of Matter; Matter Waves; Quantum Mechanics in One Dimension; Quantum Mechanics in two and Three Dimensions; Atomic Structure; Statistical Physics; Elementary Particles Physics; General Relativity; Cosmology.	
<b>Assumed Background:</b> elements of mechanics, thermodynamics and electromagnetism; elements of mathematical analysis and analytical mechanics	
<b>Assessment methods:</b> oral exam	