

<b>Name of the subject:</b> <b>Basics of Natural Science</b>	<b>NEPTUN code:</b> KMETT11ANE	<b>Weekly hours: 2</b> 0 lec+2 pr+ 0 lab	<b>Credit: 3</b> <b>Req:</b> Assignment
<b>Subject leader:</b> <b>Dr. Andrea Pap</b>	<b>associate professor</b>	<b>Prerequisites:</b> -	
<b>Assessment and verification procedures:</b>			
The semester mark obtained on two tests (minimum 51% must be reached) what will be organized at different time during the semester.			
<b>Aims</b>			
Aims of this course are to refresh and organize basic natural science knowledge, furthermore to help to create the engineering way of thinking, improving problem-solving and numerical skills. To achieve these goals different scientific problems will be studied and solved using the high school math and physics knowledge.			
<b>Topics</b>			
Classical mechanics (kinematics, dynamics, statics, periodically move) Thermodynamics (main items of thermodynamics and their applications) The ideal gas state change Geometric optics, optics, refraction			