

<p><i>Name of the subject:</i>  <b>Basics of safety technology, environment protection and quality assurance</b></p>	<p><i>NEPTUN code:</i>  <b>KEEMI5ABNE</b></p>	<p><b>Weekly hours:</b>  2 lec + 0 pr + 0 lab</p>	<p><b>Credit: 3</b>  <b>Req: semester mark</b></p>
<p><i>Subject leader:</i>  <b>Dr. Balázs Kovács,</b>  <b>Dr. E. Cecília Tamásné</b>  <b>Nyitrai</b></p>	<p><b>associate professor,</b>  <b>college professor</b></p>	<p><b>Prerequisites:</b>  -</p>	
<p><b>Description of the subject:</b></p>			
<p>To offer a basic knowledge concerning the entitled topics, emphasizing their connections and influence on our daily life.</p> <p>Environmental definitions. The importance of photosynthesis and biodiversity. Soil and water resources. Types of wastewater treatment. The main functions of the atmosphere. Ozone layer in stratosphere, Ozone Hole, Carbon Footprint. Light pollution (skyglow). Noise and how to reduce it? Waste and waste management. Renewable energy sources. New energy policy in EU. Types of power plants. ISO 14001 - Environmental Management International Standard. Eco label. Life-cycle assessment.</p> <p>Quality definitions. Quality in the industrial life. Planning and improvement processes. The basic and the advanced quality tools. Formal Quality Management Systems. The importance and the basics of Lean and Six Sigma Production systems.</p> <p>Occupational Health and Safety Management Systems. Risk assessment for OHS activities.</p>			
<p><b>Literature</b></p>			
<p><b>1.</b> The lecture's materials are the basics of the learning process. They could be found on the concerned web sites of the university.</p>			