

<b>Name of subject:</b> <b>ECO Friendly Packaging Materials</b>	<b>NEPTUN-code:</b> RMWKC1EBNE	<b>Number of hours:</b> <i>lec+gs+lab</i> 0+0+2	<b>Credit: 2</b> <b>Requirements:</b> practice mark
<b>Course coordinator:</b> Róbert Németh DLA	<b>Title:</b> associate professor	<b>Prerequisite:</b> Material knowledge of paper packaging	
<b>Subject content:</b>			
<p>Environmental design and packaging development in the XXI. century.  Trademarks of ECO friendly packagings.  The relevant environmental laws in packaging industry. Eco profiles of packagings.  Biopolymer packaging materials. Degradation process of plastics. Types and environmental aspects of biodegradable polymer materials. Oxo-degradable polymer materials.  Recycling opportunities of glass, metal and textile packaging materials. Recycling and composting options for paper packaging. Intelligent packagings.</p>			
<b>Competences to be mastered:</b>			
<p>a) knowledge  - Knowledge of the most important basic materials applied in the special area of product design, their production and their application criteria.  - Knowledge of the basics, limitations and requirements of the special fields of marketing, management, environment protection, quality assurance, information technology, law, and economics, intrinsically linked to the special area of product design.</p> <p>c) attitude  - Complying and ensuring compliance with the applicable requirement systems of security, health and safety, environment protection, quality assurance and inspection during work.</p>			
<b>Bibliography:</b>			
1. Tiefbrunner A.: Csomagolás – Trendek és kérdések, CompLex, 2010.			
2. Dr. Radonjič Gregor: A környezetbarát csomagolás tervezése és fejlesztése. ECO-HUB program 2007-2013			
4. <a href="https://elearning.uni-obuda.hu/">https://elearning.uni-obuda.hu/</a> electronic notes and aids prepared by the instructor			