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| ***Name of subject:***  **ECO Frendly Packaging Materials** | ***NEPTUN-code:*** RMTKC1FENE | ***Number of hours:*** *lec+gs+lab*  0+0+2 | ***Credit:*** 2  ***Requirements:***  practice mark |
| ***Course coordinator:***  Cecília Nyitrai Tamás Phd | ***Title:***  associate professor | ***Prerequisite:***  RMTPA1FENE Material knowledge of paper packaging | |
| ***Subject content:*** | | | |
| 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. | | | |
| ***Bibliography:*** | | | |
| 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. <https://elearning.uni-obuda.hu/> electronic notes and aids prepared by the instructor | | | |