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| ***Name of subject:* Methodology of product design** | ***NEPTUN-code:*** RTTTM1AENE | ***Number of hours:*** *lec+gs+lab*  2+1+0 | ***Credit:*** 3  ***Requirements:***  practice mark |
| ***Course coordinator:***  Éva Hottó Phd | ***Title:***  senior lecturer | ***Prerequisite:***  RTTFO1AENE Form design I. | |
| ***Subject content:*** | | | |
| Product life cycles and product environment. Design schools. The process of product development, product definition and exploration of ideas. The optimization of product features.  Product development concept. Product functions for industrial product design: technical (materials, technology, ergonomics), business (marketing, energy optimization, technology), psychological (effects on the consumer, security), sociology (prestige, brand), ecology (management of resources), and documentary (historical and contemporary style interpretation). The design cost factors. Design for manufacturability. | | | |
| ***Bibliography:*** | | | |
| 1. Bercsey Tibor: A terméktervezés módszertana | | | |
| 2. <https://elearning.uni-obuda.hu/> electronic notes and aids prepared by the instructor | | | |