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| ***Name of subject:* Ergonomics** | ***NEPTUN-code:*** RTTER1AENE | ***Number of hours:*** *lec+gs+lab*  1+1+0 | ***Credit:*** 3  ***Requirements:***  practice mark |
| ***Course coordinator:***  Gabriella Oroszlány Phd | ***Title:***  senior lecturer | ***Előkövetelmény:***  RTTFO1AENE Form design I. | |
| ***Subject content:*** | | | |
| The concept, purpose and development stages of ergonomics. The man - product (machine) system. Anthropometric knowledge, the use of anthropometric data in design  Physiological and psychological bases of ergonomics: vision, hearing, smell, touch perception, memory.  Product ergonomics. The user base. Designer approaches. The ergonomic quality of the product. Ergonomic criteria.  Biomechanical bases , human power and applying torque .  Design for special groups, (significantly different from the average, restricted) user groups for. Process of product development, user involvement in product development. The ergonomics of product usage.  Product informatics, advertising, packaging, the ergonomic aspects of creating documentation accompanying the product. Environmental ergonomics. Ergonomic design of work environment. | | | |
| ***Bibliography:*** | | | |
| 1. Hercegfi K., Izsó L. (szerk.): Ergonómia. Typotex Kiadó, Budapest, 2007. | | | |
| 2. Becker Gy.-Kaucsek Gy: Termékergonómia és pszichológia, Tölgyfa Kiadó, Bp.1996 | | | |
| 3. <https://elearning.uni-obuda.hu/> electronic notes and aids prepared by the instructor | | | |