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| ***Name of subject:* Discriptive geometry** | ***NEPTUN-code:*** RTTAG1AENE | ***Number of hours:*** *lec+gs+lab*1+0+2 | ***Credit:*** 3***Requirements:*** practice mark |
| ***Course coordinator:***Gabriella Oroszlány Phd | ***Title:***senior lecturer | ***Prerequisite:*** - |
| ***Subject content:*** |
| Knowledge of the essential technical –and design principles, methods and relationships: basic concepts of the plan and the space geometryModes of representation: 1 Perspective 2 AxonometryMonge’s multi-view representationRepresentation of polyhedra, intersecting a polyhedron with a line or planes, intersection. Representation of solids of revolution, their intersection with a line, with planes, intersection.Image plane transformation, rotation, surface development.Application of computer-aided graphic systems for the display of the constructions |
| ***Bibliography:*** |
| 1. Dr. Szunyogh G.: Ábrázoló geometriai szerkesztések – OE - BGK - Elektronikus Jegyzet |
| 2. Bársony I.: Műszaki ábrázoló geometria. [Szega Books Kft](https://www.antikvarium.hu/kiado/szega-books-kft-17865). Pécs 2008 |
| 3. Fóris T.: A műszaki rajz alapjai. Síkmértan 2006 |
| 4. <https://elearning.uni-obuda.hu/> electronic notes and aids prepared by the instructor  |