Name of the subject: **Machine design I.**	NEPTUN-code: BBEGGE1BNE	Credits: 3 ECTS: 5
Subject leader: Dr. Igor Fürstner	Title: Ass. Professor	

Course description:
The aim of this course is to provide an introduction to drawing fundamentals and to develop drawing skills of the students. The first part of the course covers such topics as layout of Technical Drawing, line styles, lettering, scale, geometric construction, transformation, projection (orthographic projection, central or perspective projection, oblique projection), axonometric view (isometric, diametric, Kavalier etc.). The second part of the course focuses on topics as follows: sketching, dimensioning, sectioning, fits and tolerances, surface roughness, symbolical representation, detail and assembly drawing.