



Course name	Tools and Work Environment Design
Entity running the course	Faculty of Interior Architecture and Design
Entity for which the course has been prepared	Department of Design
Course type	Core / obligatory / optional
Year of study / semester, type of studies	Year II, sem. III, full-time bachelor's degree
ECTS credits	8 pts ECTS
Academic tutor	ac. prof. Jan Kukuła, assoc. prof. Jerzy Grobelny, ass. tutor Krzysztof Kubasek
Aim of the course	Students learn to design tools and work environments.
Prerequisites	Having the first year of studies completed, as well as the introductory course of industrial design.
Learning outcomes:	
- knowledge	Student gains basic knowledge in the area of ergonomics, design methods, can recognize and define the design problem, has basic knowledge that allows for correct resolving of design problems.
- skills	Has basic abilities of creating and realizing design concepts, skills necessary for presenting them. Uses the correct tools. Can prepare a basic form of documentation which allows for completing the task.
- personal and social competence	Can criticize and justify one's own interpretation of a project, based on objective criteria.

Course content	<p>Students design hand tools and elements of workplace equipment. Exercises developing creative techniques. Clause tasks which enhance and develop knowledge and workshop skills: generating concepts in form of flat sketches of new solutions in the area of tools used (group work, 2-3 hours sessions). Design tasks divided into stages, containing questions that occur during design process: working through a chosen concept of a clause task, in form of sketched idea, project visualization. Project tasks: mobile equipment: choice, analysis of a present state, collecting the necessary information, analyzing the needs, generating concepts – flat and spatial sketches – models. Project: description of a problem, project prerequisites, necessary documentation, 3D visualization or 1:1 model.</p>
Course form and number of course hours	<p>Lectures, individual consultations, teamwork. 120 hours per week.</p>
Assessment methods and criteria	<p>60% executing assignments / activity during classes / number and quality of finished concepts 40% quality of the semestral presentation</p>
Assessment type	<p>Graded pass</p>
Literature	<p>Adam Gedliczka (pod redakcją) „Atlas Miar Człowieka” CIOP W-wa 2001 2+3D Ogólnopolski Kwartalnik Projektowy.</p>
Teaching aids	
Language of instruction	<p>Polish; communication in English possible</p>