



Course name	Modelling
Entity running the course	Faculty of Interior Architecture and Design
Entity for which the course has been prepared	Department of Design
Course type	Specialty course – obligatory / optional
Year of study / semester, type of studies	Year I, sem. I and II, full-time master's degree
ECTS credits	2 pts ECTS
Academic tutor	ac. prof. Piotr Jędrzejewski
Aim of the course	Teaching the students about basic problems of kinetic object modelling. The learned skills will be useful for making models which include movable elements, as inevitable parts of student projects and needed to be modelled in order to verify an idea, as well as for presentation purposes.
Prerequisites	Knowledge about simple machines resulting from secondary education. Basic manual skills.
Learning outcomes:	
- knowledge	Student gains knowledge about methods of working with motion effects and movement modification using modelling methods, gets to know the materials, suitable for processing, and for making movable models, as well as elements which carry and change the movement in models, which are not subject to real pressure.
- skills	Using the skills needed for making movable elements and models using easily accessible materials. Ability to substitute industrial processing methods with modelling methods, achieving the same final effect, however of lower

<p>- personal and social competence</p>	<p>durability and resistance to pressure.</p>
<p>Course content</p>	<p>Students make a model which contains a set of basic elements of transferring propulsion and gearshift, which can perform a given, simple task. The model's propulsion is triggered by the energy of human hand muscles. The spatial structure of the movable model should be well thought out and executed with special consideration for the qualities of materials used.</p>
<p>Course form and number of course hours</p>	<p>Classes in the design workshop; conversations and individual consultations, lectures, meetings, practical seminars.</p>
<p>Assessment methods and criteria</p>	<p>50% executing assignments / activity during classes / working reviews 50% open review</p>
<p>Assessment type</p>	<p>graded pass</p>
<p>Literature</p>	
<p>Teaching aids</p>	
<p>Language of instruction</p>	<p>Polish, communication in English possible</p>