



Course name	Computer Assisted 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 / compulsory course
Year of study / semester, type of studies	
ECTS credits	2 pts ECTS
Academic tutor	ass. tutor Wojciech Wesolek
Aim of the course	Students learn to use 3D Studio MAX, a professional 3D computer graphics program.
Prerequisites	Basic computer literacy and knowledge of technical drawings, <i>edit poly</i> modelling.
Learning outcomes:	
- knowledge	Student gains advanced knowledge in the area of constructing complex objects from geometric mesh. Understands the methodology of making industrial objects as well as objects of organic origin. Consciously plans their work before it begins.
- skills	Student has advanced abilities of making simple and complex models from geometric meshes, both of industrial and organic origin.

- personal and social competence

Course content

1. Advanced modelling of complex objects.
2. Basics of complex maps. Creating transparency maps.
3. Unwrap UVW mapping, of organic and industrial objects.
4. Hyperrealistic rendering and use of Vray technology.
5. Exercises in *edit poly* modelling, maps and visualizations.

Course form and number of course hours

Exercises, lectures, individual „master – apprentice” classes.

Assessment methods and criteria

50% exam
50% executing assignments / activity during classes / working reviews

Assessment type

graded pass

Literature

Additional literature: www.3d.pl - tutorials

Teaching aids

Language of instruction

Polish