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| 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 | obligatory |
| Year of study / semester, type of studies | Year II, sem. III, full-time basic degree studies |
| ECTS credits | 2 pts ECTS |
| Academic tutor | Ass. tutor Tomasz Gacek, PhD |
| Aim of the course | Building complex 3D models in Rhinoceros, based on technical documentation and measuring real objects. Knowledge of basic rules of technical drawing and the use of measuring tools. |
| Prerequisites | Basic knowledge of Rhinoceros, its functions and tools. Semester begins with a test to determine student's skills. |
| Learning outcomes: | |
| - knowledge | Student gains more advanced knowledge about using Rhinoceros for 3D modelling. Learns the basics of technical drawing. |
| - skills | Students gains more advanced knowledge of Rhinoceros for 3D modelling purposes. Can adjust the program's interface for their specific needs. Can build complex 3D models and choose the most suitable tools. |

- personal and social competence

Course content

Analysis of technical drawings in order to select a proper toolkit for 3D modelling – making a 3D model. Measuring of an object, making notes, building a 3D model, practical use of gained knowledge, making technical drawings of the finished 3D model.

Course form and number of course hours

Classes in a computer workshop, lectures, exercises, consultations, reviews, individual „master-apprentice” classes, 2 hours per week.

Assessment methods and criteria

50% presence at classes / activity during classes / executing assignments
50% practical exam

Assessment type

Graded pass

Literature

Rhinoceros NURBS modeling for Windows – user manual
Tadeusz Dobrzański Rysunek techniczny maszynowy

Teaching aids

Computer workshop, computers with necessary software, 3D Connection manipulators, projector, measuring tools.

Language of instruction

Polish