

**Faculty of Architecture****Department:** Architecture and Urbanism**Professional area:** Architecture, Civil Engineering and Geodesy**Major:** Architecture**Educational-and-qualification Degree:** Master**COURSE DESCRIPTION**

1. **Course unit title:** Modern Design Methods - part 3
2. **Course unit code:** ARC2057
3. **Type of course unit:** compulsory
4. **Level of course unit:** Master
5. **Year of study:** third
6. **Semester when the course unit is delivered:** sixth
7. **Number of ECTS credits allocated:** 4,5
8. **Name of lecturer:** Arch. Lilya Lutskanova
9. **Learning outcomes of the course unit:** Students who have successfully completed the course of study in ArchiCAD will know the principles of work and the possibilities to apply the program; they will be able to design buildings and complexes and prepare the entire design documentation for an architectural project.
10. **Mode of delivery:** face-to-face
11. **Prerequisites and co-requisites:** Students must have successfully passed the courses in Modern Design Methods – part I and II.
12. **Course contents:** The course gives an opportunity for acquiring basic skills for working with the ArchiCAD program, familiarizing with the tools and ways for creating a virtual model of a building and for extracting two-dimensional drawing information, a necessity to present an architectural project.
13. **Recommended or required reading:**
  - Fundamental of ArchiCAD 12, interactive book - Graphisoft, 2008 available after registration on [www.archicadbg.com](http://www.archicadbg.com) )
  - Basic interactive book in ArchiCAD 11- Graphisoft, 2007 (available after registration on [www.archicadbg.com](http://www.archicadbg.com) )
  - ArchiCAD 8 – Стъпка по стъпка Томас М. Симънс, лицензиран превод под редакцията на доц. д-р арх. Асен Писарски, Софтпрес, София, 2004 г.
14. **Planned learning activities and teaching methods:**
  - Seminars: (5 hours per week, 9 weeks): the different topics from the study material are discussed stage by stage and students are consulted how to prepare their individual projects.
  - Individual project: students are given a task to prepare virtual model and drawing documentation in an ideological stage of a two-storey one-family residential building in a build-up area of 200 sq.m. using ArchiCAD
  - Contact hours (2 hours per week, 5 weeks)
15. **Assessment methods and criteria:**

The degree of mastering the means and methods of work with Archicad are assessed, the virtual model of the building have to be precise, and the project documentation thorough and of high-quality. The skill to work with the software are assessed on the basis of correct and entire completion of the sixteenth points from the synopsis, each of which gives 0,25 from the final mark.
16. **Language of instruction:** Bulgarian
17. **Work placement(s):** none