

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 2
2. **Course unit code:** ARC 2056
3. **Type of course unit:** compulsory
4. **Level of course unit:** Master
5. **Year of study:** second
6. **Semester when the course unit is delivered:** fourth
7. **Number of ECTS credits allocated:** 3
8. **Name of lecturer:** Arch. Lilya Lutskanova
9. **Learning outcomes of the course unit:** Students who have successfully completed the course of study in AutoCAD on the basis of acquired knowledge will know the principles of work and the possibilities to apply AutoCAD I 3-D; they will be able to design 3-D buildings and complexes by applying AutoCAD software; they will be able to count geometrical parameters of building elements and the areas of the functional zones.
10. **Mode of delivery:** face-to-face
11. **Prerequisites and co-requisites:** Students must have successfully passed the courses in Modern Design Methods – part 1.
12. **Course contents:** Principles of work and the possibilities to apply AutoCAD for the aims of the architectural 3-D design; structure of the software, basic modules of AutoCAD for working at 3-D design; methodology and methodological approaches when designing with AutoCAD, ways of editing and correcting.
13. **Recommended or required reading:**
 - Basic reading**
 - Сирманов, Васил – редактор – AutoCAD 2005 в лесни стъпки, СофтПрес, 2005
 - Ткачев, Д. А., – AutoCAD 2004: Самоучител изд. Питер, 2004
 - Финкельщайн, Элен, - AutoCAD 2004 Библия ползвателя, изд. Вильямс, 2004
 - Джордън, Т. Т., - AutoCAD 2005 – пълен справочник, изд. Алекс Софт, 2004
 - Finkelstein, Ellen – AutoCAD® 2006 New Features, <http://ellenfinkelstein.com/autoCAD.html>
 - Милдбрук, Марк и Бад Смит – AutoCAD 2002 – для „чайников”, изд. Диалектика- Вильямс, 2002
14. **Planned learning activities and teaching methods:** lectures, laboratory work, project assignment- making a working project and virtual model of one-family residential building on given ideological distribution and facades. During training there is a test with an intermediate grade.
15. **Assessment methods and criteria:** the total grade is a combination between the test and the project assignment.
16. **Language of instruction:** Bulgarian
17. **Work placement(s):** none

