

## 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:** Pre-diploma Project 1 - Residential Buildings
2. **Course unit code:** ARC 2048
3. **Type of course unit:** compulsory
4. **Level of course unit:** Master
5. **Year of study:** fifth
6. **Semester when the course unit is delivered:** ninth
7. **Number of ECTS credits allocated:** 15
8. **Name of lecturer:** Assoc. Prof. Arch. Alexander Slaev, PhD
9. **Learning outcomes of the course unit:** Students master and further develop their skills to analyze the urban planning, social, economic and ecological prerequisites for development of the respective types of residential forms; they acquire extended knowledge about the nature of the architectural design of residential buildings and get profound idea about the contemporary problems and modern tendencies in the field of the residential architecture; they also acquire modern approaches for designing residential buildings, structures, complexes and forms.
10. **Mode of delivery:** face-to-face
11. **Prerequisites and co-requisites:** It is necessary students to have taken the courses in Residential Buildings and Complexes parts 1 and 2 and to be deep into the nature of the design work.
12. **Course contents:**

The course trains students on the basis of the acquired knowledge about the nature, functions, compositional requirements and approaches how to solve problems connected with the design of residential buildings, multi-family residential buildings, residential areas, quarters and complexes of multi-family and one-family buildings.
13. **Recommended or required reading:**
  - Слаев, Ал. – Жилищни форми, КОТА, 2005,
  - Neufert, Ernst and Peter, Bousmaha Baiche,
  - Nicholas Walliman – Neufert, трета редакция,
  - Blackwell Science, 2008,
  - The Floor Plan Atlas – Schneider, Friederike, editor, 1994, четвърта редакция – 2011, Дамянов, 1978,
  - З.Г. Змеул и Б. А. Маханько в „Архитектурная типология зданий и сооружений”, Москва, 2006 г.,
  - Лисициан, М. В., и Пронин, Е. С., Архитектурное проектирование жилых зданий Издательство Архитектура –С, Москва,
  - 2006, Sherwood, Roger – Modern Housing Prototypes, 1981,
  - University of Southern California,
  - <http://www.housingprototypes.org/>,
  - Zhou, Jingmin – Urban Housing Forms, London 2006
14. **Planned learning activities and teaching methods:**

Lectures (30 hours), a project assignment and contact hours (90hours + out-of-class workload 240hours)
15. **Assessment methods and criteria:**

Assessment of the theoretical knowledge is carried out by doing 4 tests. Assessment of the acquired design skills is done by grading the project assignment.

16. **Language of instruction:** Bulgarian

17. **Work placement(s):** none