

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:** Descriptive Geometry
2. **Course unit code:** MAT 2001
3. **Type of course unit:** compulsory
4. **Level of course unit:** Master
5. **Year of study:** first
6. **Semester when the course unit is delivered:** first
7. **Number of ECTS credits allocated:** 6
8. **Name of lecturer:** Ass. Prof. Yanko Zlatanov Milev, PhD
9. **Learning outcomes of the course unit:** Students acquire knowledge and skills in the field of descriptive geometry by the use of which the future architects acquire knowledge and learn about methods of representing architectural shapes. The teaching material comprises the most important of the three basic projections.
10. **Mode of delivery:** face-to-face
11. **Prerequisites and co-requisites:** The study of the subject requires good knowledge of the high school course in mathematics, compulsory for all high schools in Bulgaria.
12. **Course contents:**

In this course students study the properties of the shaped objects inside the models in order to solve specific affine and metric problems connected with these objects and to define their shape, dimensions and position in space. Special attention is paid to the applied aspects of the subject.
13. **Recommended or required reading:**

Students can use for their independent learning each of the many books, issued by different universities which comprise the included sections. As a major reading, students can use the books by N. Danailova, as well as the notes taken at lectures and the problems from the seminars.
14. **Planned learning activities and teaching methods:** lectures, seminars, independent learning; emphasize is put on clarifying new concepts and the major types of problems from the three major projections. After each seminar students are given independent work.
15. **Assessment methods and criteria:** written examination
16. **Language of instruction:** Bulgarian
17. **Work placement(s):** none