

Faculty of Architecture**Department:** Arts**Professional area:** Fine Arts**Major:** Computer Graphic Advertising Design**Educational-and-qualification Degree:** Master**COURSE DESCRIPTION**

1. Course unit title: 3D Computer Design Part I
2. Course unit code: INF 2030
3. Type of course unit: compulsory
4. Level of course unit: Master
5. Year of study: first
6. Semester: first
7. Number of ECTS credits allocated: 3
8. Name of lecturer: Prof. Rosen Radoev, PhD
9. Learning outcomes of the course unit: The course is designed to provide students with knowledge and skills enabling them to realize their creative potential. When creating their artistic works they need to be able to understand and professionally implement modern 3D graphic software. When trained to be familiar with its potential, requirements and standards, students will be able to cut short the process of designing and will benefit from a greater variety and choice of optimal decisions. The ultimate objective of the course is for students to be able to design and visualize complete projects by means of the computer – from the initial idea to its utter realization.
10. Mode of delivery: Face-to-face
11. Prerequisites and co-requisites: Students need to have basic knowledge acquired in high school and the bachelor programme.
12. Course contents (annotation): Introduction. Main principles and concepts. Getting to know the interface. Creating user environment. Working with files. Transformations and coordinate systems. Creating massives. Working with groups. Creating, positioning and editing of Spline objects. Creating, positioning and editing of Mesh objects. Modifiers of objects. Cameras, lights, materials. Visualizing. Visualizing effects. Atmosphere effects.
13. Recommended or required reading (basic reading):
 1. 3D Studio Max / М. Матосиян / Инфо Дар 2000г.
 2. 3D Studio Max 4 - Том 1 / К.Удс, А. Бикало, К. Мъри / Софт Прес 2002г.
 3. 3D Studio Max 4 - Том 2 / К.Удс, А. Бикало, К. Мъри / Софт Прес 2002г.
 4. 3D Studio Max 6 / Софт Прес 2004г.
 5. 3D Studio Max 7 / Софт Прес 2005г.
14. Planned learning activities and teaching methods: Lectures and seminars, course assignments, course projects as out-of-class workload.
15. Assessment methods and criteria: Evaluation of the course assignments done during the semester. Students have to demonstrate the use of the theory in practical tasks.

Continuous assessment includes assessment of student's course assignments and projects. At the exam, students submit 100% of their assignments performed in several versions in paper and digital media.
16. Language of instruction: Bulgarian
17. Work placement: none