

## 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:** Color and Combinatorics
2. **Course unit code:** ARC 2076
3. **Type of course unit:** optional
4. **Level of course unit:** Master
5. **Year of study:** second
6. **Semester when the course unit is delivered:** third
7. **Number of ECTS credits allocated:** 3
8. **Name of lecturer:** Assoc. Prof. Diana Sotirova
9. **Learning outcomes of the course unit:** To enrich and enlarge the culture of fine art, the knowledge in color harmony and the constructive thinking of students to apply knowledge mastered in the hours in Combinatorics and Color in order to achieve better results in practicing architectural design.
10. **Mode of delivery:** face-to-face
11. **Prerequisites and co-requisites:** Basic knowledge in Aesthetics and Drawing are necessary.
12. **Course contents:** The combinatorics of shapes and colour is an educational method for acquiring knowledge in the field developing a harmonious environment which is functional and esthetically conditioned in the sphere of architectural design.

The course discusses the most necessary means as the shape forming factors in the structural combinatorics. As means of the composition they grow into a mark of the aesthetic categories of the composition and color and are particularly necessary for the formation of a unity between shape and content.

The course is consistent with the requirements for development of knowledge about shapes, color and structures necessary as means of expression for the designer of architectural shapes to form his views of aesthetics and shape in space.

13. **Recommended or required reading:**
  - Васюцкий Н. , Золотая пропорция, “МГ”, Москва 1990
  - Вайл, Херман, Симетрия. “Наука и изкуство”, София 1969
  - Гилберт Д. , Кон – Фоссен С. , Наглядная геометрия. “Наука”, Москва 1981
  - Райчев Р. , Комбинаторика. “Народна просвета”, София 1987
  - Райчев Р. , Формообразуване. - Фолия за щраибпроектор, “Септември”, София 1987
  - Райчев, Р. “Сигнални цветове и значението им за рекламната дейност” Материали НТС 1998
  - Райчев Р. , Структурна комбинаторика. “ Анубис”, София 2002
  - Сомов Ю. С. , Композиция в технике., “ИМ” , Москва 1987
  - Sehen & Werten , Modul, Proportionq, Simetrie, Rhitmus. La Connaissance, Brussel 1969
  - Sehen & Werten , Visuelle erziehung. La Connaissance, Brussel 1969
  - Sehen & Werten ,Struktur in Kunst und Wissenschaft. La Connaissance, Brussel 1969
  - Gilde Werner, Gespiegelte Welt Veb Fachbuch verlag, Leipzig 1978
  - Ernst Leher “Symbols, signs and signets”inc. Neu York.
  - Райчев, Румен”Цветовете в изкуството” ЛИК София 2005
14. **Planned learning activities and teaching methods:** lectures, seminars, projects assignments, contact hours.
15. **Assessment methods and criteria:** Three components form the grade: a) participation of the student in the lessons; b) a grade from the student’s work in the studio c) oral exam at the end of the semester according to a synopsis.

16. **Language of instruction:** Bulgarian

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