

Faculty of Architecture

Department of Construction of Buildings and Structures

Professional Area: Architecture, Civil Engineering and Geodesy

Major: Fire and Emergency Safety of Buildings and Structures

Educational and Qualification Degree: Master

- 1. Course unit title: Complex systems for automatic fire and emergency safety**
- 2. Course unit code: TEC3088**
- 3. Type of the course unit: compulsory**
- 4. Cycle: Master**
- 5. Year of study when the component is delivered: first**
- 6. Semester: second**
- 7. Number of ECTS credits allocated: 4,5**
- 8. Name of lecturer: Assoc. Prof. Eng. Milena Kichekova, PhD**
- 9. Learning outcomes:** The aim of the course is to acquaint the students with the principles of the structure and operation of the indicators, the reception devices, the sources of supply and the linear networks of the fire alarm equipment, as well as the methodology for checking the fire alarm equipment.
- 10. Mode of delivery: face-to-face**
- 11. Prerequisites and co-requisites:** Previous knowledge obtained in the courses in Applied Electrical Engineering and Production Automation
- 12. Course content:** Fire indicators with manual and automatic operation. Reception devices. Electric drive and fire alarm lines. Methodology of fire alarm equipment investigation.
- 13. Recommended or required reading and other learning resources/tools**
 1. „[Fire alarm systems](#)“, [P. Kichekova](#), [S. Kichekova](#), [S. Kichekova](#), 1998
 2. „[Fire alarm systems](#)“, [P. Kichekova](#), [S. Kichekova](#), 2000
 3. „[Fire alarm systems](#)“, [P. Kichekova](#), [S. Kichekova](#), 1998
- 14. Planned learning activities and teaching methods:** lectures, contact hours, self-study
- 15. Assessment methods and criteria:** The following elements are included in the assessment of the student's individual performance: 10% attendance, 1 test and / or development of a paper on an assigned topic (in case of very good performance - mark above 4.50, the student could exempt from the final exam) - 20%, final exam (test) - 70%.
- 16. Language of instruction: Bulgarian**

17. Placement: none