

**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:** Operation of firefighting and rescue equipment
2. **Course unit code:** TEC 3005
3. **Type of the course unit:** compulsory
4. **Cycle:** specializing
5. **Year of study when the component is delivered:** second
6. **Semester:** third
7. **Number of ECTS credits allocated:** 7,5
8. **Name of lecturer(s):** Assoc. Prof. Eng. Simeon Radulov, PhD, Ali Chakar, PhD
9. **Learning outcomes:** To introduce the students to the rules for the operation of firefighting equipment, the technological process, the conditions of operations and wear. The types of technical equipment, repair of the firefighting equipment, the types and methods of repair and its technological process are studied. The storage and operation with firefighting equipment are studied; also the course gives knowledge about the accountability in the operation of firefighting equipment.
10. **Mode of delivery:** face-to-face
11. **Prerequisites and co-requisites:** The students are required to have previous knowledge obtained in the courses in Applied Electrical Engineering and Applied Automation, Firefighting Equipment and Firefighting Machines and Equipment.
12. **Course content (annotation):** the students are equipped with knowledge of the role of the different types of automation in the provision of fire safety of technological processes, prevention of fires and explosions by means of automatic equipment of control, protection and blocking, prevention of explosive concentrations in technological apparatuses and premises.

**13. Recommended or required reading and other learning**

**resources/tools:**

- 1.
2. " " \_  
2007 .
3. " " \_  
2006 .

4. I – 21.01 / 21.11.06 .

5. “ , . . . ”  
1984 .

**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:** yes