

**Faculty of Architecture****Department:** Construction Engineering**Professional field:** 5.7. Architecture, Civil Engineering and Geodesy**Specialty:** Building Constructions**Educational-qualification degree:** Master**COURSE DESCRIPTION**

1. Course title: **Fire and Explosion Safety of Buildings and Facilities**
2. Course code: **CIE 1032**
3. Type of course: **elective**
4. Level of course: **Master**
5. Year of study: **first**
6. Semester when the course is delivered: **second**
7. Number of ECTS credits allocated: **6 (4,5 – lectures and 1,5 – seminars and coursework)**
8. Name of lecturer: **Assoc. Prof., Eng. Milena Kichekova, PhD**
9. Learning outcomes of the course: as a result of the course students will know about the flammability fire resistance of buildings and facilities, the technical measures for fire protection and will be able to determine the type of combustion products in special circumstances; students will be able to apply their knowledge for quick orientation and taking action in emergency situations in real life.
10. Mode of delivery: **face-to-face**
11. Prerequisites and co-requisites: students have to possess the necessary knowledge in Fire Safety of Buildings, Fire Safety of Thermal and Ventilation Facilities, Fire and Explosion Protection of Electrical Installations and Appliances and Hydraulics and Fire Safety Water Supply.
12. Course contents: to form knowledge regarding the design of technical measures for fire protection, work volume and planning and building-technical solutions to combat the filling with smoke, the implementation in construction projects with technical plans for fire safety, fire protection of buildings and structures with different functions.
13. Recommended or required reading:
  - Наредба No Из-1971, за строително-техническите правила и норми за осигуряване на безопасност при пожар, 2009.
  - Правилник за устройство на електрическите уредби и електропроводни линии, 2007.
14. Planned learning activities and teaching methods: **lectures, seminars, coursework, contact hours, independent work.**
15. Assessment methods and criteria: defense of a coursework – a separate grade, written and oral examination; as elements of assessment during training shall be: attending classes - 10%, oral examination - 20% and written examination - 70%. The final examination constitutes two questions from the conspectus. Reasons for the evaluation, students receive on the day of the examination, based on the knowledge demonstrated. In the event of poor performance at the end of semester, the assessment of students can be reduced to a lesser extent, if shown good results from ongoing work during the semester, or they have regularly attended the lectures.
16. Language of instruction: **Bulgarian**
17. Work placement(s): **none**