

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: Tactics of fire and rescue works in complex and major accidents**
- 2. Course unit code: TEC3091**
- 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: 3**
- 8. Name of lecturer(s): Assoc. Prof. Simeon Radulov, PhD**
- 9. Learning outcomes:** The course equips the students with knowledge and skills to assess the situation; how to plan, organize and manage the forces and equipment in extinguishing fires.
- 10. Mode of delivery: face-to-face**
- 11. Prerequisites and co-requisites:** The course is based on the knowledge of the discipline of the Technical University of Agriculture and Forestry, Fire Development, Hydraulic and Fire Safety, Firefighters Formation Training, etc.
- 12. Course content:** Thermal theory to stop combustion in a fire. Fire extinguishing substances - types, characteristics, application. Cost and intensity. Intelligence and deployment of forces and equipment. Tactical capabilities of fire teams and subdivisions. Management of fire forces and fire fighting equipment. Firefighting training of fire and emergency safety personnel: principles, methods, forms. Examination of fire development and analysis of extinguishing actions. Emergency rescue operations in industrial accidents; in case of road accidents; rescue operations after avalanches and heavy snowfall.
- 13. Recommended or required reading and other learning resources/tools:**
 1. „ , - - , „ 1990
 2. „ , - - , „ 1987
 3. „ - , „ 1980
 4. „ , « » , „ 2000

