

Building Fire Safety

- 1. Course number and name:** 020SEIGS5 Building Fire Safety
- 2. Credits and contact hours:** 2 ECTS credits, 1x1.25 hours
- 3. Name(s) of instructor(s) or course coordinator(s):** Alexandre RICHA
- 4. Instructional Materials:**
 - a. Arrêté du 31 Janvier 1986 Modifié.
 - b. Arrêté du 25 Juin 1980 Modifié.
 - c. Instructor's Class Notes
- 5. Specific course information**
 - a. **Catalog description:** The course deals with the main principles of fire safety illustrated by the requirements contained in the different standards.
 - b. **Prerequisites or co-requisites:** None
 - c. **Required:** Required course for Buildings and Engineering Management Specialty students.
- 6. Educational objectives for the course**
 - a. **Specific outcomes of instruction:**

By the end of the course, the student will be able to:

 - Locate buildings according to their accessibility by a fire engine
 - Design a building insulation system
 - Determine the fire rating of structures
 - Design evacuation routes
 - Identify the effect of fire on construction materials
 - Design a natural or mechanical smoke ventilation systems
 - Design firefighting techniques (Detection, Alarm, Sprinkler system, Extinguishers, etc...).
 - b. **PI addressed by the course:**

PI	1.3	1.4	2.1	2.2
Covered	yes	yes	yes	yes
Assessed				

- 7. Brief list of topics to be covered:**
 1. Introduction and Generalities on Fire in Buildings – 4 Hours
 2. Fire Safety Requirements in Residential Buildings – 4 Hours.
 3. Fire Safety Requirements in Car Park Buildings – 2 Hours.
 4. Fire Safety Requirements in Public Buildings (ERP) – 10 Hours.