

Fire Safety in Heritage Premises



Introduction

This online course offers an in-depth exploration of fire safety and protection tailored for heritage buildings, addressing the unique challenges in conserving and managing historical sites. It covers a wide range of topics including heritage protection, the significance and process of listing buildings, and the legislative framework governing such practices.

A significant focus is placed on fire safety, with case studies of major incidents to guide the discussion on prevention, risk assessment, and the application of fire engineering principles. The course also tackles refurbishment challenges, the use of timber, the role of fire risk assessors, and the implementation of fire extinguishing systems in heritage contexts.

Additionally, it provides practical advice on emergency response planning and salvage operations. Designed for those involved in the management or preservation of heritage sites, this course equips participants with the necessary knowledge and tools to protect these valuable structures from fire risks.

Module 1

This module will cover the following topics:

- Introduction
- Heritage protection
- Listed buildings.
- Scheduled monument
- Statutory buildings



Module 2

This module will cover the following topics:

- What can be listed?
- Process for listing.
- What is listed?
- Listed buildings.



Module 3

This module will cover the following topics:

- Statutory requirement for listing
- Age and rarity
- Aesthetic merits
- Selectivity
- Alterations to an existing building



Module 4

This module will cover the following topics:

- Fire Safety in Heritage Buildings
- Fire safety concerns.
- Windsor Castle Fire 1992
- Clandon Park Fire 2015

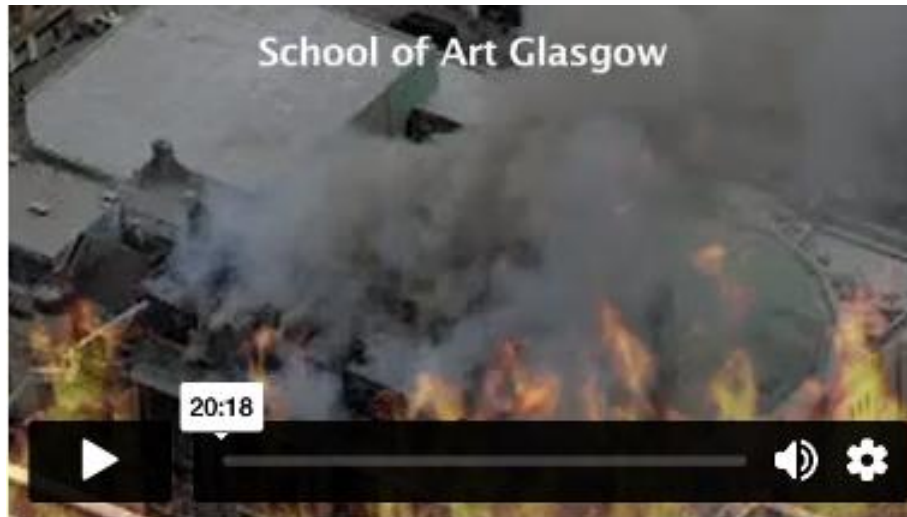


You should now attempt Module 1-4 test.

Module 5

This module will cover the following topics:

- School of Art Glasgow
- Lessons learned.



Module 5a

This module will cover the following topics:

- School of Art Glasgow 2018
- The fire



Module 6

This module will cover the following topics:

- Riga Castle
- Heritage buildings - Special problems
- Cutty Sark Fire 2007
- Notre Dame Fire 2019



Module 7

This module will cover the following topics:

- Fire risk assessor.
- How do they do this?
- Is this appropriate?
- Fire engineering approach.



You should now attempt Module 5-8 test.

Module 8

This module will cover the following topics:

- Fire extinguishing.
- Archives
- Kitchens
- Plant rooms, archives and vaults.
- Sprinklers in listed buildings



Module 9

This module will cover the following topics:

- Who should the fire risk assessor consult?
- Fire risk assessments in Heritage Buildings
- Fire protection.
- Approved Document B



Module 10

This module will cover the following topics:

- First aid firefighting equipment



Module 11

This module will cover the following topics:

- Means of escape and warning



Module 12

This module will cover the following topics:

- Passive fire protection
- Party floors.
- Under roofs
- Case study



You should now attempt Module 9-12 test.

Module 13

This module will cover the following topics:

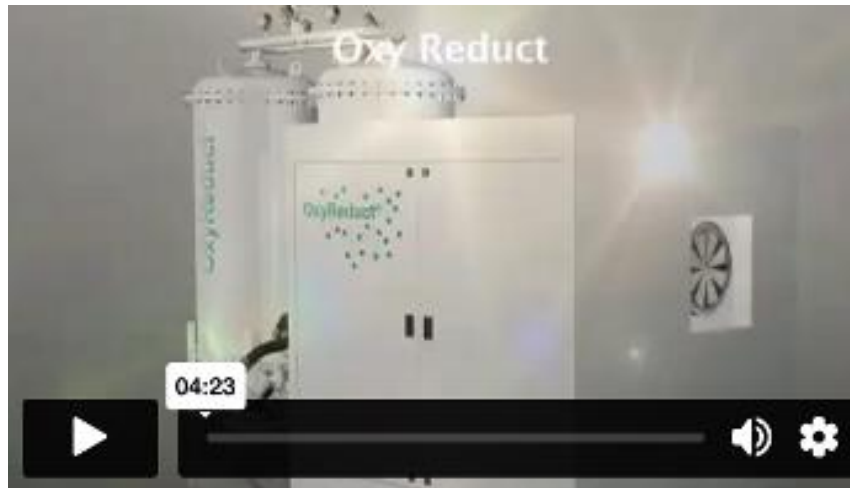
- Gaseous systems
- General rules
- Halon
- 3m Novec



Module 14

This module will cover the following topics:

- Oxyreduct



Module 15

This module will cover the following topics:

- Inergen



You should now attempt Module 13-15 test.

Module 16

This module will cover the following topics:

- Access for tender vehicles
- Access solutions
- Firefighting considerations



Module 17

This module will cover the following topics:

- Camera based solutions
- Flame detection.
- Case study



Module 18

This module will cover the following topics:

- Upgrading floors
- Modelling
- Upgrading fire doors



Module 19

This module will cover the following topics:

- Staining
- Door closers
- Concealed door closers for heritage & refurbishment
- Does it need to be a fire door?
- Function of a fire door?
- Rising butt hinges



You should now attempt Module 1-4 test.

Module 20

This module will cover the following topics:

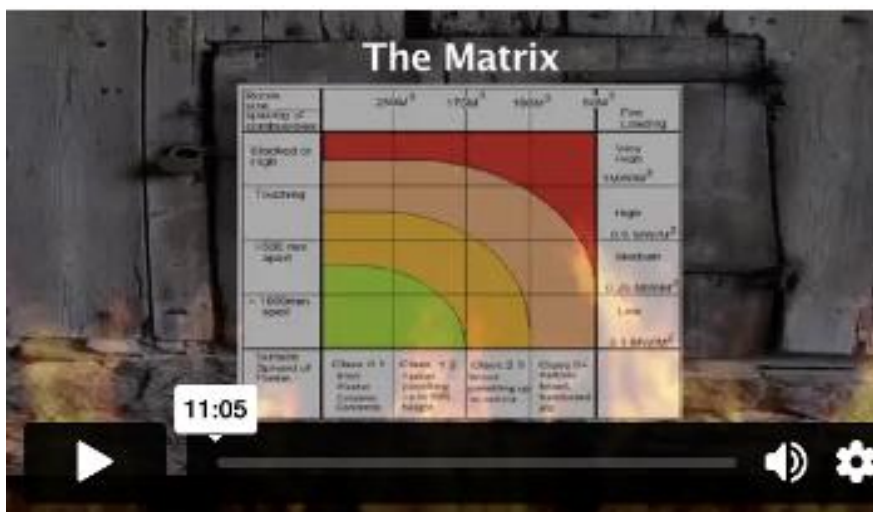
- Kensington palace fire
- Determination 2006
- Effect of room size on fire growth and upgrading fire doors



Module 21

This module will cover the following topics:

- The matrix
- Critical factors
- Fuel load.
- Surface spread of flame
- Room size
- Spacing of the load



Module 22

This module will cover the following topics:

- Emergency response plans
- Preparing your emergency response plan
- Fire service role in Salvage Operations
- Sections in an emergency response plan



Module 23

This module will cover the following topics:

- Salvage plans.
- Salvage plans - Responsibilities.
- Which objects to remove?
- Completed salvage plan.
- Grab sheets.
- Order of prioritisation



Grab Sheet example.

This module will look at an example of a grab sheet.



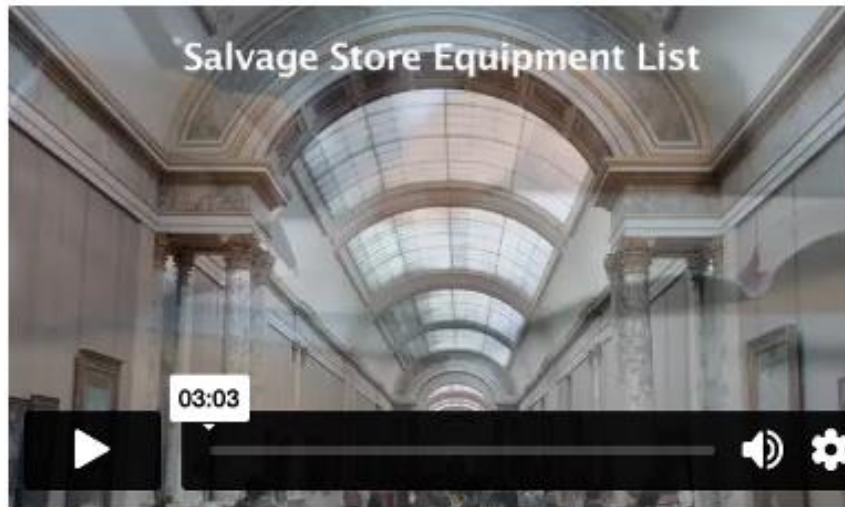
Incident Management Structure example

This module will give an example of an incident management structure and the roles of the individuals involved.



Salvage Store Equipment list example.

This module will give an example of a typical salvage store equipment list.



Now you should attempt module 20-23 test.

Congratulations you have now completed the test and you can download your certificate.