Section 6

Syllabus

The course is structured into five sections, each with an indicative time allocation:

Section		Time Allocation
1	Legislative requirements	5%
2	Types of asbestos and their health effects	15%
3	Management of asbestos in buildings	35%
4	Remediation methods	25%
5	Roles of analyst and four stage clearance	20%

Educational objectives

Candidates understand the principles and requirements for all required asbestos management actions.

The numbers in brackets refer to the publications listed in 'References and further reading' in Section 7.

1 Legislative requirements (5%)

1.0.1 Revise the requirements for management of asbestos in buildings under the Health and Safety at Work Act (1974); the Control of Asbestos Regulations (2012) and the associated approved Code of Practice (12); the Management of Health and Safety at Work Regulations and the Construction (Design and Management) Regulations 2015.

1.0.2 Revise the latest guidance editions for asbestos management in buildings (2), (3), (5), including surveying (8), contractor (6) and analysis guidance (7).

2 Types of asbestos and their health effects (15%)

2.0.1 Revise the three types of asbestos which have found significant commercial use (Amosite, Chrysotile and Crocidolite), in relation to sprayed and thermal insulation, insulating boards, coatings, cement products and other reinforced products (e.g. vinyl tiles, roofing felts) commonly used in building construction.

2.0.2 Revise the full range of health effects ranging from benign (pleural plaques) to terminal (mesothelioma) in the light of results from epidemiological studies carried out on asbestos workers.

3 Management of asbestos in buildings (35%)

3.0.1 Using HSE guidance, revise the steps necessary to manage identified asbestos in buildings (e.g. location survey, asbestos register, risk assessment, written plan of control actions).

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3.0.3 Revise the application and composition of other asbestos products which are likely to be used or found in plant, machinery or domestic appliances (e.g. textiles, friction materials, seals, gaskets etc.)

3.0.4 Revise the need to record and label asbestos identified as being present in buildings, and the procedures for preventing damage to Asbestos-Containing Materials (ACMs).

3.0.5 Revise the method of generating asbestos registers from basic asbestos survey report data, with suitable action plans and programmed reviewing. Confirm the full understanding of material and priority assessments.

3.0.6 Revise the management systems used, including permits to work and other safety systems (e.g. COSHH, confined space entry, working at heights, etc.)

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4 Remediation methods (25%)

4.0.1 **Preparation**
Revise the steps required in project management: preparation and acceptance of job specifications; preparation of plans of work by the contractor, and how this will integrate with other operations on the site. Revise the need for and application of emergency procedures. Revise the working relationships and responsibilities of building managers with supervisory licence holders, removal contractors and analysts.

4.0.2 **Enclosures**
Review the types and specifications of enclosures, with the various types of airlocks, their purposes and deficiencies. Revise the types of decontamination units and their general requirements.

4.0.3 **Remediation measures and removal procedures**
Revise methods of encapsulation and sealing, and where these methods would be considered appropriate. Revise the control measures available during removal operations, to ensure that asbestos dust levels are kept as low as is reasonably practicable inside the enclosure. Revise the requirements for removal storage and disposal of waste.

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5 Roles of analyst and four stage clearance (20%)

5.0.1 **Roles of the analyst**
Revise the role of the analyst as a competent person/consultant, covering the various applications of measurement techniques that can be applied to building management and removal/remediation projects.

5.0.2 **Four stage clearance procedure and testing of enclosures**
Revise all of the essential requirements of four stage clearance procedure, clearance testing and re-occupation certification for enclosures and decontamination units.