

# Knowledge Levels

## Level

The basic knowledge requirements for categories A, B1 and B2 certifying staff are indicated in the contents list of the module notes by knowledge level indicators 1, 2 or 3 against each chapter.

### Level 1

A familiarisation with the principal elements of the subject.

#### Objectives

The student should be familiar with the basic elements of the subject.  
The student should be able to give a simple description of the whole subject using common words and examples.  
The student should be able to use typical terms.

### Level 2

A general knowledge of the theoretical and practical aspects of the subject. An ability to apply that knowledge.

#### Objectives

The student should be able to understand the theoretical fundamentals of the subject.  
The student should be able to give a general description of the subject using, as appropriate, typical examples.  
The student should be able to use mathematical formulae in conjunction with physical laws describing the subject.  
The student should be able to read and understand sketches, drawings and schematics describing the subject.  
The student should be able to apply knowledge in a practical manner using detailed procedures.

### Level 3

A detailed knowledge of the theoretical and practical aspects of the subject. A capacity to combine and apply the separate elements of knowledge in a logical and comprehensive manner.

#### Objectives

The student should know the theory of the subject and interrelationships with other subjects.  
The student should be able to give a detailed description of the subject using theoretical fundamentals and specific examples.  
The student should understand and be able to use mathematical formulae related to the subject.  
The student should be able to read, understand and prepare sketches, simple drawings and schematics describing the subject.

