

The Institute Of Carpenters



Fellowship Syllabus

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Fellowship Syllabus

This syllabus has been devised to provide for the requirements of organisation and supervision in woodworking, both in the factory and on the building site.

It is envisaged that candidates will have achieved Membership status in the Institute or, alternatively, that they will be eligible to apply for such membership by the level of their qualifications and achievement, and that they will be conversant with the requirements of the Membership Syllabus.

The examination will consist of **TWO** papers, each of three hours duration :-

i) Joinery or Carpentry practice.

and

ii) Organisation and Supervision. This will relate to workshop and site supervision and will embrace organisation and planning, materials and pricing, statutory and personnel requirements.

JOINERY PRACTICE

Types of work. Planning for general work. Planning for mass production.

The factory site: buildings, plant and equipment, layout.

Plant selection and capacity. Production cycles and flowlines.

Dust and chip extraction and disposal. Mechanical handling.

Specifications and drawings. Joinery schedules. Reduction of site work.

Setting out practice; use of rods, full size sections and templates.

Materials requisitions and preparation of cutting lists.

Timber selection and cutting. marking out practice.

Machinery and assembly techniques - use of jigs and special equipment.

Computer control of machinery.

Types of finish, protective and decorative.

Protection of work, storage and delivery.

CARPENTRY PRACTICE

Construction carpentry. First and second fixing. Timber framed buildings.

Temporary work.

Fabrication and assembly methods for components - jointing techniques.

Plant and scaffolding.

Site measurement - levelling, plumbing and use of datum lines.

Stacking and storage of timber and joinery on site.

Woodworking machinery and portable powered hand tools.

ORGANISATION AND SUPERVISION

Structure of the organisation. Supervision. Efficiency.

Work study, programming and progressing.

Purchasing and ordering.

Personnel requirements - deployment of labour.

Operatives for specialist production and construction.

Recognition and rectification of faults and defects.

MATERIALS

Timber, also manufactured boards and sheets; sources of supply - grades and grading - uses and fitness for purpose. Veneers.

Adhesives - uses and suitability for purpose.

Commercial and architectural hardware, fastenings and fixings.

MEASUREMENT AND PRICING

Measurement of timber - linear, square and cube.

Waste factors, plant costs, maintenance and depreciation.

Standard Method of Measurement.

Taking off from drawings. Bills of Quantities. Pricing.

Wages, overheads and profits - true labour costs - incentives. Efficient use of capital.

THE COMPUTER

Techniques in the use of computers for the planning and control of building works.

STATUTORY AND PERSONNEL REQUIREMENTS

Building Regulations as they affect the use of timber in building.

British Standard Specifications and Codes of Practice.

Management legislation relative to employment.

Industrial Training Acts, Apprenticeships, Training Schemes. National Working Rule Agreement. Regulations affecting Safety Health and Welfare. Factories Acts including floor surfaces, heating, lighting and ventilation. Fire precautions.