

Level 2 Technical Certificate in Architectural Joinery (7906-21)

Qualification Report 2024

Contents

Introduction.....	3
Qualification Grade Distribution.....	4
Theory Exams	5
Grade Boundaries.....	5
Chief Examiner Commentary.....	7
Synoptic Assignment.....	10
Grade Boundaries.....	10
Principal Moderator Commentary	11

Introduction

This document has been prepared by the Chief Examiner and Principal Moderator; it is designed to be used as a feedback tool for centres in order to enhance teaching and preparation for assessment. It is advised that this document is referred to when planning delivery and when preparing candidates for City & Guilds Technical assessments.

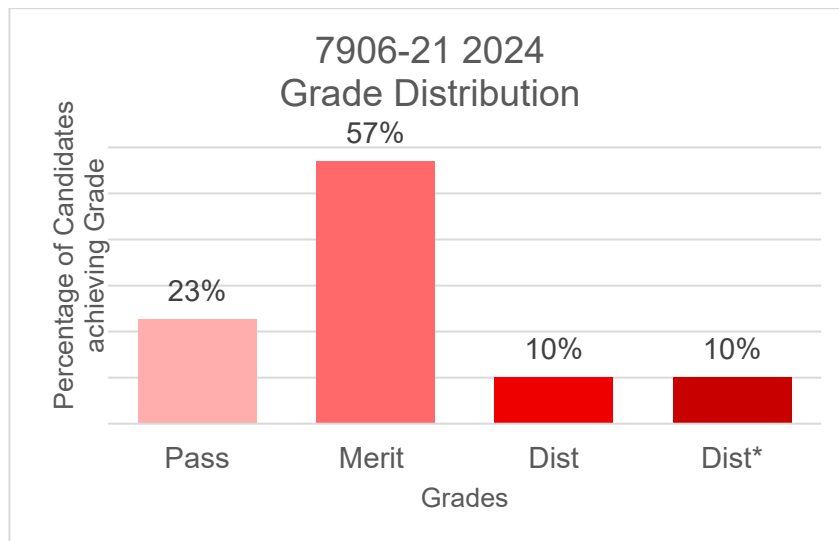
This report provides general commentary on candidate performance in both the synoptic assignment and theory exam. It highlights common themes in relation to the technical aspects explored within the assessment, giving areas of strengths and weakness demonstrated by the cohort of candidates who sat assessments in the 2024 academic year. It will explain aspects which caused difficulty and potentially why the difficulties arose.

The document provides commentary on the following assessments.

- 7906-005/505 – Level 2 in Architectural Joinery – Theory exam
 - March 2024 (Spring)
 - June 2024 (Summer)
- 7906-006 – Level 2 in Architectural Joinery – Synoptic Assignment

Qualification Grade Distribution

The grade distribution for this qualification during the 2023/2024 academic year is shown below.



This data is based on the distribution as of 19 August 2024.

Please note City & Guilds will only report qualification grades for candidates who have achieved all of the required assessment components, including Employer Involvement, optional units and any other centre assessed components as indicated within the Qualification Handbook

Theory Exams

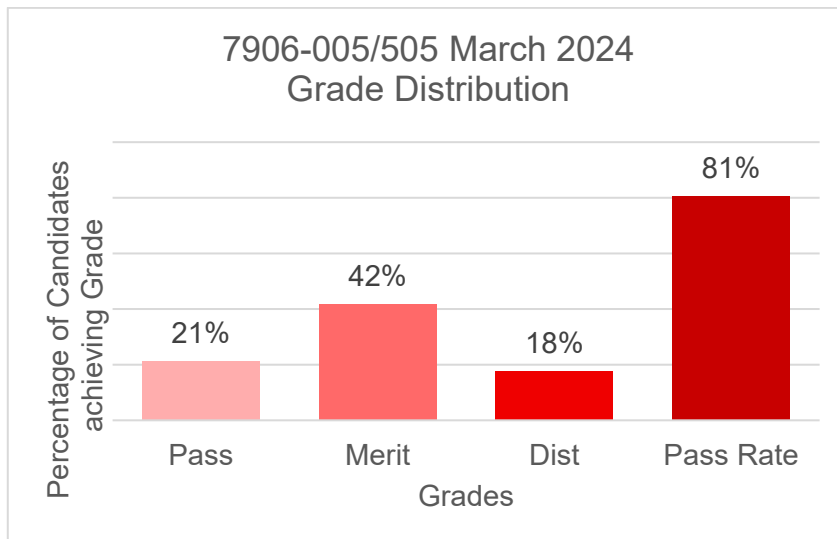
Grade Boundaries

Assessment: 7906-005/505
Series: March 2024 (Spring)

Below identifies the final grade boundaries for this assessment, as agreed by the awarding panel.

Total marks available	60
Pass mark	28
Merit mark	37
Distinction mark	46

The graph below shows the approximate distributions of grades and pass rate for this assessment.

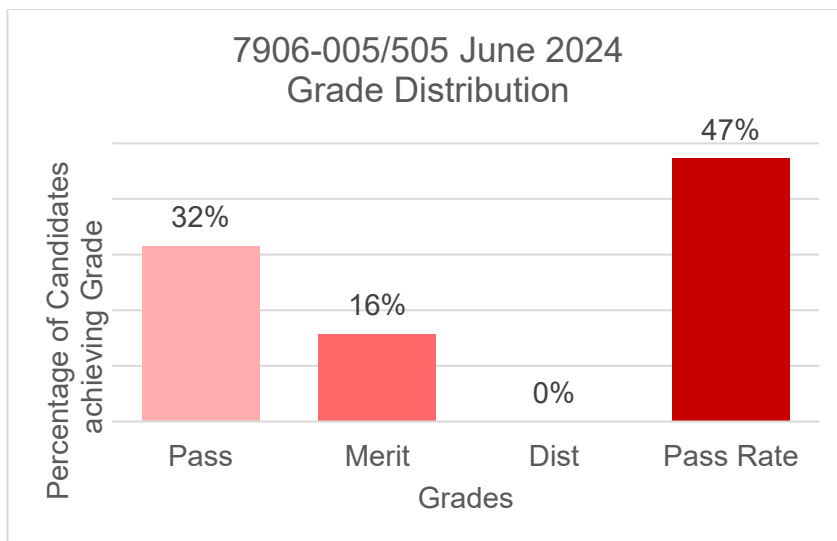


Assessment: 7906-005/505
Series: June 2024 (Summer)

Below identifies the final grade boundaries for this assessment.

Total marks available	60
Pass mark	27
Merit mark	36
Distinction mark	45

The graph below shows the approximate distributions of grades and pass rate for this assessment using the above boundary marks.



Chief Examiner Commentary

7906-005/505 Level 2 Architectural Joinery -Theory Exam

Series 1 – March 2024

This exam covers units 201 (Principles of construction), 206 (Planning and preparation for architectural joinery production) and 207 (Use of woodworking machinery).

The questions are broken down into three assessment objectives: AO1 (Recall of knowledge), AO2 (Understanding) and AO4 (Applied knowledge).

Candidates performed well this series, answering most of the AO1 questions and AO2 questions correctly. The majority of the AO4 questions were answered correctly which is an improvement on the last March series.

The questions in Unit 201 did not seem to pose a challenge to most candidates. This demonstrated that candidates had well-rounded knowledge and understanding of this unit.

Unit 206 performed better compared to previous series and the majority of the questions were well answered across all the assessment objectives. The following topics did, however, pose a challenge, namely:

- 1.1 Interpret information when setting and marking out products
- 2.6 Setting and marking out tools
- 3.2 Joints.

In Unit 207 good responses were seen across all questions and assessment objectives, with no areas of weakness to note. This unit has consistently performed well with candidates demonstrating good knowledge and understanding.

To improve candidate performance, centres are advised to reinforce the above topics when delivering the underpinning knowledge of these units. Candidates must ensure they fully read the questions carefully before selecting their responses and structure their time appropriately to be able allow sufficient time to read the options and make their selection.

Series 2 – June 2024

This exam covers units 201 (Principles of construction), 206 (Planning and preparation for architectural joinery production) and 207 (Use of woodworking machinery).

The questions are broken down into three assessment objectives: AO1 (Recall of knowledge), AO2 (Understanding) and AO4 (Applied knowledge).

Candidates performed well this series answering most of the AO1 questions correctly. Candidates struggled however, with the AO2 questions. The majority of the AO4 questions were answered correctly, which demonstrated that candidates are improving when answering these types of questions.

Unit 201, candidates are responding to the principles of construction questions well. This demonstrated that candidates are gaining well-rounded knowledge and understanding of this unit.

Candidates have performed consistently well with questions relating to learning outcomes 1, 2 and 3. There was a slight weakness demonstrated in an AO2 question related to Topic 2.2 Construction documentation.

Other areas of weakness within this unit were around Topics 4.1 Substructure and 5.1 Walls which has been a continuing theme from previous series.

Unit 206, candidates performed very well on the AO1 questions within this unit. The AO2 questions were well responded to, but candidates struggled on a couple of the AO2 questions relating to the following topics:

- 2.3 Timber conversion and seasoning.
- 2.6 Setting and marking out tools.

Topic 3.2 Joints, performed less favourably across both the AO1 and AO2 assessment objectives and this is a continuing theme from previous series.

AO4 questions are steadily improving, candidates are responding better to these types of questions and are applying their knowledge and understanding when answering these questions. There are still some areas of weakness, namely around the following topics:

- 1.1 Interpret information when setting and marking out products.
- 3.4 Types of ironmongery used in architectural joinery.

It is important to note that the poorly performing topics were the same as in the March 2024 series, reinforcing the need to emphasise the knowledge delivered in these areas.

Unit 207, overall candidates performed well on the AO1 questions, and a consistent improvement was shown on the AO4 questions. Themes of strength were around the following topics.

- 1.1 Legislation.
- 1.2 Hazards.
- 2.4 Profiling machines.

Candidates performed less favourably on the AO2 questions compared with the March 2024 series.

Areas of weakness demonstrated across all the AOs for this unit were around the following topics.

- 2.2 Planers.
- 3.2 Carry out pre-start checks.

To further improve candidate performance, centres are advised to reinforce the identified topics of weakness when delivering the underpinning knowledge of these units. Candidates must ensure they fully read the questions carefully before selecting their responses and structure their time appropriately to be able allow sufficient time to read the options and make their selection.

Synoptic Assignment

Grade Boundaries

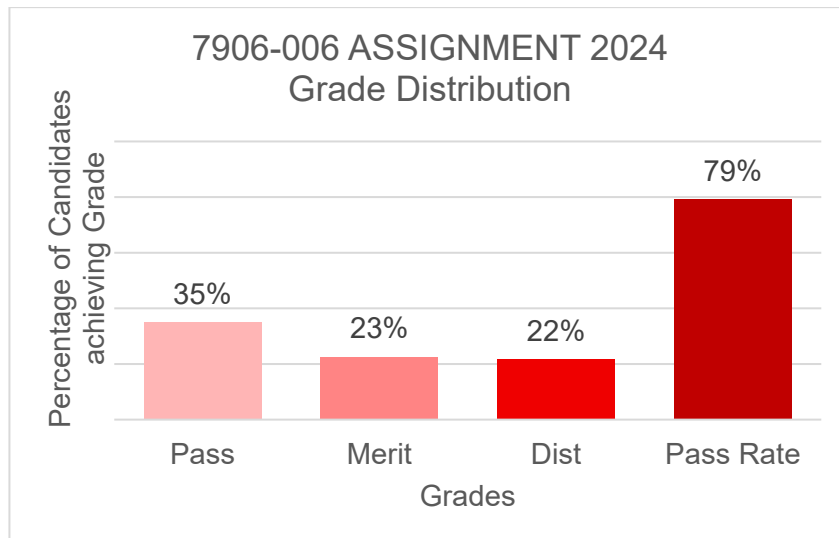
Below identifies the final grade boundaries for this assessment

Assessment: 7906-006

Series: 2024

Total marks available	60
Pass mark	25
Merit mark	33
Distinction mark	42

The graph below shows the distributions of grades and pass rate for this assessment.



Principal Moderator Commentary

The synoptic assignment is designed to cover the elements of the programme not assessed within the knowledge test.

This synoptic assignment has three distinct tasks:

Task 1 Planning

Candidates were required to:

- 1a) produce the setting out detail for a door and lining
- 1b) candidates were required to produce a cutting list for the door and lining.

Task 2 Practical

Candidates were required to manufacture the door and lining.

Task 3 Self evaluation

Candidate were required to write a self-evaluation of their performance.

AO1 Recall

Most candidates demonstrated good evidence of recall across all the tasks and were able to select the correct tools and equipment to produce the setting out rod. Also, most candidates were able to produce an accurate cutting list.

AO2 Understanding

A basic drawing was provided showing the front elevation of the door only. All joint detail was omitted to allow the marker to assess the candidates level of understanding and problem-solving ability when setting out and transferring lines from the rod to the timber sections. The higher scoring candidates tended to select the most appropriate jointing techniques and included these in their setting out detail, showcasing their understanding of joint selection and recall of proportions. While the lower performing candidates omitted joints from the setting out detail and butt jointed their frames together.

AO3 Practical

Most candidates completed the task in the recommended time with various degrees of success. Most could be classified as fit for purpose with only minor errors while others did not fully meet this standard, the most common mistake being candidates not working to a recognised sequence and making simple errors that required replacement timber ie not allowing for the groove and cutting tenon shoulders square rather than angles to match the stile. Some good use of hand and portable power tools was observed with joints being tight and flush to all cheeks and shoulders, while the lower scoring candidates had gaps to one or both faces with clear gaps around the tenon shoulders and stop laths on the door frame.

AO4 Bring it all together

Candidates that achieved the higher marks within AO4 had familiarised themselves with the assessment brief and fully understood what was required. They had devised a sequence of operations that would enable them to complete the task timely, and to a standard that met the tolerances. Candidates that did not prepare and plan adequately tended to be marked lower within this AO.

AO5 Attention to detail

As Architectural Joinery is very much process driven, with tight tolerances required within industry, attention to detail is paramount from start to finish in the manufacture of any joinery item. The candidates that regularly checked measurements throughout the setting out stage tended to produce working drawings that were clean, accurate and easy to follow. Using face side and edge marks correctly enabled the more organised candidates to mark all joints at the

same time again demonstrating a comprehension of what is required to produce an accurate piece of architectural joinery.

Risks

It was noted that some centres had clearly led the candidates through the synoptic, with all candidates either using unorthodox construction methods or producing identical setting out details with the same missing evidence that followed through to the finished product. This bad practice does not allow candidates to showcase their knowledge, skills and abilities fully, resulting in disadvantaged candidates.

Summary

Candidates that read and fully understood the brief, planned a sequence of operations and regularly checked their setting out detail, tended to produce the most accurate setting out detail with an accurate setting out rod and planned sequence of operations. Some good practices were seen with candidates that marked out in full, machined timber in batches and completed the task comfortably within the time, allowing them time to ensure the overall finish met the set tolerances. Candidates that did not work to a recognised sequence tended to make basic errors requiring replacement components, tenons cut to the incorrect size, large wedges filling gaps to joints, omitted details (stopped chamfers and trefoil) and had to rush to finish timely that resulted in an overall poor finish and lower marks being awarded.