

# 專業木工基礎課程

Professional Carpentry Essential Course



ZAWOOD

## 課程簡介:

木工基礎課程是一個專為希望學習木工技能的初學者設計的綜合性課程，旨在提供實用的知識和技巧，使學員能夠獨立完成各類木工作業。

課程內容包括對各種木工工具的識別與正確使用，涵蓋手工具與電動工具的安全操作；學員將學會如何進行精確的測量和標記，確保在切割和組裝時的準確性。此外，課程將深入介紹各類接頭技術，如平接、燕尾接，掌握基本框架結構的建設。

學員還將學習實用的裝飾與完成技巧，能夠對木材進行打磨和上漆，以提升作品的視覺美感。通過實踐項目，學員有機會應用所學技能，培養創新與解決問題的能力。課程形式靈活，通常為期幾週至幾個月，並可能提供結業證書，以助學員在未來的木工業務或興趣發展中更具競爭力。

## INTRODUCTION:

The Carpentry Essentials Course is a comprehensive program designed specifically for beginners who wish to learn woodworking skills. Its aim is to provide practical knowledge and techniques that enable participants to independently complete various woodworking tasks.

The course covers the identification and proper use of different woodworking tools, including safety operations for both hand tools and power tools. Students will learn how to take precise measurements and mark wood correctly, ensuring accuracy during cutting and assembly. Additionally, the curriculum delves into various joinery techniques, such as butt joints and dovetails, while mastering the basics of building frameworks. Participants will also acquire practical finishing skills, learning how to sand and paint wood to enhance the aesthetic appeal of their projects.

Through practical projects, students have the opportunity to apply what they've learned, fostering creativity and problem-solving abilities. The course is flexible in format, typically lasting several weeks to months, and may offer a certificate upon completion, aiding students in becoming more competitive in future woodworking endeavors or personal interests.

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## 課程大綱:

### 木工介紹

- 木工概述及其在產品設計的重要性
- 安全預防措施和正確使用設備

### 工具和材料

- 了解手工具（鋸、刨子、錘子）
- 電動工具（電鑽、路由器、台鋸）
- 木材和其他木工材料的種類

### 測量和標記

- 精確測量的技巧
- 確保方正和平整的重要性

### 基本接頭技術

- 接頭類型（平接、斜接、燕尾接）
- 固定木材的方法（釘、螺絲、膠水）

### 裝飾技術

- 打磨、著色和密封木材表面
- 實現光滑和美觀的表面效果的技巧

### 項目實踐

- 實際項目以應用所學技能
- 構建簡單結構（例如，架子、家具）

### 故障排除和維護

- 木工中的常見問題及解決方法
- 工具和設備的維護



## COURSE OUTLINE:

### Introduction to Carpentry

- Overview of carpentry and the importance of woodworking and its relevance to product design.
- Safety precautions and proper equipment usage

### Tools and Materials

- Familiarization with hand tools (saws, chisels, hammers)
- Power tools (drills, routers, table saws)
- Types of wood and other materials used in carpentry

### Measuring and Marking

- Techniques for precise measurement
- Importance of squaring and leveling

### Basic Joinery Techniques

- Types of joints (butt joints, miter joints, dovetails)
- Wood fastening methods (nails, screws, adhesives)

### Finishing Techniques

- Sanding, staining, and sealing wood surfaces
- Techniques for achieving smooth and attractive finishes

### Project Work

- Hands-on projects to apply learned skills
- Building simple structures (e.g., shelves, Toolbox)

### Troubleshooting and Maintenance

- Common issues in carpentry and how to address them
- Maintaining tools and equipment



## 課程內容:

課程節數: 16節

每節時長: 2小時

目標受眾: 12歲或以上

上堂地點: 宅木木工場

實習項目: 3件小作品(書托、木槌仔及工具架)及1件大作品(椅子或收納箱)

## COURSE DETAILS:

**Number of sessions:** 16 sessions

**Duration:** 2 hours/each session

**Target:** 12 years old or above

**Class location:** Zawood workshop

**Projects:** 3 small items (a book rest, a wooden mallet, and a tool rack) and 1 large item (a chair or storage box).



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## 關於宅木

扎根於澳門超過10年的木藝店，以環保的理念為客人提供優質的訂造服務，包括實木家具，創意家品，希望將傳統工藝以創新的思維方式傳送出去。

經過多年的經驗之後，我們還提供木工課程教授服務，並以創新的設計概念教學方式，吸引年輕人對木藝的興趣，培養下一代對工藝的追求。

宅木擁有一體化的木製服務，由教學、生產、銷售、保養維修等都做到，是澳門唯一一家木藝店。

### ABOUT ZAWOOD:

We are a wooden shop rooted in Macau for over 10 years. With an eco-friendly philosophy, we provide high-quality custom-made services to our customers, including solid wood furniture and creative home products. Our goal is to transmit traditional craftsmanship through innovative thinking.

After years of experience, we also offer woodworking courses to teach and inspire young people's interest in woodworking. We use innovative design concepts as teaching methods to cultivate the next generation's pursuit of craftsmanship.

Zawood provides integrated wooden services, including teaching, production, sales, and maintenance and repairs. We are the only wooden shop in Macau.

### 聯絡我們:

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