

CERTIFICATE OF ACHIEVEMENT IN CABINETMAKING/FURNITURE MAKING

College of Micronesia – FSM  
P.O. Box 159  
Kolonia, Pohnpei

Course Outline Cover Page

Domestic Construction

Course Title

VCF 110

Department and Number

Course Description:

This course is designed to teach the students techniques in the basic construction of domestic cabinets and furniture that are more commonly found in the private home. The student will also learn various methods of producing custom made pieces of furniture to a clients specification.

Prepared by: Jeff Steel

State: Pohnpei Campus

	Hours per Week	No. Of Weeks	Total Hours	Semester Credits
Lecture	3/6	16/8	48	3
Total Semester Credits:				3

**Purpose of Course**

Degree Requirement	_____
Degree Elective	_____
Advanced Certificate	_____
Certificate	_____XX_____
Apprenticeship	_____XX_____
Other (Workshop)	_____

Prerequisite Course(s): VCF 104 Intro to Cabinetmaking/Furniture Making,

\_\_\_\_\_  
Signature, Chairman, Curriculum Committee

\_\_\_\_\_  
Date Approved by Committee

\_\_\_\_\_  
Signature, President, COM-FSM

\_\_\_\_\_  
Date Approved by President

CERTIFICATE OF ACHIEVEMENT IN CABINETMAKING/FURNITURE MAKING

**COURSE TITLE**                    **DOMESTIC CONSTRUCTION**

**Nominal Duration**            **48 Hours/3 Credits**

**Course Code**                    **VCF 110**

**General Objective**            **To develop the knowledge and skills necessary to construct domestic cabinets and furniture such as kitchen cabinets, tables & bedroom furniture.**

**Prerequisites**                    **VCF 104 Intro to Cab/Furn Making (before or concurrently)**

**Learning Outcomes**

Upon successful completion of this course the student will be able to:

1.        Identify types of Domestic Cabinets/Furniture
2.        Identify components of Domestic Furniture
3.        Identify Jointing Methods
4.        Produce full size Setout and Cutting & Costing Lists
5.        Manufacture a Practical Project

**Delivery**                            Delivery methods must provide for the demonstration of competence in skills specified in all learning outcomes.

**Assessment**                        More than one learning outcome may be assessed at once, by observing the learners ability to apply both specified skills and knowledge.

# CERTIFICATE OF ACHIEVEMENT IN CABINETMAKING/FURNITURE MAKING

## LEARNING OUTCOME 1

### Types of Domestic Cabinet/Furniture

#### VCF 110.1

**Identify various types of Cabinets and pieces of Furniture manufactured for Domestic use.**

#### Assessment Criteria

**110.1.1 Describe four (4) types of cabinets currently being manufactured for Domestic use.**

**110.1.2 Describe and explain the function of four (4) different pieces of furniture manufactured for Domestic use.**

**110.1.3 Select and Design a suitable cabinet or piece of furniture for a given situation.**

**All work practices must ensure that safe practices are adopted.**

#### Conditions

**Working in groups given:**

- **Samples of cabinets and furniture**
- **Verbal presentation to the group of learners**
- **Workplace visits to study recent and emerging trends that are current to the industry.**
- **Manufacturers' catalogues/brochures**

#### Assessment Method

**Assessment may involve any of the following methods**

- **Oral questioning**
- **Written tests**
- **Computer managed testing**
- **Individual written assignments**
- **Active participation in group activity**

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## **LEARNING OUTCOME 2**

### **Components of Domestic Furniture.**

#### **VCF 110.2**

**Identify the materials and components used to manufacture Cabinets and Furniture.**

#### **Assessment Criteria**

- 110.2.1 Name the parts of a Cabinet built for Domestic use.**
- 110.2.2 Describe six (6) materials used in the manufacture of Cabinets.**
- 110.2.3 Select appropriate material for a given Cabinet.**
- 110.2.4 Identify the position of all components on a given piece of Furniture.**
- 110.2.5 Explain the function of all the components of a given piece of Furniture.**

**All work practices must ensure that safe practices are adopted.**

#### **Conditions**

Samples of manufactured board

Examples of Timber components

Verbal presentation to the group of learners

Workplace visits to various sectors of Industry

Manufacturers' catalogues/brochures

#### **Assessment Method**

**Assessment may involve any of the following:**

- Oral questioning
- Written testing
- Computer managed testing
- Individual and group written assignments

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## LEARNING OUTCOME 3

### Construction Methods

#### VCF 110.3

**Identify the jointing methods used to manufacture Cabinets and pieces of Furniture.**

#### Assessment Criteria

##### Cabinet

**110.3.1 Sketch and name three (3) joints used for the manufacture of Domestic Cabinets.**

**110.3.2 Select a suitable construction technique for a given Cabinet application.**

##### Furniture

**110.3.3 Sketch and name four (4) different joints used to manufacture a given piece of furniture.**

**110.3.4 Describe the application of each joint (4) in a given piece of Furniture.**

**All work practices must ensure that safe practices are adopted.**

#### Conditions

- Verbal presentation to the group of learners.
- Samples of different joints
- Working Drawings and Specifications

#### Assessment Method

**Assessment methods may involve any of the following methods:**

- Oral questioning
- Written tests
- Computer managed testing
- Active participation in group activity.

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## LEARNING OUTCOME 4

### Full Size Setout, Cutting and Costing List

#### VCF 110. 4

**Produce a working drawing/setout, cutting, and material and costing list from a full size set out.**

#### Assessment Criteria

- 110.4.1      Produce a full size setout showing the elevations and details required to take off critical measurements to within 1/16”.**
- 110.4.2      Take measurements from a full size setout and produce a cutting list.**
- 110.4.3      Compile a material list from a cutting list.**
- 110.4.4      Calculate the total cost of a project.**

**All work practices must ensure that safe practices are adopted.**

#### Conditions

**Working individually, under close supervision, given:**

- **Resources**
- **Drawing Equipment**

#### Assessment Methods

**Assessment may involve any of the following:**

- **Correct and accurate completion of each practical task performed to the standard/tolerance as specified in the assessment criteria.**
- **Completion of practical tasks**
- **Oral questioning**
- **Written assignment/test**
- **Computer managed testing**

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**LEARNING OUTCOME 5**

**Manufacture Practical Project**

**VCF 110.5**

**Manufacture a Cabinet and/or piece of Furniture to suit a Domestic Application.**

**Assessment Criteria**

**Cabinet**

- 110.5.1      Compile a cutting list from the drawing And specification given.**
- 110.5.2      Determine the required sheets and their size for the required components to ensure economical use of materials.**
- 110.5.3      Machine the components of the cutting list to acceptable furnishing industry standards.**
- 110.5.4      Assemble the components to an acceptable industry standard.**
- 110.5.5      Check the Cabinet for size and squareness.**

**Piece of Furniture**

- 110.5.6      Compile a cutting list from the drawing and specification provided.**
- 110.5.7      Determine the required amount of material needed to construct given piece of furniture.**
- 110.5.8      Machine the components of the cutting list to acceptable furnishing industry standards.**
- 110.5.9      Assemble the components to an acceptable industry standard.**
- 110.5.10     Apply industry acceptable finish to project.**

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**All work practices must ensure that safe practices are adopted.**

### **Conditions**

- **Workplace or simulated workplace conditions**
- **The learner will be provided with:**

**Resource material**

**Learning guide**

**Tools and equipment**

### **Assessment Method**

- **Correct and accurate completion of each practical task performed to the standard/tolerance as specified in the assessment criteria.**



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## SUGGESTED REFERENCE MATERIALS

- **Hardware and manufacturers manuals**
- **Wheels of learning Level Three Carpentry (NCCER)**
- **Carpentry and Building Construction, Fifth Edition. (Glencoe, McGraw-Hill)**
- **The Encyclopedia of Woodworking, Mark Ramuz, Editor, 2001. Chartwell Books Inc.**

## RESOURCES

- **Workshop Facilities**
- **Tools of Trade**
- **Demonstration Units**

## GRADES

**Final Grades for this course will be assessed based on COM-FSM policy and course requirements at the following percentage rates:**

<b>90% - 100%</b>	<b>A – Superior</b>
<b>80% - 89%</b>	<b>B – Above Average</b>
<b>70% - 79%</b>	<b>C – Average</b>
<b>60% - 69%</b>	<b>D – Below Average</b>
<b>0 - 59%</b>	<b>F - Failure</b>

## ATTENDANCE

**The COM-FSM attendance policy will apply.**