

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

Course Outline Cover Page

Plan Reading And Documentation

Course Title

VCF 106

Department and Number

Course Description:

This course is designed to teach the students to read and interpret from blueprint drawings the cabinet/furniture information required to construct as designed. Students will also learn the basic principles of sketching, scale drawing and producing full size setouts, using a range of drawing equipment.

Prepared by: Jeff Steel

State: Pohnpei Campus

	Hours per Week	No. Of Weeks	Total Hours	Semester Credits
Lecture	1.5/3	16/8	24	1.5
Total Semester Credits:				1.5

Purpose of Course

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

Prerequisite Course(s): VMS 100 Technical Math I, ESL 050 or SS 100 World of Works.

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 **PLAN READING AND DOCUMENTATION**

Nominal Duration **24 Hours/1.5 Credits**

Course Code **VCF 106**

General Objective **To develop the knowledge and skills required to read basic plans and interpret documentation. To develop drawing techniques used in the Cabinetmaking/Furniture Industry by means of conventional and/or CAD.**

Prerequisites

- **VMS 100 & ESL 050 or SS 100. Before or concurrently**

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

1. Plan & Document reading
2. Drawing as means of communication
3. Scale drawings
4. Freehand Sketches
5. Full Size Setout drawn to specifications

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.

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LEARNING OUTCOME 1

Plan and Document Reading

VCF 106.1

**Identify and interpret types of plans and symbols, extract
And communicate basic information needed for everyday
requirements from plans and specifications.**

Assessment Criteria

- 106.1.1 Describe drawing terms.**
- 106.1.2 Identify various symbols used in plans.**
- 106.1.3 Identify types of plans.**
- 106.1.4 Identify and explain plan title blocks.**
- 106.1.5 Identify and explain basic symbols and abbreviations.**
- 106.1.6 Extract basic information from a given specification.**

All work practices must ensure that safe practices are adopted.

Conditions

Working individually and in groups given:

- Resources**
- Verbal presentation to the group of learners.**

Assessment Method

Assessment may involve any of the following methods

- Oral questioning**
- Written tests**
- Computer managed testing**
- Sketched working drawings to clarify construction details prior to commencement of work.**

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LEARNING OUTCOME 2 Drawing as a means of communication.

VCF 106.2

Use drawings as a means of communication in the cabinetmaking/furniture Industry.

Assessment Criteria

106.2.1 Identify the reasons for various types of drawings as a means of communication in the cabinetmaking/furnishing Industry.

106.2.2 Identify drawing equipment.

106.2.3 Produce drawings to demonstrate the standard furnishing drawing presentation requirements and use of drawing equipment.

All work practices must ensure that safe practices are adopted.

Conditions

- **Working individually, under supervision**
- **Drawing desk, equipment and resources supplied.**

Assessment Method

Assessment may involve any of the following:

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

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LEARNING OUTCOME 3

Scale Drawings

VCF 106.3

Reproduce shapes to nominated scales.

Assessment Criteria

- 106.3.1** List the reasons for scaling as part of drawing.
- 106.3.2** Demonstrate the use of a scale rule reading.
- 106.3.3** Produce scaled working drawings (3/32:1, 1/8:1) and construction details (1:1, 1/2: 1) using nominated drawing equipment, methods and techniques.

All work practices must ensure that safe practices are adopted.

Conditions

- Verbal presentation to the group of learners.
- Working individually, under supervision
- Drawing desk, equipment and resources supplied.

Assessment Method

Assessment methods may involve any of the following methods:

- Oral questioning
- Written tests
- Computer managed testing
- Drawing/s.

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LEARNING OUTCOME 4

Freehand Sketches

VCF 106. 4

Produce freehand sketches of simple furnishings components.

Assessment Criteria

106.4.1 State the importance of freehand sketches.

106.4.2 Produce freehand sketches of joints and simple projects.

106.4.3 Sketch, dimension and prepare detailed drawings of simple furnishings projects.

All work practices must ensure that safe practices are adopted.

Conditions

Working individually, under close supervision, given:

- **Resources**
- **Tools, materials and equipment**

Assessment Methods

Assessment may involve short answers elicited by any of the following methods:

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

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LEARNING OUTCOME 5 Full Size Setout Drawn to Specifications

VCF 106.5

Draw a full size setout of a project to a given specification.

Assessment Criteria	106.5.1	State the importance of a full size setout drawing.
	106.5.2	Set out a project to given specifications. Within $\pm 1/16$".

All work practices must ensure that safe practices are adopted.

Conditions

- **Working individually, under supervision**
- **The learner will be provided with:**

Resource material

Tools and equipment

Assessment Method

Assessment may involve short answers elicited by any of the following methods:

- **Oral questioning**
- **Written tests**
- **Computer based testing**
- **Drawings**

CERTIFICATE OF ACHIEVEMENT IN CABINETMAKING/FURNITURE MAKING

SUGGESTED REFERENCE MATERIALS

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

RESOURCES

- Drawing class room with sufficient work stations
- Drawing instruments and pencils (2H)
- Range of construction plans and specifications relevant to the module learning outcomes
- Overhead projector
- TV/VCR

GRADES

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

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

ATTENDANCE

The COM-FSM attendance policy will apply.