

College of Micronesia – FSM  
P.O.Box 159  
Kolonia, Pohnpei FM 96941

Course Outline Cover Page

**Cabinet Making and Millwork**

**Course Code: VCT 193**

**Course Description:** This course is designed to provide carpentry students with the knowledge and skills necessary to fabricate and install either custom or factory built cabinets and millwork.

**Course Prepared by:** Alan Hopkins

**State:** Pohnpei

|                         | Hours per Week | No. of Week     | Total Hours     | Semester Credits |
|-------------------------|----------------|-----------------|-----------------|------------------|
| <b>Lecture/Workshop</b> | <u>  4  </u>   | x <u>  16  </u> | = <u>  64  </u> | = <u>  4  </u>   |

**Purpose of Course:**  
Degree Requirement  
Degree Elective  
Certificate.....xx  
Remedial  
Other (Workshop)

**Prerequisite Course(s):** VCT 153 Introduction to Carpentry

**SPENSIN JAMES**  
Signature, Chairperson, Curriculum Committee

**8/14/01**  
Date Approved by Committee

**Micheal Tatum**  
Signature, President, COM-FSM

**9/6/02**  
Date Approved by President

## **I. Course Objectives**

**A. General.** The general objective of this course is to continue the carpentry student's education into the basics of cabinet making and millwork as used in residential and commercial structures.

**B. Specific Objectives:** Upon successful completion of this course the student will:

1. Be able to distinguish basic kitchen and service area layout
2. Be able to construct custom cabinets according to plans or blueprints
3. Be able to estimate materials and supplies required for a given project
4. Be able to make and install simple trim and moldings
5. Be able to install factory-produced moldings
6. Be able to construct a door and or window frame
7. Demonstrate the ability to paint and interior finishes

## **II. Course Content**

1. Introduction
  - a. Course overview
  - b. Terms and graphics of cabinetwork
2. Cabinets and Build-ins
  - a. Kitchen and service area layouts
  - b. Custom cabinet construction
  - c. Raised panel door construction
  - d. Installation of factory built cabinets
  - e. Countertop construction laminates
  - f. Materials and supplies estimation, cost estimation
  - g. Practical exercise
3. Interior Trim
  - a. Making and installing moldings and trim
  - b. Installation of factory made moldings
  - c. Door and window frame construction, lock set installation
  - d. Estimating materials and supplies from a plan or blueprint
  - e. Practical exercise
4. Interior Painting and Finishing
  - a. Preparation of the surface for painting
  - b. Paint tools – brushes and rollers, care and cleaning
  - c. Distinguish and use paint, varnish and caulking

- d. Estimating materials and supplies
- e. Practical exercise

### **Cabinet Making and Millwork**

- 5. Exterior Painting
  - a. Surface preparation
  - b. Identify and use paint properly
  - c. Estimate paints and supplies needed from plans and blueprints
  - d. Practical exercises

### **III. Required Course Materials:**

- 1. Instructor:
  - a. Wood shop with selected hand and power tools
  - b. Texts, Instructor's Resource Guide, Workbook
  - c. Overhead Projector
  - d. Transparencies
  - e. TV/VCR, video tapes as available
  - f. Material duplication equipment (Xerox or equivalent)
  - g. Tools lumber and woodworking supplies (adhesives, sandpaper, fasteners, preservatives), paint and varnish. See appended list
- 2. Student:
  - a. Workbook, Instructor provided packets
  - b. Student tool set
  - c. Three ring binder (to contain handout material)
  - d. College ruled spiral notebook
  - e. Architectural scale
  - f. Pencils (HB, 2H)
  - g. Erasers
  - h. Triangles, 45/45/90 and 30/60/90
  - i. 8 ½ x 11, ¼ inch ruled grid paper

### **IV. Reference Material:**

Cabinetmaking and Millwork  
John L. Feirer, 1997

Student Workbook, Cabinetmaking and Millwork  
Feirer, 1997

### **V. Instructional Costs:**

Student tool set,       \$350.00

|                     |       |
|---------------------|-------|
| Classroom supplies, | 30.00 |
| Text                | 42.47 |
| Instructor's guide  | 15.16 |
| Student Workbook    | 8.31  |

Cabinet Making and Millwork (cont'd)

**VI. Methods of instruction:**

1. Demonstration by instructor
2. Lecture
3. Group work
4. Team work on projects
5. Discussion
6. Video presentation
7. Practical exercise

**VII. Evaluation:**

Final Grade for this course will be assessed based on meeting the course requirements at the following percentage rated:

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

Competency in practical exercise is determined to be completed required projects(s), within the 16-week course limit, within +/- ¼ inch accuracy in all major dimensions.

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