

COURSE OUTLINE

INTERIOR TRIM & CABINET MAKING

Course title

CT124

Dept. & Course No.

I. COURSE DESCRIPTION:

This course covers principles and methods of interior carpentry construction. It includes installation of interior trim, doors, stairs building, wood working techniques, and cabinetry. It also includes, but not limited to, terms and definitions used in construction field pertaining to interior finishings. Theories and practical applications of various types of all coverings, wall finishings, ceiling coverings, ceiling finishings, interior door hangings and various applications of interior trim.

II. SEMESTER CREDITS: 3

III. CONTACT HOURS PER WEEK: 1 6 7 Lecture Lab Total

IV. PREREQUISITES: CT 112 & CT113

V. STUDENT LEARNING OUTCOME:

Upon completion of this course, students will be able, with 65% accuracy to:

1. Identify, select, and compare different types of interior wall covering.

2. Install different types of interior wall coverings.

VI. COURSE CONTENT

A. Types of wall cover

1. Masonite
2. Plywood
3. Gypsum
4. Common board
5. Local wood

B. Installation

1. Set-up
2. Detail drawing
3. Methods/techniques
4. Finishing

C. Interior Trimming

1. Types of trim
2. Trim designs

3. Identify, select, and compare different types/design of interior trim.

3. Interior design
4. Hardware

4. Install different types of interior trim.

D. Types Interior Trim

1. Base board
2. Ceiling molding
3. Window casing
4. Door casing
5. Corner molding

5. Identify, select, and compare different types/designs of interior doors.

E. Interior doors

1. Different types
2. Designs
3. Fabrication
4. Local products
5. Import Products

6. Install different types of interior doors.

F. Types Interior Doors

1. Imports products
2. Local products
3. Self-fabricated

7. Identify, select, compare different types of ceiling .

G. Types of Ceilings

1. Ceiling tile
2. Plywood ceiling
3. Ceiling panels

8. Install different types of ceiling.

H. Ceiling installation

1. Suspended ceiling
2. layout method
3. Erecting
4. Finishing

- | | |
|---|----------------------------|
| 9. Identify and compare different types of stairs. | I. Types of Stairs |
| | 1. Types |
| | 2. Designs |
| | 3. Purposes |
| | 4. Parts |
| 10. Construct different types of stairs commonly applied to residential construction. | J. Construction |
| | 1. Design |
| | 2. Estimate |
| | 3. Layout/cutting |
| | 4. Assembly |
| | 5. Finishing |
| 11. Design and construct different types of Furniture Projects. | K. Projects |
| | 1. Tables/Desk |
| | 2. Chairs/Benches |
| | 3. Cabinets |
| | 4. Dressers |
| | 5. Closets |
| | 6. Entertainment centers |
| | 7. Shelves |
| 12. Apply wood working techniques. | L. Wood Working Techniques |
| | 1. Handling |
| | 2. Shaping |
| | 3. Surfacing |
| | 4. Finishing |
| 13. Estimate Materials and labor cost. | L. Methods of Estimation |
| | 1. Detail estimation |
| | 2. Average estimation |

VII. MATERIALS AND EQUIPMENT:

1. Hand tools
2. Overhead projector
3. Transparencies
4. Shop equipments
5. Power tools
6. Hand outs
7. TV & VCR

TASK LISTING SHEET

CT124 INTERIOR TRIM & CABINET MAKING

CREDITS:

1

2

96

Course No. & Title

Lecture Lab Total Lab Hrs

TASK

TIME

SLO #1

6 hrs.

1. After touring at least two construction sites and hardware stores in Palau, list, compare, and discuss all available materials that are commonly used recently in interior finishing.
2. Make appropriate selection for the assigned project.

SLO #2

14 hrs.

1. On the assigned project, install interior wall coverings and apply appropriate finishing.

SLO #3

7 hrs.

1. Design interior trimming for assigned project, select appropriate materials for shaping, and prepare for cutting and shaping.

SLO #4

7 hrs.

1. Install different types of Interior trims on the project and apply appropriate finishing.

SLO #5

3 hrs

1. Collect data on all available interior doors both foreign and domestic. Prepare a list of interior doors based on quality and prices.

SLO #6

7 hrs.

1. Install interior doors of assigned project and apply Appropriate finishing.

SLO #7

5 hrs.

1. Make a list of different types of ceiling covering available on the market on/off island and compare its quality, prices, installation, and finishing to be applied. Collect data and report to class.

SLO #8

1. Install ceiling of the assigned project and apply proper finishing.

14 hrs.

SLO #9

5 hrs.

1. Visit several construction sites w/ on going stairs construction, compare and contrast the designs, techniques, and construction process and report to class.

SLO #10

14 hrs

1. Design and construct stairs most appropriate to the assigned project and apply finishing.
2. Install balusters, railings, newels, and banisters.

SLO #11 & 12

14 hrs.

1. Design assigned project and submit for approval.
2. Fill the appropriate section of work order form and request materials needed to complete the project
3. Complete the project on time.

TOTAL LAB HOURS:

96 hrs

**Course Level Achievement
Form A**
(Used for shop courses as well as other program courses)
CT124 INTERIOR TRIM & CABINET MAKING

Student's Name (print): _____
Instructor's Name (Print): _____

Semester/Year: _____

Directions: Evaluate the student using the rating scale below and encircle the appropriate number to indicate the degree of competency. The numerical ratings of 5, 4, 3, 2, and 1 are not intended to represent the traditional school grading system of A, B, C, D, and F. The descriptions opposite the numbers will determine the level of student performance for each of the competencies listed below.

- Rating Scale:**
- 5 Excellent
 - 4 Above average
 - 3 Average
 - 2 Below average
 - 1 Unacceptable

COMPETENCY	RATING
1. Interpret interior finishing details and cabinetry working drawings.	5 4 3 2 1
2. Select and install interior trims and moldings.	5 4 3 2 1
3. Select and install interior doors.	5 4 3 2 1
4. Layout and construct interior stairs.	5 4 3 2 1
5. Layout and construct various cabinetry products.	5 4 3 2 1
6. Apply interior finishing.	

I certify that the student has completed all the competencies in this program and has achieved ratings as shown under each respective competency.

Instructor's signature

Date

COMPETENCY # 1 Interpret interior finishing details and cabinetry working drawings.

5. Interpret, dimensions, material sizes and type, specifications, notes, and installation and finishing requirement provided in the interior finishing details and cabinetry working drawings with 90 –100% accuracy.
4. Interpret, dimensions, material sizes and type, specifications, notes, and installation and finishing requirement provided in the interior finishing details and cabinetry working drawings with 80 –89% accuracy.
3. Interpret, dimensions, material sizes and type, specifications, notes, and installation and finishing requirement provided in the interior finishing details and cabinetry working drawings with 70 –79% accuracy.
2. Interpret, dimensions, material sizes and type, specifications, notes, and installation and finishing requirement provided in the interior finishing details and cabinetry working drawings with 65 –69% accuracy.
1. Interpret, dimensions, material sizes and type, specifications, notes, and installation and finishing requirement provided in the interior finishing details and cabinetry working drawings with below 65% accuracy.

COMPETENCY # 2 Select and install interior trims and moldings according to plan.

5. Demonstrate required skills including trims and moldings selection, layout and cutting methods, installation preparation and set-up, and installation methods to properly select and install interior trims and moldings according to plan with 90 – 100% accuracy.
4. Demonstrate required skills including trims and moldings selection, layout and cutting methods, installation preparation and set-up, and installation methods to properly select and install interior trims and moldings according to plan with 80 – 89% accuracy.
3. Demonstrate required skills including trims and moldings selection, layout and cutting methods, installation preparation and set-up, and installation methods to properly select and install interior trims and moldings according to plan with 70 – 79% accuracy.
2. Demonstrate required skills including trims and moldings selection, layout and cutting methods, installation preparation and set-up, and installation methods to properly select and install interior trims and moldings according to plan with 65 – 69% accuracy.
1. Demonstrate required skills including trims and moldings selection, layout and cutting methods, installation preparation and set-up, and installation methods to properly select and install interior trims and moldings according to plan with below 65% accuracy.

COMPETENCY # 3 Select and install interior doors according to plan.

5. Demonstrate required skills including interior doors selection, hardware installation, installation preparation and set-up, installation methods to properly select and install interior doors according to plan with 90-100% accuracy.
4. Demonstrate required skills including interior doors selection, hardware installation, installation preparation and set-up, installation methods to properly select and install interior doors according to plan with 80-89% accuracy.

3. Demonstrate required skills including interior doors selection, hardware installation, installation preparation and set-up, installation methods to properly select and install interior doors according to plan with 70-79% accuracy.
2. Demonstrate required skills including interior doors selection, hardware installation, installation preparation and set-up, installation methods to properly select and install interior doors according to plan with 65-69% accuracy.
1. Demonstrate required skills including interior doors selection, hardware installation, installation preparation and set-up, installation methods to properly select and install interior doors according to plan with below 65% accuracy.

COMPETENCY # 4 Layout and construct interior stairs according to plan.

5. Demonstrate required skills including materials selection, layout and cutting methods, installation preparation and set-up, installation methods to properly layout and construct interior stairs according to plan with 90 – 100% accuracy.
4. Demonstrate required skills including materials selection, layout and cutting methods, installation preparation and set-up, installation methods to properly layout and construct interior stairs according to plan with 80 – 89% accuracy.
3. Demonstrate required skills including materials selection, layout and cutting methods, installation preparation and set-up, installation methods to properly layout and construct interior stairs according to plan with 70 – 79% accuracy.
2. Demonstrate required skills including materials selection, layout and cutting methods, installation preparation and set-up, installation methods to properly layout and construct interior stairs according to plan with 65 – 69% accuracy.
1. Demonstrate required skills including materials selection, layout and cutting methods, installation preparation and set-up, installation methods to properly layout and construct interior stairs according to plan with below 65% accuracy.

COMPETENCY # 5 Layout and construct various cabinetry products according to plan.

5. Demonstrate required skills including materials selection, sketching, estimating, layout and cutting methods, leveling/plumbing, shaping and smoothing, installation preparation and set-up, installation methods to properly layout and construct various cabinetry products according to plan with 90 – 100% accuracy.
4. Demonstrate required skills including materials selection, sketching, estimating, layout and cutting methods, leveling/plumbing, shaping and smoothing, installation preparation and set-up, installation methods to properly layout and construct various cabinetry products according to plan with 80 – 89% accuracy.
3. Demonstrate required skills including materials selection, sketching, estimating, layout and cutting methods, leveling/plumbing, shaping and smoothing, installation preparation and set-up, installation methods to properly layout and construct various cabinetry products according to plan with 70 – 79% accuracy.
2. Demonstrate required skills including materials selection, sketching, estimating, layout and cutting methods, leveling/plumbing, shaping and smoothing, installation preparation and set-up, installation methods to properly layout and construct various cabinetry products according to plan with 65 – 69% accuracy.
1. Demonstrate required skills including materials selection, sketching, estimating, layout and cutting methods, leveling/plumbing, shaping and smoothing, installation preparation and set-up, installation methods to properly layout and construct various cabinetry products according to plan with below 65% accuracy.

COMPETENCY # 6 Apply interior finishing according to plan.

5. Demonstrate required skills including interior finishing materials and supplies selection, installation preparation and set-up, installation and finishing methods to properly apply interior finishing according to plan with 90 – 100% accuracy.
4. Demonstrate required skills including interior finishing materials and supplies selection, installation preparation and set-up, installation and finishing methods to properly apply interior finishing according to plan with 80 – 89% accuracy.
3. Demonstrate required skills including interior finishing materials and supplies selection, installation preparation and set-up, installation and finishing methods to properly apply interior finishing according to plan with 70 – 79% accuracy.
2. Demonstrate required skills including interior finishing materials and supplies selection, installation preparation and set-up, installation and finishing methods to properly apply interior finishing according to plan with 65 – 69% accuracy.
1. Demonstrate required skills including interior finishing materials and supplies selection, installation preparation and set-up, installation and finishing methods to properly apply interior finishing according to plan with below 65% accuracy.