

| Week | Outcomes | Format | Hours | Topic/Content | Readings | Assignments | Assessment | Resources |
|------|----------|---------|-------|--|-----------|---------------|-------------|------------------------------|
| 1,2 | 1,2 | Lecture | 2 | Interior wall and ceiling finishing | Chap. 16, | Workbook | p. 569 quiz | Handouts, |
| | | | | <u>Describe</u> | pp. 531- | chap. 16, pp. | ques. #1-20 | calculators, green |
| | | | | Wallboard cutting, nailing and adhesive | 567 | 99-105 | | tag safety boots, |
| | | | | techniques | | | | safety glasses. Text |
| | | | | Characteristics of gypsum plaster, plastering | | | | book Modern |
| | | | | methods | | | | Carpentry, along |
| | | | | Methods for levelling and installing suspended | | | | with accompanying |
| | | | | ceilings | | | | work book. |
| | | Lab | 6 | Apply | | | Practical | Construction |
| | | | | Wall and ceiling covering materials | | | activities | materials as |
| | | | | Procedure for installing wood panelling | | | | arranged by |
| | | | | Apply plastering methods | | | | <i>instructor</i> : drywall, |
| | | | | Gypsum and metal lathe | | | | mud, cement board |
| | | | | Layout ceiling tile and furring strips | | | | |
| 3,4 | 1,2 | Lecture | 2 | Finish flooring | Chap. 17, | Workbook | p. 595 quiz | As above and various |
| | | | | <u>Describe</u> | pp. 571- | chap. 17, | ques. #1-15 | flooring samples, |
| | | | | Strip, plank and unit block wood flooring | 594 | pp. 107-111 | | underlays and |
| | | | | Procedure for hardboard, particle and wafer | | | | adhesives |
| | | | | board, plywood underlayment | | | | |
| | | Lab | 6 | Apply | | | Practical | |
| | | | | Layout and install strip flooring | | | activities | |

| 5 | 1,3 | Lecture | 1 | Doors and interior trim | Chap. 19, | Workbook | p. 645 quiz, | As above and |
|-----|-----|---------|---|--|-----------|---------------|--------------|----------------------|
| | | | | Explain | pp. 619- | chap. 19, pp. | ques. # 1-20 | mouldings, door |
| | | | | The difference between panel and flush-type | 644 | 119-125 | | frames, casings, |
| | | | | doors | | | | hinges and door |
| | | | | Steps for hanging the door | | | | knobs |
| | | | | <u>Identify</u> | | | | |
| | | | | How door frames and casings are installed | | | | |
| | | | | Name lock parts and describe typical | | | | |
| | | | | installation procedures | | | | |
| | | | | Pocket and bypass types of sliding doors | | | | |
| | | | | The order in which window members should be | | | | |
| | | | | applied | | | | |
| | | Lab | 3 | Apply | | | Practical | |
| | | | | Cut, fit and nail baseboard trim, window trim | | | activities | |
| | | | | and interior door jambs | | | | |
| 6,7 | 1,4 | Lecture | 2 | Cabinetry | Chap. 20, | Workbook | p. 674 quiz, | As above and various |
| | | | | Describe | рр. 647- | chap. 20, pp. | ques. # 1-15 | types of wood, |
| | | | | Types of cabinetry | 674 | 127-133 | | laminated plywood |
| | | | | Selecting prefab cabinetry | | | | |
| | | | | Common alternative procedures for building | | | | |
| | | | | cabinets on the job | | | | |
| | | | | Three types of drawer guides | | | | |
| | | | | Material choices for cabinet shelves and doors | | | | |
| | | | | How to install a plastic laminate surface | | | | |
| | | Lab | 6 | Apply | | | Practical | |
| | | | | Install prefabricated base and wall cabinets | | | activities | |
| | | | | Layout and frame a cabinet from drawings | | | | |
| | | | | Install plastic laminate to a surface | | | | |
| | | | | Build and install a cabinet drawer, face frame | | | | |
| | | | | and sliding doors | | | | |

| 8 | 1,2 | Lecture | 1 | Painting, finishing and decoratingIdentifySafety rules applying to painting and finishingProper tools for painting and finish decoratingPerformProper procedures for painting, finishing andwallpaper hangingPrepare surfaces for paintingApplyTrade related math to estimate paint coverageProper cleaning and storing of equipmentPrimer coat and finish coat | Chap. 21, pp. 677- 702 | Workbook chap. 21, pp. 135-137 | p. 702 Test ques. # 1-20 Practical activities | As above and patching material, sanding tools, paint, brushes and caulking |
|---|-----|---------|---|--|------------------------------|--------------------------------------|---|--|
| 9 | 1,4 | Lecture | 1 | Chimneys and fireplacesExplainHow masonry chimneys are constructed arounda flue liningProcedures for construction of a chimney,hearth, walls and throatCommon types of factory built fireplacesIdentifyParts of a typical masonry fireplaceConsiderations for installing factory-builtfireplace unitsApplyCalculate the flue area of a given fireplaceInstall a prefabricated flue | Chap. 22, pp. 705- 719 | Workbook chap. 22, pp. 139-143 | p. 720 quiz, ques. # 1-10 Practical activities | As above and masonry tools, mortar, flue pipe. Certified fireplace and wood stove inspector |

| 10 | 1,6 | Lecture | 1 | Post-and- beam construction | Chap. 23, | Workbook | p. 738 Test, | As above and |
|----|-----|---------|---|--|-----------|-------------|--------------|----------------------|
| | | | | Describe | pp. 721- | chap. 23, | ques. # 1-10 | engineered and |
| | | | | Advantages and disadvantages of post-and- | 738 | pp. 145-149 | | laminated materials |
| | | | | beam construction | | | | |
| | | | | Specifications for supporting posts | | | | |
| | | | | How roof and floor planks should be selected | | | | |
| | | | | and installed | | | | |
| | | | | <u>Explain</u> | | | | |
| | | | | Traverse and longitudinal beams | | | | |
| | | Lab | 3 | <u>Perform</u> | | | Practical | |
| | | | | Sketch basic construction details of stressed | | | activities | |
| | | | | skin panels and box beams | | | | |
| | | | | <u>Identify</u> | | | | |
| | | | | Nailing and bolting patterns | | | | |
| 11 | 1,7 | Lecture | 1 | Systems-built housing | Chap. 24, | Workbook | p. 756 Test, | As above and various |
| | | | | Describe | pp. 741- | chap. 24, | ques. # 1-10 | types of systems, |
| | | | | Technology of systems-built housing | 755 | pp. 151-153 | | hangers, bolts and |
| | | | | Identify | | | | nailing |
| | | | | Variety of factory built components that are | | | | |
| | | | | utilized in a systems-built home | | | | |
| | | | | Differentiate between the basic types and | | | | |
| | | | | systems-built structures | | | | |
| | | | | Terms used in the systems-built housing | | | | |
| | | | | industry | | | | |
| | | | | Method of moving systems-built housing | | | | |
| | | Lab | 3 | Apply | | | Practical | |
| | | | | | | | | |
| | | | | Systems-built plans Explain erection sequence of a panelized home | | | activities | |

| 12 | 1,8 | Lecture | 1 | Passive solar construction | Chap. 25 | Workbook | p. 775 Test, | As above and a |
|----|-----|---------|---|--|-------------|-------------|--------------|----------------------|
| | | | | Describe | pp. 757- | chap. 25, | ques. # 1-10 | selection of passive |
| | | | | The difference between passive and active solar | 774 and | pp. 155-158 | | solar drawings |
| | | | | construction | chap.26 pp. | | | Ũ |
| | | | | A solar retrofit on an older home | 797-798 | | | |
| | | | | Define | | | | |
| | | | | Conduction, convection, radiation and thermal | | | | |
| | | | | siphoning | | | | |
| | | Lab | 3 | Apply | | | Practical | |
| | | | | Calculate the amount of glazing and storage | | | activities | |
| | | | | needed for a passive solar system | | | | |
| | | | | Locate a dwelling for maximum solar gain | | | | |
| | | | | Design and install various passive solar systems | | | | |
| 13 | 1,9 | Lecture | 1 | Remodelling, renovating and repairing | Chap. 26 | Workbook | p. 801 Test, | As above and various |
| | | | | <u>Identify</u> | рр. 777- | chap. 26, | ques. # 1-15 | demolition tools |
| | | | | Different types of residential construction by | 801 | pp. 159-162 | | both hand and light |
| | | | | visual inspection | | | | power tools |
| | | | | Bearing walls | | | | |
| | | | | Accepted methods in replacing all types of | | | | |
| | | | | doors | | | | |
| | | | | Describe | | | | |
| | | | | Proper sequence of renovations or repair | | | | |
| | | | | Repair and replace deteriorated components | | | | |
| | | | | and systems | | | | |
| | | | | How to remove parts of a structure without | | | | |
| | | | | damaging the total structure | | | | |
| | | | | Determine loads and calculate the correct | | | | |
| | | | | header size for a span | | | | |
| | | Lab | 3 | Apply | | | Practical | |
| | | | | Install and support headers, concealed headers | | | activities | |
| | | | | and saddle beams | | | | |
| | | | | Make repairs to wood and asphalt shingles | | | | |

| 14 | 1,10 | Lecture | 1 | Building decks and porches | Chap. 27 | Workbook | p. 819 Test, | As above and various |
|----|----------|---------|---|--|----------|-------------|--------------|----------------------|
| | | | | <u>Identify</u> | рр. 803- | chap. 27, | ques. # 1-10 | decking materials |
| | | | | Different types of decks and porches | 819 | pp. 163-164 | | and fasteners used |
| | | | | Advantages and disadvantages of different | | | | for decks and |
| | | | | structural and decking materials | | | | porches including |
| | | | | Differences between deck and porch | | | | composites |
| | | | | construction | | | | |
| | | Lab | 3 | Apply | | | | |
| | | | | Select and install the appropriate types of | | | | |
| | | | | fasteners for deck construction | | | Practical | |
| | | | | Prepare a site, layout and construct a deck | | | activities | |
| 15 | 1,2,3,4, | Lecture | 4 | Building project completion | | | Practical | |
| | 5,6,7,8, | / lab | | Complete term project work and all practical | | | activities | |
| | 9,10 | | | activities | | | Final test | |
| 16 | 1,2,3,4, | Lecture | 4 | Review; take up and discuss final test / | | | | |
| | 5,6,7,8, | | | assignments / practical activities / sharing and | | | | |
| | 9,10 | | | feedback | | | | |