

MODULE CON3150: FURNITURE REPAIR

Level: Advanced

Theme: Manufacturing Systems (Processes and Applications)

Prerequisite: CON1120 Project Management

Module Description: Students apply basic knowledge of furniture construction and materials to repair or replace existing components or coverings.

Module Parameters: Access to a materials and/or construction facility and to instruction from an individual with formal, specialized training in carpentry/cabinetry.

Supporting Modules: CON2150 Finishing & Refinishing
FAS2150 Upholstery [Fashion Studies Strand]

Curriculum and Assessment Standards

Module Learner Expectations	Assessment Criteria and Conditions	Suggested Emphasis
<p><i>The student will:</i></p> <ul style="list-style-type: none"> • assess the condition of a piece of furniture to determine whether it can be economically repaired or restored • prepare a repair/restoration plan and cost estimate • repair/restore a piece of furniture 	<p><i>Assessment of student achievement should be based on:</i></p> <ul style="list-style-type: none"> • the analysis of an existing piece of furniture to determine the feasibility of repairing or restoring the product • the development of a repair/restoration plan and estimate for a given piece of furniture or millwork • the application of repair and restoration skills. <p><i>Assessment Tool</i> <i>Project Assessment: Repairing/Restoring Furniture, CON3150-1</i></p> <p><i>Standard</i> <i>The integrity and usefulness of the product have been maintained while meeting the clients needs and expectations</i> <i>Performance rating of 3 for each applicable task</i></p>	<p>20</p> <p>15</p> <p>65</p>

MODULE CON3150: FURNITURE REPAIR (continued)

Module Learner Expectations	Assessment Criteria and Conditions	Suggested Emphasis
<p><i>The student will:</i></p> <ul style="list-style-type: none"> demonstrate basic competencies. 	<p><i>Assessment of student achievement should be based on:</i></p> <ul style="list-style-type: none"> observations of individual effort and interpersonal interaction during the learning process. <p><i>Assessment Tool</i> <i>Basic Competencies Reference Guide and any assessment tools noted above</i></p>	<p>Integrated throughout</p>

Concept	Specific Learner Expectations	Notes
<p>Orientation</p> <ul style="list-style-type: none"> Furniture Appraisal Repair and Restoration Techniques Health and Safety 	<p><i>The student should:</i></p> <ul style="list-style-type: none"> identify the factors that determine whether a piece of furniture is worth repairing or restoring describe safe and efficient methods to: <ul style="list-style-type: none"> loosen old glue and clean joints remove and replace dowel pins tighten loose joints patch or repair a veneer surface splice a component repair and/or replace a plastic molding identify practical methods to determine the nature of the original structural materials and finishes identify the design features that might have caused a component to fail describe the hazards associated with stripping old paint, varnish and lacquer finishes. 	<p>Encourage students to establish the restored and unrestored value of a piece of furniture before work begins.</p> <p>Discuss the use of common adhesives such as:</p> <ul style="list-style-type: none"> animal casein white liquid resin yellow resin glue epoxy cement contact cement heat activated glue. <p>Associating failures with a specific design will help students design features better products in the future.</p>

MODULE CON3150: FURNITURE REPAIR (continued)

Concept	Specific Learner Expectations	Notes
<p>Planning and Management</p> <ul style="list-style-type: none"> • Feasibility Study • Estimating 	<p><i>The student should:</i></p> <ul style="list-style-type: none"> • describe the overall condition and feasibility of restoring a given piece of furniture • estimate the time, supply and material cost to: <ul style="list-style-type: none"> – disassemble – strip down – repair – reassemble – refinish. 	
<p>Implementation</p>	<ul style="list-style-type: none"> • use the appropriate tools, materials and processes to repair and restore a piece of furniture. 	
<p>Assessment</p> <ul style="list-style-type: none"> • Career Information • Career Preparation 	<ul style="list-style-type: none"> • research employment and business opportunities pertaining to furniture repair and restoration • maintain a record of completed activities within a portfolio. 	

