

MODULE CON3090: RENOVATIONS/RESTORATIONS

Level: Advanced

Theme: Building Systems (Processes and Applications)

Prerequisite: CON1070 Building Construction

Module Description: Students work with a client to plan and complete a building renovation and/or restoration.

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

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"> complete a feasibility study and cost estimate of a renovation/restoration project apply construction skills to assist in a building renovation/restoration project, using traditional and modern construction materials and techniques 	<p><i>Assessment of student achievement should be based on:</i></p> <ul style="list-style-type: none"> analysis of an existing building to determine the feasibility and cost of undertaking a given renovation and/or restoration project. <p><i>Assessment Tool</i> <i>Presentations/Reports: Building Renovation/Restoration Project, CON3090-1</i></p> <p><i>Standard</i> <i>The study will include an accurate description of the project and structural details, materials list, and time and cost estimate</i> <i>Performance rating of 3 for each applicable task</i></p>	30
	<ul style="list-style-type: none"> demonstration of appropriate planning, management, construction and teamwork skills to complete a building renovation/restoration project. <p><i>Assessment Tool</i> <i>Assessment Framework: Activity Assessment, CONACT</i></p> <p><i>Standard</i> <i>The renovation/restoration conforms to all local building codes and trade practices as well as meeting the client's expectations</i> <i>Performance rating of 3 for each applicable task</i></p>	70

MODULE CON3090: RENOVATIONS/RESTORATIONS (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"> Renovation Practices Health and Safety 	<p><i>The student should:</i></p> <ul style="list-style-type: none"> identify the types of renovations that are most commonly carried out such as: <ul style="list-style-type: none"> changing or adding windows creating a new entrance or opening a room building on an addition replacing exterior finish identify what types of renovations require local permits or work that requires special skills and certification predict, by considering the age of the original building, the types of materials and construction techniques used in the original construction identify sources of information regarding construction methods and materials used in historical buildings list the materials that for health reasons require special care when renovating identify local regulations regarding the disposal of hazardous materials. 	<p>Besides new construction, students should be aware of the many opportunities for work related to building renovation and restoration.</p> <p>Pay special attention to asbestos and lead paint that may have been used in older buildings.</p>

MODULE CON3090: RENOVATIONS/RESTORATIONS (continued)

Concept	Specific Learner Expectations	Notes
<p>Planning and Management</p> <ul style="list-style-type: none"> • Renovation Proposal 	<p><i>The student should:</i></p> <ul style="list-style-type: none"> • prepare a feasibility study by determining: <ul style="list-style-type: none"> – usefulness of the renovation – cost of materials and labour – disruption to the use of other living space – structural as well as aesthetic considerations – impact on support systems such as heating, lighting and plumbing • prepare a working drawing of a typical renovation • prepare a work schedule for a typical renovation/restoration project. 	<p>Students should be aware that local planning authorities often will have a say in what can or cannot be done to a building particularly if it is considered to be a “Heritage Building.”</p>
<p>Implementation</p> <ul style="list-style-type: none"> • Construction Process 	<ul style="list-style-type: none"> • apply planning, management and construction skills to complete a renovation and/or restoration project. 	
<p>Assessment</p> <ul style="list-style-type: none"> • Career Information • Career Preparation 	<ul style="list-style-type: none"> • identify the employment opportunities and the establishment of an entrepreneurial venture associated with renovation work • maintain a record of completed activities within a portfolio. 	

