

MODULE LOG2010: WAREHOUSE & DISTRIBUTE 2

Level: Intermediate

Theme: Warehousing and Distribution

Prerequisite: LOG1020 Warehouse & Distribute 1

Module Description: Students examine types of warehousing and develop basic skills in packaging, packing, documentation and materials handling. Students also explore bonding principles and practices and career opportunities within the warehousing and distribution sector.

Module Parameters: Access to one or more logistics operations.

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"> demonstrate an understanding of: <ul style="list-style-type: none"> warehousing types, purposes, functions and operations of warehouses, locations, organization, processes and stock locator techniques identify and explain bonding principles and practices demonstrate basic skills in shipment preparation including: <ul style="list-style-type: none"> packaging packing document selection and completion demonstrate safety, competency and confidence in: <ul style="list-style-type: none"> handling materials operating equipment and aids 	<p><i>Assessment of student achievement should be based on:</i></p> <ul style="list-style-type: none"> identifying and explaining: <ul style="list-style-type: none"> types, purposes and functions of warehouses relationship between receiving, shipping and storage areas various warehousing systems purposes, advantages and disadvantages of various stock locator techniques preparing and presenting a report on bonding: <ul style="list-style-type: none"> principles and practices effects on flow of goods from producer to consumer demonstrating: <ul style="list-style-type: none"> knowledge of packing standards packaging procedures document selection and completion identifying, selecting and safely using appropriate equipment and aids in handling and managing materials and product. <p><i>Assessment Tool</i> LOG2010: Warehouse & Distribute 2 Competency Profile and Assessment Checklist</p> <p><i>Standard</i> A minimum performance rating of 2 for each applicable area of assessment</p>	<p>10</p> <p>10</p> <p>10</p> <p>10</p> <p>40</p>

MODULE LOG2010: WAREHOUSE & DISTRIBUTE 2 (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>Warehousing</p> <ul style="list-style-type: none"> • Types • Locations • Organization • Systems 	<p><i>The student should:</i></p> <ul style="list-style-type: none"> • identify various types of warehouses and describe their specific purposes • identify and explain where and why different types of warehouses are usually located • identify and explain the purpose of and relationship between: <ul style="list-style-type: none"> – shipping area – receiving area – storage area • identify and explain the purpose of different systems of warehousing including: <ul style="list-style-type: none"> – first in/first out (FIFO) – last in/first out (LIFO) – time-dated systems – non-time dated systems – bulk materials handling systems – general materials handling procedures 	

MODULE LOG2010: WAREHOUSE & DISTRIBUTE 2 (continued)

Concept	Specific Learner Expectations	Notes
<ul style="list-style-type: none"> • Stock Locator Systems 	<p><i>The student should:</i></p> <ul style="list-style-type: none"> • identify and explain the advantages, disadvantages and purposes for using the following stock locator systems: <ul style="list-style-type: none"> – random – fixed – manual – electronic • demonstrate basic ability to use stock locator systems. 	
Bonding	<ul style="list-style-type: none"> • explain principles and practices relating to bonding; e.g.: <ul style="list-style-type: none"> – purpose of bonding – methods of bonding – bonding requirements • list examples of goods that are usually placed in bond • explain how bonding affects the flow of goods from producers to consumers. 	
Shipment Preparation <ul style="list-style-type: none"> • Packaging 	<ul style="list-style-type: none"> • distinguish between packaging and packing systems • explain the purpose of packaging • identify and describe types of packaging; e.g.: <ul style="list-style-type: none"> – volatile corrosive inhibiting paper (VCI paper) – blister packaging – security packaging – styrofoam – popcorn 	

MODULE LOG2010: WAREHOUSE & DISTRIBUTE 2 (continued)

Concept	Specific Learner Expectations	Notes
<ul style="list-style-type: none"> • Packing • Documentation 	<p><i>The student should:</i></p> <ul style="list-style-type: none"> • identify and describe packing standards; e.g.: <ul style="list-style-type: none"> – consumer standards – industrial standards – labelling • demonstrate ability to pack items to: <ul style="list-style-type: none"> – minimize damage – meet rigours of shipment – regulations and standards – modal requirements – security needs • assist in completing shipping documentation; e.g.: <ul style="list-style-type: none"> – manifests – packing slips – bills of lading – MSDS for WHMIS products. 	
<p>Materials Handling</p> <ul style="list-style-type: none"> • Equipment and Aids 	<ul style="list-style-type: none"> • identify and describe equipment and aids used to handle various materials; e.g.: <ul style="list-style-type: none"> – forklifts – power lifts – power jacks – rollers • demonstrate safe product movement and placement procedures • demonstrate safety, competency and confidence in operating and handling equipment and aids. 	<p>Provincial and company regulations must be identified and followed in all situations.</p>
<p>Career Opportunities</p>	<ul style="list-style-type: none"> • identify and describe requirements for entry into a warehousing and distribution career as a: <ul style="list-style-type: none"> – shipper – receiver – forklift operator – warehouse supervisor – replenishment team leader – foreman – storage area supervisor – any other warehousing and distribution position. 	<p>Include in discussions of requirements:</p> <ul style="list-style-type: none"> • physical fitness • academic • willingness to learn • teamwork • numeracy • communication requirements/abilities.