

MODULE CON3200: PRODUCTION MANAGEMENT

Level: Advanced

Theme: Manufacturing Systems (Processes and Applications)

Prerequisite: CON3190 Production Planning

Module Description: Students identify and enhance management skills in relation to the development and deployment of people and physical resources.

Module Parameters: Access to a materials and/or construction facility and to instruction from an individual with specialized training in production work.

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"> • describe effective production management strategies • develop a system to manage and schedule work and to control materials and completed products • use effective management skills to operate an efficient production system • demonstrate basic competencies. 	<p><i>Assessment of student achievement should be based on:</i></p> <ul style="list-style-type: none"> • presentation of a written report that outlines the role of management in relationship to planning, organizing and allocating resources • describes a system to schedule work, order and inventory materials and track completed products • implementation of a management plan to produce a given product. <p><i>Assessment Tool</i> <i>Presentations/Reports: Quality Management, CON3200-1</i></p> <p><i>Standard</i> <i>Performance rating of 3 for each applicable task</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>35</p> <p>65</p> <p>Integrated throughout</p>

MODULE CON3200: PRODUCTION MANAGEMENT (continued)

Concept	Specific Learner Expectations	Notes
<p>Orientation</p> <ul style="list-style-type: none"> • Role of Management 	<p><i>The student should:</i></p> <ul style="list-style-type: none"> • define the role of management in a production system • identify and describe the key management elements; e.g.: <ul style="list-style-type: none"> – planning – organizing – leading – controlling • identify the functions that are the responsibility of a management team; e.g.: <ul style="list-style-type: none"> – marketing – research and development – production – servicing – finance – training. 	<p>Students should be asked to participate in management activities as well as in production.</p> <p>Discuss total quality management principles.</p>
<p>Management Techniques</p>	<ul style="list-style-type: none"> • identify and describe typical scheduling techniques used by production managers such as a PERT chart (Program Evaluation Review Technique) • differentiate between quality control and total quality management • compare labour–management relations in a traditional and automated settings • describe the role government has in overseeing production such as: <ul style="list-style-type: none"> – Occupational Health and Safety – Workers’ Compensation – Alberta Environmental Protection. 	
<p>Implementation</p> <ul style="list-style-type: none"> • Scheduling 	<ul style="list-style-type: none"> • prepare a PERT chart or other scheduling device for a production project 	

MODULE CON3200: PRODUCTION MANAGEMENT (continued)

Concept	Specific Learner Expectations	Notes
<ul style="list-style-type: none"> • Business Plan • Working Conditions and Relations 	<p><i>The student should:</i></p> <ul style="list-style-type: none"> • produce a simple business plan by outlining its purpose, performing a cash flow analysis and predicting its profitability • plan, implement and monitor a safety program for a production project <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> • create a system to improve working conditions and job satisfaction. 	
<p>Assessment</p> <ul style="list-style-type: none"> • Career Information • Career Preparation 	<ul style="list-style-type: none"> • describe the career preparation and management opportunities related to a production industry • maintain a record of completed activities within a portfolio. 	

