

# MANU: Beverage Packaging

Language of I instruction:       English         Credits:       5         NFQ Level:       1         Module Delivered Integration       1         Togrammet(s)       1         Strategies:       In this level 8 module, the learning objectives, learning activities and assessments are constructively aligned. A variety of active learning strategies, facilitated by the VLE, Blackbowd, will be employed: eglectives, practical demonstration, discussion, site visits, engagement with materials (exts, journals etc.), learners will be expected to activities. This module will be assessed summatively via a continuous assessment which can include of class activities. This module is that the student understands the raw materials used in the packaging of alcoholic beverages. Examples of such materials are alumnium, stainess steel, glass, paperboard, corrugated fiber beverages. Examples of such materials are alumnium, stainess steel, glass, paperboard, corrugated fiber beverages. Examples of such materials are alumnium, stainess steel, glass, paperboard, corrugated fiber beverages. Examples of such materials are alumnium, stainess steel, glass, paperboard, corrugated fiber beverages. Examples of such materials are alumnium, stainess steel, glass, paperboard, corrugated fiber beverages. Examples of such materials are alumnium, stainess steel, glass, paperboard, corrugated fiber beverages. Examples of such and plastics         Distinguish between primary packaging materials       Interser traveles ween the various packaging materials         Distinguish between the various packaging materials       Interser traveles ween the various packaging materials         Module Activerist       Is aroninsued ween the serious ma	Module Title:			Beverage Packaging	
Credits:       5         NFQ Level:       8         Module Delivered International States and Second States and	Language of Instruction:		n:	English	
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### MANU: Beverage Packaging

# Module Content & Assessment

#### Indicative Content

#### Distinguish between primary packaging materials - small and large pack

Small pack primary packaging examples: Can and can end Glass bottle (RB and NRB) and closure The purpose and functions of secondary packaging Secondary packaging examples including: Board Sleeve wrap and multipack Fully enclosed carton (FEC) Ring Carrier Crate Shrink-film For the above examples the following will be covered: The usual materials of construction The key design elements Advantages and disadvantages The purpose and functions of tertiary packaging Tertiary package examples: Pallet Locator board Stretch and shrink-film For the above examples the following will be covered: The usual materials of construction The key design elements Advantages and disadvantages Plastic bottle and closure Label

#### Examine secondary and Tertiary packaging materials

The purpose and functions of secondary packaging Secondary packaging examples including: Board Sleeve wrap and multipack Fully enclosed carton (FEC) Ring Carrier Crate Shrink-film For the above examples the following will be covered: The usual materials of construction The key design elements Advantages and disadvantages The purpose and functions of tertiary packaging Tertiary package examples: Pallet Locator board Stretch and shrink-film For the above examples the following will be covered: The usual materials of construction The key design elements Advantages and disadvantages

#### Differentiate between the various packaging machines on a line

Typical layout of a packaging line before the filler The purpose of each key operational step pre-filler, including the depalletiser, conveyor systems, washing systems (e.g. crate, bottle, keg and cask) and empty container inspection Key principles of operation for those steps listed above Small and large pack depalletising systems Conveyor systems Returnable bottle and crate washing systems Large pack external and internal cleaning systems

#### **Practical Demonstrations**

Visits to packaging producers / converters / high speed packaging lines. Appraisal of packaging from trade.

# Assessment Breakdown%Continuous Assessment30.00%End of Module Formal Examination70.00%

#### Special Regulation

Students must achieve a minimum grade (35%) in both the CA and final examination. IT Carlow reserves the right to alter the nature and timings of assessments

Continuous Assessment							
Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date			
Other	Practical demonstrations/MCQ/short answers/site visit report/oral	1,2	30.00	n/a			

No Project

No Practical

End of Module Formal Examination						
Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date		
Formal Exam	2 hour examination (open-book or closed-book examination consisting of closed-ended and open-ended questions)	1,3	70.00	End-of- Semester		

SETU Carlow Campus reserves the right to alter the nature and timings of assessment



## MANU: Beverage Packaging

# Module Workload Workload: Full Time Workload Type Frequency Average Weekly Learner Workload Lab/Lecture 12 Weeks per Stage 3.00 Independent Learning Time 15 Weeks per Stage 5.93 Total Hours 125.00

Module Delivered In						
Programme Code	Programme	Semester	Delivery			
CW_SABRE_B	Bachelor of Science (Honours) in Brewing and Distilling	8	Mandatory			