

MBAA Brewery Packaging Technology Course

April 27–May 8, 2014 • Madison, Wisconsin

Sunday, April 27

All Day

6:15 p.m.

7:00 p.m.

Students pick up course information packets when checking in at the front desk

Reception—Welcome Gathering for Students and Faculty

Lowell Center Main Floor Reception Area

Dinner and Orientation—Lowell Center Dining Hall (Casual Attire)

Karl Ockert, MBAA Technical Director, & Lynn Fleming, Asst. Manager Lowell Center

Monday, April 28

8:00 – 8:30 a.m.

8:30 a.m. – 10:30 a.m.

10:45 a.m. – 12:00 p.m.

12:00 – 1:00 p.m.

1:00 – 2:15 p.m.

2:30 – 4:30 p.m.

4:30 – 5:00 p.m.

Classes at the Pyle Center, Room 235

Class Introduction, Case Study Team Assignments

Karl Ockert, MBAA Technical Director

Glass Bottle Manufacturing and Quality Control

David Wendt, O-I Glass

PET Bottles for Beer Packaging

Frank Embs, Indorama Ventures

Lunch at the Pyle Center

Two-Piece Aluminum Can and End Manufacturing

Bill Forsythe, Canning Technology, Inc.

Can Double-Seam Technology

Bill Forsythe, Canning Technology, Inc.

Container Discussion Panel

Tuesday, April 29

8:00 a.m. – 12:00 p.m.

12:00 – 1:00 p.m.

1:00 – 2:30 p.m.

2:45 – 3:45 p.m.

4:00 – 5:15 p.m.

Classes at the Pyle Center, Room 235

Beer Filling Technology

Randy Dillman, KHS, USA

Lunch at the Pyle Center

Small Canning Lines

Jamie Gordon, Cask Brewing Systems

Can Seam Quality Control Methods

Bryan Hall, CMC-Kuhnke, Inc.

Bottle Crown Manufacturing and Crowning Operations

Juan Carlos Gomez, Fabricas (Mexico)

Wednesday, April 30

8:00 – 10:00 a.m.

10:15 a.m. – 12:00 p.m.

12:00 – 1:00 p.m.

1:00 – 3:30 p.m.

3:45 – 5:00 p.m.

Classes at the Pyle Center, Room 235

Conveyors—Types, Uses, Maintenance, and Troubleshooting

Chuck McGrady, Rexnord

Bottle Labels

Mark Glendening, Inland Label

Lunch at the Pyle Center

Labeling Operations and Troubleshooting

Frank Kaczmarek, Kronos, Inc.

Package Inspection in the Brewing Industry

Jeff DeVoy, Heuft, USA

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Thursday, May 1

7:45 a.m.
7:45 – 9:30 a.m.
9:45 – 12:00 p.m.
12:00 p.m. – 12:25 p.m.
12:30 – 1:15 p.m.
1:15 – 1:45 p.m.
1:45 – 4:00 p.m.
4:00 – 5:00 p.m.
5:15 – 6:45 p.m.

Field Trip

Bus Departs from the Lowell Center for Fort Atkinson
Bus Trip to Fort Atkinson for a Tour of the Ball Corporation Can Plant
Tour of the Ball Corporation Can Plant
Bus to MillerCoors Brewery
Lunch at MillerCoors Corporate Cafeteria
Free Time in MillerCoors Tour Center and Gift Shop
Tour of the MillerCoors Milwaukee Brewery Packaging Center
Refreshments and Q&A Discussion at the Miller Inn
Return Trip to the Lowell Center

Friday, May 2

8:00 a.m. – 12:00 p.m.

12:00 – 1:00 p.m.
1:00 – 5:00 p.m.

Classes at the Pyle Center, Room 235

General Principles for Packaging Line Design and Control
Robert Nantel, Gebo Cermex Canada Inc.
Lunch at the Pyle Center
Package Department Maintenance Best Practices
Greg Harris, MillerCoors

Saturday, May 3

9:00 a.m. – 12:00 p.m.

2:00 p.m.

Class at the Pyle Center, Room 235

Packaging Microbiology
Michael Barney, Consulting Microbiologist
No Lunch Provided
Optional Tour of the UW Pilot Brewery (if available)

Sunday, May 4

Free Day! No Scheduled Activities

Monday, May 5

8:00 – 10:30 a.m.

10:45 – 12:00 p.m.

12:00 – 1:00 p.m.
1:00 – 5:00 p.m.

Classes at the Pyle Center, Room 235

Bottle Washing, Tunnel Pasteurization/Pasteurizer Maintenance
David Duff, Barry-Wehmiller, & Scott Pavlich, FleetwoodGoldcoWyard
Microfiltration of Beer
Conor O'Hara, 3M
Lunch at the Pyle Center
Principles of Packaging Department Cleaning and Water Treatment
Joe Dirksen, Ecolab, Food & Beverage Division

Tuesday, May 6

8:00 – 9:45 a.m.

10:00 a.m. – 12:00 p.m.

12:00 – 1:00 p.m.
1:00 – 3:30 p.m.

3:30 – 3:45 p.m.
3:45 – 4:45 p.m.
5:00 – 6:30 p.m.

6:45 – 7:45 p.m.
7:45 – 8:45 p.m.

Classes at the Pyle Center, Room 235

Overview of Multipack Paperboard Production and Multipackaging Machinery
Graham Hand, Graphic Packaging International
Uncasers and Drop Packer Machinery
Michael Newcome, Hartness International
Lunch at the Pyle Center
Modern Package Coding Technology
Brian Burke, Videojet Technologies, Inc.
Load on the Bus at the Pyle Center
Bus Trip to the New Glarus Brewery in New Glarus, Wisconsin
Tour of the New Glarus Brewery
Hosted by Diploma Master Brewer Dan Carey
Dinner at the New Glarus Hotel
Return Trip to the Lowell Center

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Wednesday, May 7

8:00 – 10:00 a.m.

Classes at the Pyle Center, Room 235

Single-Valve Keg Packaging

Andy Brewer, Petainer

10:15 a.m. – 12:00 p.m.

Maintaining Product Quality and Uniformity

Gary Nicholas, Bell's Brewery

12:00 – 1:00 p.m.

Lunch at the Pyle Center & Class Photo!

1:00 – 2:00 p.m.

Palletizing Operations

Bill Natsch, Intellegated

2:15 – 5:00 p.m.

Packaging Department Operations

Jim Helmke, Yuengling Brewery

Thursday, May 8

8:00 a.m. – 12:00 p.m.

Classes at the Pyle Center, Room 235

Student Team Presentations to the Class

Team 1, Team 2, Team 3, Team 4, Team 5, Team 6

Packaging Case Study Review Panel

Panel Members: Steve Peters (Krones), Steven Peters (City Brewing)

Jim Helmke (Yuengling), Karl Ockert (moderator)

12:00 – 1:00 p.m.

Lunch at the Pyle Center

1:00 – 2:30 p.m.

Food Safety and HACCP

Gary Jansen, CP Kelco

2:30 – 2:45 p.m.

UPS Service at the Pyle Center

2:45 – 5:00 p.m.

Beer Flavor Training and Effects of Packaging Materials on Beer Flavor

Roy Desrochers, GEI Consultants, Inc.

6:30 – 7:00 p.m.

Reception—Beer Room, Lowell Center, Room 118

7:00 p.m.

Dinner—Lowell Center Dining Hall (Informal Attire)

Closing Remarks and Awarding of Certificates

Friday, May 9

6:30 – 9:00 a.m.

Breakfast and Check Out by 11:00 a.m.

(Note: The Lowell Center Will Store Your Luggage If You Need to Check Out Early)

9:00– 11:00 a.m.

IBD General Certificate (Packaging) Exam—Pyle Center, Room TBD

Karl Ockert, Examination Room Invigilator