Craig Densmore

Expectations for 2010-2011 Academic Year

Daguerreotype Preservation Project with Dr. Ge and John Glass (Graduate Student)
Craig Densmore

• 2010-11 Courses
  – Packaging Materials I
  – Packaging for End Use (XL)
  – Export/Import Packaging
  – Flexible Packaging
  – Packaging and The Environment (XL)
  – Independent Study
  – Thesis Reviews
Packaging Materials I
0607-311

- Polymer History
- Polymer Terminology
- Polymer Structures
- Study of Commodity Polymers
  - Additives
  - Processing
  - Converting
Packaging Materials I

- Coating & Laminating
- Adhesion & Sealing
- Aluminum Production
- Aluminum Recycling
- Basics of Metal Container
  - Manufacturing
  - Closures
Packaging for End Use
0607-763

Executive Leader Level
On-line synchronous offering that included case study reviews and discussions regarding multiple product category types.

Major Deliverable – Product review or improvement Project from their own firm
Export/Import Packaging
0607-555

- Co-taught with Dr. Goodwin for the 2nd year
Export/Import Packaging

- Importance & Design of Primary Shipping Containers
- Modes of Transit
  - Ship & Barge
  - Aircraft
  - Inter-modal
  - Rail
  - Truck
Export/Import Packaging

- Ports of the World Project
- Import/Export Documentation
- New INCO Terms introduced in 2010
- **Freight Forwarder Presentation – M&L Transportation Team from Utica, NY**
- Final Project – Paper describing, with appropriate documentation, a complete commercial shipment
Flexible Containers

- Folding Cartons
  - Paperboard Mfg & Types
  - Production & Converting
  - Print & Decorating Methods

- Flexible Films
  - Production methods – Blown, Cast, Orientation
  - Study of Permeability
  - Units of Measure
Flexible Containers
(Cont.)

• Flexible Film Structures, Pouches, Adhesives & Closures
• Aluminum Foils
  – Film & Foil Laminates
• Label and Adhesive Systems
  – Label Application
  – Variable Data Labels
Packaging an The Environment 0607-730

Executive Leader Level – Co-Taught with Rebecca Oesterle of Energizer Corp.

On-line synchronous offering that includes case study reviews and discussions regarding multiple subject types.

Final Deliverable – Production of a Five Year Sustainability Plan for Their Firm
Independent Study
0607-798

• Graduate Studies
  – Project involving food preservation in India
  – Project to formalize and quantify the selection of capital equipment for packaging functions
Thesis Reviews

- Multiple participation on full time and Executive Leader student thesis committees.
- 6+ this session
Semester Conversion

• New Course Development

Package Printing
Flexographic printing methods
Gravure printing methods
Lithographic and Letterpress printing methods
Appropriate printing techniques utilized by material type
Surface treatment and curing techniques specific to packaging materials
Image preparation techniques
Utilization of digital proofing and color management
Digital work flow management
Digital asset management
• New Course Development

Packaging Supply Chain

Macroeconomic forces in packaging
Supply/Demand and Market Equilibrium price theory
Cost analysis, Input substitution, Economies of scale
Elements of packaging cost (Purchase Price Cost Analysis)
Purchasing and supply chain management
Relationship of purchasing and engineering functions
Supplier selection
Price stabilization; SWAPS, Caps & Collars as price control tools
Packaging externalities; Consumer packaging waste disposal costs (Extended Producer Responsibility)
Additional Activities

• George Eastman House Daguerreotype Preservation Project
• Global Packaging Project-Academic Rep.
• IoPP WNY – Pack Expo Chicago
• Student Tour(s) – American Packaging
• Research Comparing Performance of NA Linerboard vs. Asian Production
• Questions

• Thank you