

14:440:477 (Spring, 2017) Packaging Manufacturing 2  
Packaging Engineering Program, School of Engineering  
Rutgers University – New Brunswick, New Jersey

Instructor: Marty Golden  
 E-mail: marty.golden@mdlz.com  
 Office: CoRE 603 (732) 445-3224  
 Course Time: Thursday 6:40 PM – 9:30 MP  
 Office Hour: Thursday 3:30 PM – 4:30 PM  
 Class Location: SEC 206  
 Course Website: <http://sakai.rutgers.edu>

Course Descriptions: Packaging Manufacturing 2 - The course will cover the packaging materials, process and packaging assets utilized in manufacturing. The key areas that will be covered this semester include: Thermoformed packaging, Medical packaging, Tube packaging, Injection & blow molded packaging, Glass packaging and Metal packaging.

Course Schedule:

Week	Description	Assignment
1	Thermoformed Package Materials and Process	# 1Thermoformed Pkg. Sample and Mfg. Description
2	Thermoformed Packaging Equipment both Converter and In-house	#2 Tube Pkg. Sample and Mfg. Description
3	Medical Packaging and Tube Packaging Material, Process and Equipment Medical Packaging Guest Lecture	# 3 Injection Molded Pkg. Sample and Mfg. Description
4	Injection Molding Process and Equipment	Exam #1 Thermoforming & Tube Packaging
5	Injection Blow Molding & Blow Molding Process and Equipment Injection Molding Guest Lecture	# 4 Glass Pkg. Sample and Mfg. Description
6	Glass Packaging Material and Process	Exam # 2 Injection & Injection Blow Molded Pkg.
7	Glass Packaging Process and Equipment Glass Packaging Guest Lecture	Questions for Guest Lecture
8	Glass Packaging - Labeling	Review of Labeling applications
9	No Class Spring Break	#5 Metal Pkg. Sample and Mfg. Description
10	Introduction – Metal Packaging	Exam # 3 Glass Packaging
11	Metal Packaging - Can Materials and Process Metal Packaging Guest Lecture	Assignment of Final Group Project Assignments.
12	Metal Packaging 2 – 3 piece Stamping Process	Review of Metal Pkg. applications
13	In-Class Individual Project Team Reviews	Exam # 4 Metal Packaging Working on the Final Projects
14	In-Class Individual Project Team Final Presentations	

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Grading Policy: Class Attendance and Participation	10%
4 – Exams	50%
Assignments	20%
Final Project	15%

During the semester, there might be some adjustments of assignments and lectures etc. Those will be announced on the course website. The "Reference score" in the above table will be adjusted accordingly.

Assignment Policy: Assignments have to be forward before the due date. Late submissions will not be accepted.

Exam Policy: No electronic devices will be open. No discussion during Exams, No copying or discussions with classmates.

Project Policy: The final project will consist of 5 people. The scope of each final project will be assigned by Marty Golden. Each project team will elect a team leader. Each final project team will be responsible for its organization, work in process, meeting the project deadline and having good communication between the instructor and the project team.