

**INDUSTRIAL TECHNOLOGY DEPARTMENT**  
California Polytechnic State University San Luis Obispo

**Class:** IT 435 - Packaging Development  
**Semester:** Spring 2014

**Instructors:** Dr. Ricky Speck  
Kristine Hegglin  
Ray Kisch (Lab)

**Lecture:** Building 3-201  
7:40AM-9:00AM TR

**Laboratory:** Building 21-0012  
12:10PM - 2:00PM T for Section 02  
12:10PM - 2:00PM R for Section 03

**Office:** Building 3-344  
9:00AM – 10:00AM TR  
(805) 756-1213

**COURSE OUTLINE AND STUDY GUIDE**

**COURSE GOALS AND EXPECTED OUTCOMES**

This course is directed toward students who will use background knowledge of packaging and product development in plant engineering, quality control, production or marketing pursuits during employment.

In this course we will look at packaging from design to completion. Upon successful completion of the course you will be able to simulate the packaging development process from design to finished product.

To meet this goal you will work as part of a design team to simulate packaging development for product distribution and retail markets. Each team will develop technical specifications, materials costs, marketing strategy and manufacturing expenses for a retail packaged product. You will also become familiar with current research in packaging development, distribution and package sustainability.

**Learning Objectives For This Course:**

**Learning Objective 1**

Demonstrate general knowledge within their area of interest in Industrial Technology.

**Learning Objective 2**

Demonstrate effective verbal communications skills.

**Learning Objective 3**

Demonstrate effective technical written communications skills.

**Learning Objective 4**

Explain and act on ethical issues regarding the applications of technology.

## **TEXT AND REFERENCES**

Text: Course notes provided during lecture or on blackboard.

References: Introduction to Packaging Machinery, Glenn Davis PMMI  
Handbook of Packaging Engineering, Hanlon, 3 ed. Technomic, 1998  
Selected Journal Publications

## **GRADING CRITERIA**

Exam 1	50 points
Exam 2	50 points
Final Project	50 points
Quizzes and Reports	20 points
Assignments and Laboratory Activities	50 points

Course design project can include, but is not limited to, the items listed below.

Package Design.

Graphics.

Specifications.

Filling/Packaging Line Design.

Distribution and Performance Analysis and Testing.

Midpoint Documentation Deliverables.

Complete written project presentation.

Summary oral project presentation.

- All exams and quizzes are written and must be completed in a manner legible to the instructor(s).
- All assignments, reports (including reports on laboratory activities), project deliverables, and any other material turned in for grading must be typed and be legible to the instructor(s).
- There is **NO** extra credit available in this class.
- Point values and percentages may change depending on time constraints and content covered.
- *Note on Plagiarizing - (Merriam-Webster) to steal or pass off (the ideas or words of another) as one's own: use (another's production) without crediting the source*
- **Plagiarizing – IS UNACCEPTABLE AT CAL POLY and will result in an F for the course and report of behavior to the Academic Affairs Committee.**

### **Attendance Policy:**

You are expected to attend all classes and laboratories. Absences may cause you to miss material which will not be repeated. Students are responsible for all lecture and laboratory material that have been covered for examinations regardless of whether an absence was or was not excused.

- **NO** make-up for laboratory activities, exams, or quizzes without prior approval and a valid doctor's note, obituary notice, etc..
- Students must be present for, and participating in, a laboratory activity to turn in a report on the activity and receive credit.
- Late assignments, reports, project related deliverables, and lab related deliverables are not accepted without prior approval and a valid doctor's note, obituary notice, etc.
- All assignments, reports, project deliverables, and laboratory related deliverables are due at the **START** of class or lab. They are considered late if more than 10 minutes has passed since the start of class or lab.

**Academic Honesty Policy:**

Students are expected to adhere to the conduct outlined under the Student Academic Rights & Responsibilities section of the 2013-2015 CAL POLY catalog.

*The instructors reserve the right to modify this course syllabus as deemed necessary over the course of the quarter.*