



COURSE: GSP 530: PACKAGING VALUE CHAIN
PROFESSOR: DR. CLAIRE SAND

COURSE DESCRIPTION

Packaging value chain from raw material supplier to retailers in the context of meeting current needs within the packaging arena. Global exploration of value chain strategies to increase innovation, sustainability, cost savings, quality, organizational agility, and responsiveness.

COURSE OBJECTIVES

Student Learning Objectives:

Topic 1

1. Understand evolution of the packaging value chain
2. Define differences between the packaging supply chain and packaging value chain
3. Differentiate between value chain and supply chain solutions to address a current challenge
4. Explore packaging value chain in context of packaging suppliers
5. Design value chain solutions for packaging suppliers that enhance their competitive advantage through interfaces with 2 distinct entities within the value chain

Topic 2

1. Explore packaging value chain in context of products companies
2. Recognize the role of the packaging value chain in building agility to reduce stress associated with disasters, economic strife, and climate change
3. Formulate specific value chain activities that use/enhance clusters to flex with disasters, economic strife, and climate change
4. Appraise how entities within packaging sector can add more value and improve agility

Topic 3

1. Explore packaging value chain in context of distribution
2. Assemble initiatives with value chain connections that employ multiple links in the value chain and that expand the width of the value chain

Final Assignment

1. Explore packaging value chain in context of the packaging industry and innovation
2. Critique current approaches to innovation within the packaging sector
3. Revise plans for multiple value chain solution plans to better address innovation needs

COURSE PROCESS

University Holidays may adjust assignment deadlines. The timing is the same each week. This consistency and due dates and times are to accommodate your employment and enable you to make progress toward your degree/certificate.

- All Topic Sections will "open" on Sunday at midnight.
- Discussion Boards are due the following Thursday at midnight
- Assignments are due on the following Sunday at midnight.
- Monday night Live Chats are held from 7:00-8:00AM UTC-7 to introduce the new topic for the week, answer questions you may have, allow students time to present topics, and facilitate a more informal exchange. Attendance is not mandatory; but, highly encouraged. Chats are recorded for your reference.

Please contact me if you need an exception due to travel or unforeseen circumstances.

Within each Topic Section, there are 5 sub folders of:

1. Audio PowerPoint

You may wish to use headphones when listening to the files.

If you cannot hear the files, immediately contact the help desk for technical support

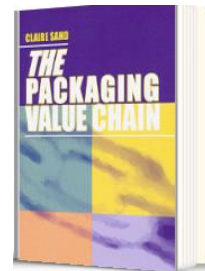
2. Required Text and Reading

The Packaging Value Chain. By Claire Sand. Available through Destech. Available at <https://www.destechpub.com/product/packaging-value-chain-2/>

Readings listed within each topic

Additional reading will be assigned weekly.

- Reading should ideally be read Monday and Tuesday each week. This allows time for Discussion Forum comments and the Assignment
- You should plan on seeking further information using resources via CalPoly libraries.
- Some students have less experience within the packaging arena than others. To assist these students, some readings will be identified as review.
- These reviews and readings may also serve as a place to guide your research each week.



3. Discussion Forum

Discussion Forums are worth 10 points each week and align with SLOs for each unit.

- The purpose of the asynchronous Discussion Forum is to communicate ideas between students and Dr. Sand and assist with assignment writing.
- Think of the Discussions as taking the place of a typical classroom discussion
 - Plan on logging in once a day for 10-15 minutes to keep up with the Discussion.
- Comments foster an exchange between students and are guided by the professor.

- Students will receive points for Discussions according to the following rubric:
2 pts - Starting a thread
8 pts - Each substantial response to threads of **other** students with a maximum of 8 pts
10 - pts total for Discussion

4. Assignments:

- Assignments are worth 10 points each week and align with SLOs for each unit.
- Assignments for each topic need to be attached and sent through the D2L Drop Box associated with each Topic.
- Assignment protocol is: Name, Due Date, and Topic on first line.
- Limit of 2-pages single spaced with 1-inch margins.
 - Pages beyond 2 pages will not be graded
 - Reference are to be listed on page 2
- Due to the graduate level of the course, content will be graded on how well stated opinions are reinforced with succinct examples, references, and documentation.
- Grading rubric accompany each assignment.
- Assignments will be graded and recorded by the following week.

5. Chat:

- The On-line class Chat will be Monday nights from 7am (UTC-7) hours and is not mandatory; but highly encouraged.
- Course concepts for the week will be presented in an informal manner and Q&A drives the Chat.
- This is a time when most students are available and does not conflict with work hours of most students.
- The Chat will be through Zoom at calpoly.zoom.us.
- If you will be in a public area, you may wish to use headphones, microphone to facilitate communication.

LATE SUBMISSIONS

Late Discussion posts are not accepted. If student has university accepted excused absence for the time of the Discussion, arrangements can be made with Dr Sand.

GRADING

The Final grade will be based on a percentage of each Topic assignment and discussion forum. Each Assignments is worth 10 points and Discussion Forums are worth 10 points. Final grades will be calculated out of the total points for the course using the grading criteria. Grading will be standard grading,

TECHNICAL COMPETENCIES

Learning Management System



STUDENT INTERACTION

Student interaction in the form of Discussion posts and in group projects is required. If accommodations are needed, please contact Dr Sand. Communications with Dr Sand during the course is encouraged in Discussions, conversations, feedback on graded assignments.

RULE OF CONDUCT ACADEMIC POLICIES

Students are responsible for knowing the University policy regarding academic honesty. See this link on [Academic Honesty Policy](#) provided on the university website.

Online communications comply with CalPoly policy including plagiarism and can be found at:

<http://www.academicprograms.calpoly.edu/content/academicpolicies/Cheating>.

ACCOMMODATIONS AND STUDENTS WITH DISABILITIES

A list of officially supported campus technologies and descriptions of how they are accessible can be found on: <https://accessibility.calpoly.edu/content/it>.

https://drc.calpoly.edu/content/eligibility/guidelines_learning_disability. Persons who wish to request disability-related accommodations should contact the Disability Resource Center in Building 124, Room 119. Phone: (805) 756-1395 or (805) 756-6266 (TTY). Office hours are Monday-Friday from 8:00 AM – 4:30 PM. Some accommodations may take up to several weeks to arrange. [DRC Web Site](#). If you are a student with a disability, please consider discussing your needs and possible accommodations with me as soon as possible.

RESOURCES

Overall resources including tutoring, available are at: <https://www.calpoly.edu/student/enrolled.html>

Student support services for academic support is at: <http://sas.calpoly.edu/>

Counseling and non-academic support can also be found here:

<https://hcs.calpoly.edu/content/counseling/counseling-home>

CAL POLY'S ORFALEA COLLEGE OF BUSINESS GRADUATE AND CERTIFICATE PROGRAMS AND/OR EXTENDED EDUCATION

Questions concerning your program status should be directed to Graduate Programs Office, cobgmp@calpoly.edu or phone 805-756-2637. If on campus, the office is in Building 03, Room 409. You may also contact the Office of Extended Education, extended@calpoly.edu or 805-756-2053. If on campus, the office is in Building 52, Room E-24.

PROFESSOR AND OFFICE HOURS

Dr. Claire Sand

Communication: 4 methods can be used to communicate with Dr. Sand:

1. Text/Telephone: 612-807-5341
2. Email: csand01@calpoly.edu
3. Skype: address is *clairekoelschsand*. Please download Skype and type in my address so you can Skype me when questions arise. This is especially important if the platform becomes inoperable.
4. LinkedIn: *claire sand*



Office Hours: M-S from 4:00am - 3:00pm UTC-7

Overall availability: Outside of office hours when you “see” me on Skype.

If you cannot make office hours, please contact me and we can arrange a time

Dr. Claire Sand runs Packaging Technology and Research, where she provides project-based strategy, technology, consulting and coaching services to food and packaging companies. Claire Sand is an industry and academic leader who focuses on food packaging, food engineering, and food science. Sand integrates material science, active and intelligent packaging, ingredient technology, and food processing strategies to launch new products and extend the shelf life of existing products. In her 30 plus year career, Dr. Sand has held a variety of roles across the food science and packaging spectrum. Prior to leading her own company, Sand’s experience ranged from basic research and development to strategic value chain analysis and everything in between. Her portfolio includes working with Gerber - Nestle, Pillsbury- General Mills, Kraft Foods -Kraft Heinz, Dominick’s -Safeway, and research institutes in Germany, Colombia, and Thailand.

Dr Sand is also:

- Fellow, Institute of Food Technologists (IFT)
- Adjunct professor at Michigan State University
- Adjunct professor at CalPoly
- Packaging columnist, IFT’s Food Technology magazine
- Editorial Board, Packaging Science and Technology
- Board member, Higher Education Review Board (HERB), IFT
- Reviewer, Journal of Food Science
- Chair, Global Food Packaging Curricula Development, IUFoST
- Pac *FoodWaste* Co-Chair
- Executive Committee, IFT Food Packaging Division
- Committee member, Phi Tau Sigma Strategic Relations and Chapter Affairs
- Stillwater Human Rights Commissioner
- Stillwater School District Workforce Committee member

Dr. Sand holds a doctorate degree in Food Science and Nutrition from the University of Minnesota and MS and BS in Packaging from Michigan State University.

packagingtechnologyandresearch.com