COURSE DESCRIPTION
Course provides instruction on manufacturing processes and techniques for various types of print graphics with an emphasis on 3D packaging. Production practices, material usage, flexography process, finishing and distribution processes and environmental/sustainability trends will be studied. Course studies the interaction between products and the many roles that packaging plays in the supply chain. Course presents methods of postal requirements, barcoding, how products get to market, costs, manufacturing needs and delivery of said product.

Prerequisite: GRA 111 or GRA 222 with a grade of C or better or consent of coordinator.

TOPICAL OUTLINE
I. Understand the Manufacturing Processes and Techniques for Various Types of Print Graphics
II. Understand the Manufacturing Processes and Techniques for 3D Packaging
III. Understand the Packaging Industry with an Emphasis on Flexography Processes
IV. Comprehend Production Practices, Material Usage and Guidelines, Finishing and Distribution Processes
V. Learn Converting and Bindery Techniques for All Print Graphics
VI. An Overall Understand of Environmental Standards and Regulation in the Packaging Industry
VII. Tactical Understand of Barcodes, Postal Requirements and Getting Product to Market

METHODS OF PRESENTATION
1. Lecture
2. Group work/hands-on
3. Off Campus Coursework
4. Field trip

STUDENT OUTCOMES: (The student should…)
1. understand different types of packaging and how they are produced, finished and distributed.
2. understand the production/manufacturing requirements of the print and packaging industry.
3. comprehend different packaging products and substrates.
4. understand procedures and steps in the packaging supply chain.
5. comprehend converting and bindery techniques for all print graphics.
6. understand environmental standards and regulation in the packaging industry.
7. understand barcoding, postal requirements and tactics of getting product to market.

METHODS OF EVALUATION
1. Lab assignments and projects
2. Assignments related to industry topic
3. Tests and quizzes
4. Papers

TEXTBOOKS/INSTRUCTIONAL MATERIALS
None