FS 3210 - PRODUCT DEVELOPMENT + MANAGEMENT

Credits: 3

This advanced-level course focuses on the tools and concepts of product design and development with a focus on mass production planning techniques. The course will emphasize design management, coordination and editing, sourcing and contracting, scheduling for manufacturing, marketing, and merchandising. Students apply knowledge through the development of technical packages for an entire collection. Upon successful completion of this course, students will have a working knowledge of how to manage the development of a complete line of products from concept to wholesale release.

Prerequisites: FS 2411- Digital Design I

Course Learning Outcomes:	Exceeding	Meeting	Developing	Not meeting	Program Outcomes	Institutional Outcomes
Explain the tools and concepts of product design and development.	Student work displayed an excellent degree of competence in product design and development	Student work displayed a satisfactory degree of competence inproduct design and development	Student work displayed a limited degree of competence inproduct design and development	Student work displayed no degree of competence inproduct design and development	FS5	Critical Thinking, Communication Competence, Design Competence, Cultural Competence
Create a product development plan that includes design, development, manufacturing, and launch.	Student work displayed an excellent degree of competence in product development planning	Student work displayed a satisfactory degree of competence in product development planning	Student work displayed a limited degree of competence in product development planning	Student work displayed no degree of competence in product development planning	FS2, FS5	Critical Thinking, Cultural Competence, Design Competence, Communication Competence,
Organize and source required materials and services to determine resource, availability and costs.	Student work displayed an excellent degree of competence in sourcing	Student work displayed a satisfactory degree of competence in sourcing	Student work displayed a limited degree of competence in sourcing	Student work displayed no degree of competence in sourcing	FS1, FS5	Design Competence, Cultural Competence, Critical Thinking, Communication Competence,
Develop line prototyping with fit and quality standards.	Student work displayed an excellent degree of competence in prototyping standards	Student work displayed a satisfactory degree of competence in prototyping standards	Student work displayed a limited degree of competence in prototyping standards	Student work displayed no degree of competence in prototyping standards	FS3	Critical Thinking, Communication Competence, Design Competence
Produce accurate technical packages with accurate costs of goods and wholesale prices.	Student work displayed an excellent degree of competence in technical packages	Student work displayed a satisfactory degree of competence in technical packages	Student work displayed a limited degree of competence in technical packages	Student work displayed no degree of competence in technical packages	FS3	Critical Thinking, Communication Competence, Design Competence
Demonstrate the development of a complete line from concept to wholesale release.	Student work displayed an excellent degree of competence in complete line development	Student work displayed a satisfactory degree of competence incomplete line development	Student work displayed a limited degree of competence in complete line development	Student work displayed no degree of competence in complete line development	FS5	Critical Thinking, Communication Competence, Design Competence, Cultural Competence