

## FS 3311 - PRODUCTION CONSTRUCTION

Credits: 3

This senior-level course focuses on product construction beyond sample making techniques. Students will learn and apply the theory of assembly line construction and production materials for manufacturing. Upon successful completion of this course, students will have completed the order of production assembly and have the knowledge to direct product construction in a manufacturing plant.

Prerequisites: FS 2310 - Construction III- Flat Pattern Techniques

Notes: (Formerly FS 3310 Construction III)

Course Learning Outcomes:	Exceeding	Meeting	Developing	Not meeting	Program Outcomes	Institutional Outcomes
Explain the theory of assembly line construction, industrial construction technique, and production materials for manufacturing.	Student work displayed an excellent degree of competence in assembly line theory	Student work displayed a satisfactory degree of competence in assembly line theory	Student work displayed a limited degree of competence in assembly line theory	Student work displayed no degree of competence in assembly line theory	FS2	Critical Thinking, Cultural Competence, Design Competence
Demonstrate assembly construction processes with appropriate thread weights, stitch lengths and configurations for industrial construction specifications.	Student work displayed an excellent degree of competence in assembly construction specifications	Student work displayed a satisfactory degree of competence in assembly construction specifications	Student work displayed a limited degree of competence in assembly construction specifications	Student work displayed no degree of competence in assembly construction specifications	FS3	Critical Thinking, Communication Competence
Apply product development knowledge by planning the process of mass production in an industrial manufacturing plant.	Student work displayed an excellent degree of competence in planning construction production	Student work displayed a satisfactory degree of competence in planning construction production	Student work displayed a limited degree of competence in planning construction production	Student work displayed no degree of competence in planning construction production	FS3	Critical Thinking, Communication Competence
Demonstrate the complete order of production assembly and direct product construction techniques in manufacturing.	Student work displayed an excellent degree of competence in order of assembly and construction technique	Student work displayed a satisfactory degree of competence in order of assembly and construction technique	Student work displayed a limited degree of competence in order of assembly and construction technique	Student work displayed no degree of competence in order of assembly and construction technique	FS4	Critical Thinking, Communication Competence, Design Competence