FASH A102: INDUSTRIAL SEWING TECHNIQUES

Item	Value
Curriculum Committee Approval Date	12/02/2020
Top Code	130330 - Fashion Production
Units	1.5 Total Units
Hours	63 Total Hours (Lecture Hours 9; Lab Hours 54)
Total Outside of Class Hours	0
Course Credit Status	Credit: Degree Applicable (D)
Material Fee	Yes
Basic Skills	Not Basic Skills (N)
Repeatable	No
Grading Policy	Standard Letter (S), • Pass/No Pass (B)

Course Description

Advanced clothing construction techniques with emphasis on industrial equipment, techniques, use, and care. PREREQUISITE: FASH A100. Transfer Credit: CSU.

Course Level Student Learning Outcome(s)

1. Identify, operate, and maintain industrial equipment. Demonstrate construction techniques on industrial equipment, constructing a garment and identifying the specifications required for apparel production.

Course Objectives

- 1. Construct garment using industrial equipment and techniques.
- 2. Identify, operate, and care for various types of industrial equipment.
- 3. Demonstrate construction techniques with the use of industrial equipment.
- 4. Identify the specifications for stitches and seams of production apparel.
- 5. Identify parts and equipment used on an industrial sewing machine.
- 6. Operate and maintain industrial sewing equipment.
- 7. Read and utilize a production pattern for design, marker making, and cutting.
- 8. Organize the work flow using production methods.

Lecture Content

Identification of industrial parts and equipment single needle straight stitch overlock (3, 4, and 5 spool) industrial hemmer cover stitch industrial pressing equipment industrial cutting equipment automated transportation equipment walking foot Machine use and care threading oiling cleaning/maintenance minor repairs Machine stitch formation 751a government classifications machine usage Industrial sewing threads fiber content thread construction thread selection thread put-up performance problems needle selection materials compatibility Garment evaluation US Government Reference Manuel Field trips to industrial equipment retailers Orange County Industrial Wheelers Alberon

Lab Content

Industrial construction techniques seams seam types seam performance seam finishes pressing seam problems Garment construction woven fabrics knitted fabrics Production Patterns Select design Identify correct marker Determine appropriate cutting methods Production methods Demonstrate techniques on industrial equipment Identify garment specifications Organize the workflow

Method(s) of Instruction

- Lecture (02)
- Lab (04)

Instructional Techniques

Lecture, demonstration, laboratory.

Reading Assignments

Students will read information from the U.S.government Reference Manual. Student will read and analyze garment evaluations. 1-2 hours per week.

Writing Assignments

Students will write garment evaluations and provide written responses on the final exam to short-answer essay questions. 1-2 hours per week.

Out-of-class Assignments

Students will participate in field trips to industrial equipment retailers. 3-6 hours per term.

Demonstration of Critical Thinking

Students will read and utilize production patterns for design, marker-making, and cutting. Students will organize the work flow using production methods.

Required Writing, Problem Solving, Skills Demonstration

Students will write garment self-evaluations, and short-answer essay responses on final exams. Student will demonstrate appropriate construction techniques to use on each garment, and will identify the specifications required for apparel production.

Eligible Disciplines

Family and consumer and studies/home economics: Masters degree in family and consumer studies, life management/home economics, or home economics education OR bachelors degree in any of the above AND masters degree in child development, early childhood education, human development, gerontology, fashion, clothing and textiles, housing/interior design, foods/nutrition, or dietetics and food administration OR the equivalent. Masters degree required. Fashion and related technologies (merchandising, design, production): Any bachelors degree and two years of professional experience, or any associate degree and six years of professional experience.