

El Paso Community College

Syllabus

Part II

Official Course Description

SUBJECT AREA	<u>Fashion Technology</u>
COURSE RUBRIC AND NUMBER	<u>FSHN 1311</u>
COURSE TITLE	<u>Garment Construction</u>
COURSE CREDIT HOURS	<u>3 2 : 2</u> Credits Lec Lab

I. Catalog Description

Introduces the student to the equipment, techniques, and skills used to construct apparel including assembling various garment components. **(2:2). Lab fee.**

II. Course Objectives

- A. Unit I. Fabric Analysis and Garment Design
 - 1. Analyze the relationship of fabric usage to garment construction and design.
 - 2. Determine the best fabrication based on garment design, silhouette, garment construction and end use, and the body type of the intended wearer.

- B. Unit II. Fabric Selection and Combination
 - 1. Determine an accurate combination of outer fabric (self), interfacing, and lining fabric to be used in the construction of a garment.
 - 2. Select appropriate notions.

- C. Unit III. Grain Line Accuracy
 - 1. Characterize the nature of the various fabric grains, lengthwise, crossgrain, and bias.
 - 2. Employ appropriate techniques to insure accuracy of grain line.

- D. Unit IV. Materials Utilization and Conservation
 - 1. Determine yardage requirements for a garment.
 - 2. Analyze materials utilization for efficiency.
 - 3. Exercise materials conservation techniques.
 - 4. Discuss the redesign of pattern layouts for best materials utilization.
 - 5. Calculate the cost of poor materials utilization at the industry level.

- E. Unit V. Pattern Layout, Cutting, and Marking
 - 1. Develop and maintain a basic tool kit.
 - 2. Utilize demonstrated techniques for pattern layout.
 - 3. Read and interpret instructions and exhibit attention to detail.

4. Employ appropriate cutting procedures.
 5. Cut fabrics using pattern shears, rotary cutters, or electric cutters.
 6. Mark fabric with appropriate marking techniques based on fabric type (e.g. tracing wheels, tracing pens, and notchers.)
 7. Discuss the variations of pattern layout, cutting, and marking used at the industry level.
 8. Apply safety techniques when using cutting equipment.
- F. Unit VI. Sewing Machine Use
1. Identify sewing machine parts by name.
 2. Describe the function of sewing machine parts and their relationship to the sewn garment.
 3. Operate sewing and over lock machines.
 4. Select appropriate seams and perform seaming operations.
 5. Select appropriate machine stitch for various sewing operations.
 6. Apply safety techniques when operating sewing machines.
- G. Unit VII. Unit Construction Method
1. Organize a workspace.
 2. Identify the labor saving techniques of the unit construction method.
 3. Perform sewing and pressing tasks using the unit construction method.
 4. Produce high quality sewn garments by the unit construction method.
 5. Evaluate industry methods of unit construction.
- H. Unit VIII. Pressing Techniques
1. Identify pressing tools by name and function.
 2. Evaluate the need for accurate pressing during the construction of a garment.
 3. Use demonstrated pressing techniques to achieve a professionally sewn appearance.
 4. Apply safety techniques when using pressing equipment.
- I. Unit IX. Garment Construction Operations
1. Assemble garments with diverse design details.
 2. Perform operations necessary to construct the following: Buttons and Buttonholes; Collars; Cuffs and Plackets; Darts; Facings; Hems; Pleats and Gathers; Pockets; Seams; Set-in Sleeves; Waistbands; and Zippers.
- J. Unit X. Quality Control
1. Analyze stitching quality control problems such as machine malfunction or operator error.
 2. Evaluate overall excellence or inferiority of sewn garments.
- K. Unit XI. Apparel Findings and Trimmings
1. Differentiate between findings and trimmings.
 2. Select appropriate findings and trimmings based on overall garment design.
 3. Evaluate the decorative creative features of garments in relation to body type
- L. Unit XII. Special Techniques
1. Specify types of fabrics that require special construction techniques. Explain unique construction techniques used with special fabrics and threads.
 2. Express garment performance congruent with textile.

M. Unit XIII. Safety Regulations

1. Evaluate the need for safety regulations.
2. Utilize safety equipment.
3. Follow all federal, state, and local safety regulations that apply.

N. Unit XIV. Industrial Sewing Techniques

1. Identify various industrial machine stitches, including safety stitch, serging, felling, flat felling, bar tacking, and double needle.
2. Classify the various industrial stitches according to their end use.

III. THECB Learning Outcomes (WECM)

1. Examine sewing equipment for apparel construction.
2. Demonstrate measuring techniques.
3. Define clothing construction vocabulary.
4. Cut garments from patterns.
5. Use sewing techniques to assemble selected garments.

IV. Evaluation

- A. Grade percentages for determining course grades may be devised by the individual instructor.
- B. Grading Scale:

A = 93 - 100
 B = 83 - 92
 C = 73 - 82
 D = 68 - 72
 I = INCOMPLETE
 W = WITHDRAWN
 F = BELOW 68

V. Disability Statement (Americans with Disabilities Act [ADA])

EPCC offers a variety of services to persons with documented sensory, mental, physical, or temporary disabling conditions to promote success in classes. If you have a disability and believe you may need services, you are encouraged to contact the Center for Students with Disabilities to discuss your needs with a counselor. All discussions and documentation are kept confidential. Offices located: VV Rm C-112 (831-2426); TM Rm 1400 (831-5808); RG Rm B-201 (831-4198); NWC Rm M-54 (831-8815); and MDP Rm A-125 (831-7024).

VI. 6 Drop Rule

Students who began attending Texas public institutions of higher education for the first time during the Fall 2007 semester or later are subject to a 6-Drop limit for all undergraduate classes. Developmental, ESL, Dual Credit and Early College High School classes are exempt from this rule. All students should consult with their instructor before dropping a class. Academic assistance is available. Students are encouraged to see Counseling Services if dropping because exemptions may apply. Refer to the EPCC catalog and website for additional information.