

# El Paso Community College

## Syllabus

### Part II

## Official Course Description

<b>SUBJECT AREA</b>	<u><b>Fashion Technology</b></u>
<b>COURSE RUBRIC AND NUMBER</b>	<u><b>FSHD 2371</b></u>
<b>COURSE TITLE</b>	<u><b>Apparel Product Development</b></u>
<b>COURSE CREDIT HOURS</b>	<u><b>3    2    :</b></u> <b>Credits   Lec    Lab</b>

### I. Catalog Description

Studies advanced concepts in the development and production of apparel. Instructs in the assessment of production capabilities. Develops skills in sourcing, purchasing, and problem resolution. Emphasizes the use of computers in design, planning and production. **Prerequisites: FSHN 1301 and FSHN 1315 and FSHD 1322 and FSHD 1328 and FSHD 2343. Corequisite: FSHD 2344. (2:2). Lab fee.**

### II. Course Objectives

- A. Unit I. Developing a Line Plan Proposal
  - 1. Determine a target-appropriate structure for wholesale and retail pricing
  - 2. Develop a cost structure for textiles and labor
  - 3. Analyze sketches as they pertain to merchandising a line
  - 4. Establish a merchandising design plan for a collection
  - 5. Read and write grading specifications
  - 6. Develop a sizing system with measurements and grade rule tables
  - 7. Distinguish size ranges by industry standards
  - 8. Implement basic risk management
  - 9. Develop rapport throughout the market channel
  - 10. Discuss solicitation, selling, and closing techniques
  
- B. Unit II. Specifications and Audits
  - 1. Spec a garment
  - 2. Rub off garments, true, manipulate and audit patterns using a Pattern Design System
  - 3. Use grading math skills to develop precise sizes
  - 4. Differentiate relative and incremental grade rules as they relate to product sizing
  - 5. Identify and evaluate quality control tolerances
  - 6. Calculate shrinkage with calculator and computer
  - 7. Read spec sheets and perform pattern audits
  - 8. Report errors immediately
  - 9. Determine seam allowances needed for various industrial sewing machines
  - 10. Identify seam specifications
  - 11. Calculate and record garment or pattern specifications using industry standards
  
- C. Unit III. Product Development
  - 1. Analyze sketches as they pertain to patterns, measurements and tech pack information
  - 2. Demonstrate basic skills in software packages such as Adobe Illustrator

3. Translate information from design concepts to production
  4. Evaluate the decorative creative features of garments in relation to style, aesthetics, labor and cost
  5. Issue style numbers
  6. Create a tech pack
  7. Calculate SAM
  8. Cost bill of materials (BOM)
  9. Determine and test bill of materials
- D. Unit IV. Fabric Evaluation
1. Use terminology common to the industry.
  2. Minimize errors due to misunderstanding of terms
  3. Research textile information
  4. Calculate shrinkage
  5. Evaluate denim in depth
  6. Identify various textile washes
  7. Evaluate textile quality
- E. Unit V. Product Management
1. Demonstrate project management skills
  2. Demonstrate word processing skills
  3. Employ product data management software (e.g. Product Life Management/Product Data Management/Enterprise Resource Planning software)
  4. Build a vendor and contractor database
  5. Compose emails
  6. Maintain communication files, manual and electronic
  7. Develop spreadsheets and formulae
  8. Perform cut order planning
- F. Unit VI. Industrial Equipment
1. Describe functions of cutting equipment
  2. Describe functions of various industrial sewing machines
  3. Describe function of laundry equipment
  4. Match product design to production equipment to determine equipment requirements
- G. Unit VII. Production Capability Assessment
1. Assess production capabilities of various manufacturers
  2. Identify the purpose of a test run
  3. Diagnose production problems
  4. Propose solutions
  5. Evaluate production quality
- H. Unit VIII. Sourcing and Resource Management
1. Use the Internet and industry organizations to research and identify sources of textiles, findings, trim, laundry, dye, and cut/make/trim
  2. Practice computer security, e.g., passwords, downloading
  3. Identify steps in the purchasing process
  4. Source subcontracts
  5. Demonstrate conflict resolution skills
  6. Communicate design in relation to construction capabilities
  7. Track and document textile sources
  8. Practice confidentiality, e.g., sources, styles, trade secrets
  9. Comply with current Consumer Product Safety Commission and Consumer Product Safety Improvement Act laws
  10. Research state laws and regulations on safety compliance, e.g., California, New York, New Jersey

11. Identify basic contract law and work-for-hire in the creative industries
12. Develop labels in compliance with Federal Trade Commission regulations, e.g., care, content, origin
13. Develop labels for manufacturing country of origin
14. Translate industry-specific terminology (English-Spanish)

### **III. THECB Learning Outcomes (WECM)**

Learning outcomes/objectives are determined by local occupational need and business and industry trends.

### **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.