PRODUCT DEVELOPMENT
Course Syllabus

Course Number: APDT-0421  
OHLAP Credit: No
OCAS Code: None  
Course Length: 80 Hours
Career Cluster: Arts, A/V Technology & Communications
Career Pathway: Visual Arts
Career Major(s): Apparel Design Technician

Pre-requisite(s): APDT-0416 Apparel Design; APDT-0417 Custom Sewing Basic; APDT-0415 Textiles; APDT-0419 Custom Sewing Intermediate

Course Description: This course covers creation of a product, cost computation, production planning and job sequencing. In addition, students at this level learn to direct the activities of others, integrate the principles of time management, evaluate performance, and judge quality.

Textbooks:  

Wild Ginger software

Course Objectives:

A. Clothing Production  
1. Discuss the business aspects of apparel production.  
2. Identify the design process.  
3. Establish a merchandizing plan.  
4. Discuss the steps in preparing for production.  
5. Compare the types of production.

B. Product Development  
1. Construct a designer's original.  
2. Compute cost of a product.  
3. Interpret the concepts of "Market".

C. Utilization of Available Resources (Lean Manufacturing)  
1. Organize a work place for efficient work flow.  
2. Create a workable inventory control system.  
3. Integrate principles of time management into job skills.

D. Production Planning  
1. Practice personnel selection for specific jobs.  
2. Oversee production-planning process.  
3. Validate job sequence and work flow charts.

E. Production Guidance  
1. Participate in and oversee construction of product.  
2. Integrate time management skills into production.
3. Judge quality.²
4. Deliver product to customer within deadline.²

F. Careers in Production.¹
1. Fashion Designers.
3. Production management.
4. Sales & distribution.

G. Educational Enhancement Center Math Activities.¹
1. Calculate hours and wages.
2. Calculate piece work.

¹ODCTE objectives
²Priority Academic Student Skills (PASS) – High School Visual Art

Teaching Methods: The class will primarily be taught by the lecture and demonstration method and supported by various media materials to address various learning styles. There will be question and answer sessions over material covered in lecture and media presentations. Supervised lab time is provided for students to complete required projects.

Grading Procedures: 1. Students are graded on theory and shop practice and performance.
2. Each course must be passed with seventy (70%) percent or better.
3. Grading scale: A=90-100%, B=80-89%, C=70-79%, D=60-69%, F=50-59%.

Description of Classroom, Laboratories, and Equipment: Tulsa Technology Center campuses are owned and operated by Tulsa Technology Center School District No. 18. All programs provide students the opportunity to work with professionally certified instructors in modern, well-equipped facilities.

Available Certifications/College Credit: The student may be eligible to take state, national or industry exam after completion of the program. College credit may be issued from Oklahoma State University-Okmulgee or Tulsa Community College. See program counselor for additional information.

College Credit Eligibility: The student must maintain a grade point average of 2.0 or better.