

PALOMAR COLLEGE
COURSE OUTLINE OF RECORD FOR
DEGREE CREDIT COURSE

X Transfer Course X A.A. Degree applicable course
(Check all that apply)

COURSE NUMBER AND TITLE: FASH 146 – Comptr Aided Design (CAD) for Fashion

UNIT VALUE: 3

MINIMUM NUMBER OF SEMESTER HOURS: 96

BASIC SKILLS REQUIREMENTS: Appropriate Language and Computational Skills

ENTRANCE REQUIREMENTS

PREREQUISITE: None

COREQUISITE: None

RECOMMENDED PREPARATION: None

SCOPE OF COURSE:

An introduction to computer aided pattern making for fashion using CAD technology. Hands-on experience with CAD technology to include the following operations: preparing and editing patterns using a digitizing tablet or mouse, storage and retrieval of patterns, and production of fashion industry quality patterns on a plotter.

SPECIFIC COURSE OBJECTIVES:

Successful students will:

1. apply principles for operation of a complete microcomputer CAD station.
2. design and develop industry quality patterns using a CAD computer graphics system.
3. apply principles necessary to produce and plot finished working patterns using a CAD computer graphics system.
4. adjust existing patterns for exact fit.
5. digitize full size and scaled patterns for computer input.
6. create muslin samples to test design and patternmaking skills.

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

- I. Understanding the CAD menus
- II. All two dimensional drawing commands
- III. Drawing set-up procedures
- IV. Basic operating system commands
- V. All editing and viewing commands
- VI. Basic blocks and symbols
- VII. Basic dimensioning
- VIII. Basic text commands
- IX. Basic plotting techniques
- X. Slides and script files
- XI. Digitizing of full size and scaled patterns
- XII. Pattern adjustment principles and techniques
- XIII. Marker principles and techniques
- XIV. Introductory fashion industry grading techniques
- XV. Create muslin samples to test design and patternmaking skills
- XVI. System set-up will be introduced (set-up, menu, and elements of the system)

REQUIRED READING:

Armstrong, Helen Joseph. Patterning for Fashion Design. New York: Harper & Row Publishers Inc., 1999.

SUGGESTED READING:

None.

REQUIRED WRITING:

Designer worksheet, 1 page; garment evaluation and problem-solving, 2 pages.

OUTSIDE ASSIGNMENTS:

Students are expected to spend a minimum of three hours per unit per week in class and on outside assignments, prorated for short-term classes.

Preparation may include such activities as reading in assigned texts or journals in the library. Review of lecture material and assigned exercises.

INSTRUCTIONAL METHODOLOGY:

Check all that apply:

- lecture
- laboratory
- lecture-laboratory combination
- directed study

DISTANCE LEARNING:

This course may be offered as a distance learning course and meets Title 5 regulations 55370, 55372, 55374, 55376, 55378, and 55380.

Yes No

If yes, check all that apply:

- Television Course (Video one-way, e.g. ITV, video cassette, etc.)
- Online Course (Text one-way, e.g. newspaper, correspondence, electronic file, etc.)
- Two-Way Video Conferencing (Two-way interactive video and audio)
- One-Way Video Conferencing (One-way interactive video and two-way interactive audio)
- Computer Assisted Instruction (A specialized form of mediated instruction relying primarily on student access to information and prepared lessons or teaching materials through a computer terminal, but not under immediate supervision of a qualified instructor.)

GRADING POLICY AND STANDARDS (include methods of determining whether the stated objectives have been met by students):

- 60% Weekly or biweekly assignments are submitted and evaluated based on the week's previously provided information and evaluating criteria.
- 25% One midterm examination on approximately the 8th week of the course testing for general knowledge of the subject studied in that interim.
- 15% A comprehensive final examination including written and performance skills related to the subjects presented in the course.

IS COURSE REPEATABLE FOR REASON(S) OTHER THAN DEFICIENT GRADE?

Yes No Number of times course may be taken for credit: 2

If yes, identify specific provision of Title 5 Division 2 section(s), 55761-55763 and 58161 which qualifies course as repeatable: 58161 c,2,A

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SIGNATURES ON FILE: