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Alabama  
Department of  
Postsecondary Education

***Representing Alabama's Public Two-Year College System***

***Jefferson State Community College***

**ART 220**  
**Introduction to Computer Graphics**

- I. ART 220 – Introduction to Computer Graphics - 3 Semester Hours**
- II. Course Description**

This course is designed to acquaint the student with the technology, vocabulary, and procedures used to produce artworks with computers. Emphasis is placed on the fundamentals of art, creativity, and the understanding of various graphics software. Upon completion, students should demonstrate knowledge of computer graphics through production on a graphic program in computer environment.
- III. Prerequisite**

None
- IV. Textbook**

Textbook will be choice of the instructor.
- V. Course Objectives**
  - a. Students will be introduced to basic art and design principles as they relate to computer graphics.
  - b. Students will develop a basic foundation in the use of computer techniques for type and image management using multiple elements of color paint software programs such as Photoshop through the production of original art.
  - c. Students will be introduced to the applications and uses of various types of graphic files, fonts, filters, palettes, layers, and techniques of illustration and image edition.
  - d. Students will develop a fundamental vocabulary of illustration and computer graphics terms through.
  - e. Students will gain knowledge of portfolio production.

## **VI. Course Activities**

Class activities will include lectures and demonstrations of the computer and software functions and students will be shown examples of solutions to assigned projects. Students will have hands-on use of the computer, color scanner, printer and zip drive. Students will periodically display their work for class discussion and critique. With approval of the instructor, students will have their work posted in a gallery on the Jefferson State Web site.

## **VII. Evaluation and Assessment**

Grades will be based on the success and prompt completion of each project, a midterm exam, a final exam, and the contents of a finished portfolio.

Grades will be given based upon A = 90 – 100%, B = 80 – 89%, C = 70 – 79%, D = 60 – 69%, and F = below 60%.

## **VIII. General Course Competencies**

- a. Students will be introduced to basic art and design principles as they relate to computer graphics.
- b. Students will develop a basic foundation in the use of computer techniques for type and image management using multiple elements of color paint software programs such as Photoshop 7.0.
- c. Students will be introduced to the application and uses of various types of graphics files, fonts, filters, palettes, layers, and techniques of illustration and image editing.
- d. Students will develop a fundamental vocabulary of illustration and computer graphics terms.
- e. Students will gain knowledge of portfolio production.

## **IX. Course Competencies stated in Performance Terms**

- a. Students will be introduced to basic art and design principles as they relate to computer graphics through conceptualization, visualization and production of artwork using computer-based methods of problem solving.
- b. Students will develop a basic foundation in the use of computer techniques for type and image management using multiple elements of color paint software programs such as Photoshop 7.0 through the production of original art. Students will be introduced to the applications and uses of various types of graphic files, fonts, filters, palettes, layers, and techniques of illustration and image edition by producing examples of original art that demonstrates appropriate application of these techniques.
- c. Students will develop a fundamental vocabulary of illustration and computer graphics terms through completion of project assignments and presentation of their work to the class.
- d. Students will gain knowledge of portfolio production by preparing their own portfolio for final critique.

**X. Assessment of Instructional Effectiveness**

This section describes how student performance related to specific course objective is used to assess instructional effectiveness in helping students meet Jefferson State's General Education Objectives. This section does not describe how course grades are determined.

The student will be able to:

- a. Use the three Adobe computer graphics programs competently.
- b. Pass at least 2 tests on Graphic Design vocabulary terms.
- c. Speak intelligently and confidently about the motivations and concepts behind the visual solutions they come up with, and speak constructively about the artwork of others, using new vocabulary.

**General Education Objective**

The student will demonstrate effective reading, writing and speaking skills.

Student comprehension of this task will be measure by way of a student vocabulary test and critique of final portfolio.

**Use of Findings**

The instructor will review results and discuss findings with colleagues as needed.

**XI. Attendance**

Students are expected to attend all classes for which they are registered. Students who are unable to attend class regularly, regardless of the reason or circumstance, should withdraw from that class before poor attendance interferes with the student's ability to achieve the objectives required in the course. Withdrawal from class can affect eligibility for federal financial aid.

**XII. Statement on Discrimination/Harassment**

The College and the Alabama State Board of Education are committed to providing both employment and educational environments free of harassment or discrimination related to an individual's race, color, gender, religion, national origin, age, or disability. Such harassment is a violation of State Board of Education policy. Any practice or behavior that constitutes harassment or discrimination will not be tolerated.

**XIII. Americans with Disabilities**

The Rehabilitation Act of 1973 (Section 504) and the Americans with Disabilities Act of 1990 state that qualified students with disabilities who meet the essential functions and academic requirements are entitled to reasonable accommodations. It is the student's responsibility to provide appropriate disability documentation to the College. The ADA Accommodations office is located in FSC 300 (205-856-7731).