

MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE

COURSE OUTLINE

Faculty is required to have the outline submitted to the Academic Affairs Office. The course outline is the form used for approval of new courses by the Academic Affairs and Standards Council.

DEPT. Art COURSE NUMBER: 2230

NUMBER OF CREDITS: 3

COURSE TITLE: Computer Graphics

CATALOG DESCRIPTION : Computer Graphics exposes students to photographic manipulation and applied illustrative techniques using Photoshop. Some topics to be covered are: raster vs. vector images, scanning and editing photographs, using a digital camera, designing and manipulating text to communicate ideas, and drawing basic objects for the purposes of illustration.

AUDIENCE: Students interested in learning about design concepts through the use of computer generated art and graphic design, digital photography and print design.

FULFILLS MN TRANSFER CURRICULUM AREA(S)
Area: 6

by meeting the following competencies:
a,b,c,d,e

PREREQUISITES OR NECESSARY ENTRY SKILLS/KNOWLEDGE: Basic computer skills are required. Reading skills are necessary.

LENGTH OF COURSE : 1 semester

THIS COURSE IS USUALLY OFFERED:

Every other year ☐ fall X☒ spring X☐ summer ☐ undetermined ☐

Four goals are emphasized in course at Minnesota West Community & Technical College:

- 1) ACADEMIC CONTENT: The academic objectives of this course are:
 - a. To gain a familiarity with the formal structuring of graphic arts.
 - b. To gain a confidence in individual creative perception and creation

- c. To understand technical reading and its application in graphic design through the Adobe Photoshop CS5 program.
- d. To gain an understanding of graphic arts vocabulary- The elements of art and Principles of design; Computer technical terminology.

2) **THINKING SKILLS:** This course will help students improve the effectiveness of their thinking skills through

- a. Visual Awareness
- b. Aesthetic evaluation
- C. Critical thinking and Application of these skills
- d. Analysis of the principles and elements of design

3) **COMMUNICATIONS SKILLS:** This course will help students improve their oral and written communication skills through:

- a. A journal of visual responses and visual communication skills
- b. Verbal responses to individual projects
- c. Responding to works through individual and group critiques.

4) **HUMAN DIVERSITY:** This course will help students recognize, understand, and appreciate human diversity through:

- a. Written and verbal response to graphic arts through visual communication in our global economy.
- b. Inner creative thought, imagination, and self-exploration.

TOPICS TO BE COVERED:

Raster vs. vector images

Resolution in print and web design.

Scanning and editing photographs,

Designing and manipulating text to communicate ideas

Drawing basic objects for the purposes of illustration.

Using a digital camera to take images to blend and manipulate imagery
Understanding visual design and the effects on selected audiences

LIST OF EXPECTED COURSE OUTCOMES:

Students will become visually and verbally aware of the importance of design in our modern technological society

Students will learn the language of computer graphics arts and design-including proper use of the elements and principles of design

Students will learn how culture influences art and design,

Students will learn the importance of designing for an intended audience

Students will learn the tools, techniques and processes of Adobe Photoshop CS5, with application of these skills to real life design jobs.

LEARNING/TEACHING TECHNIQUES used in the course are:

- | | |
|---|---|
| x <input type="checkbox"/> Collaborative Learning | x <input type="checkbox"/> Problem Solving |
| <input type="checkbox"/> Student Presentations | x <input type="checkbox"/> Interactive Lectures |
| x <input type="checkbox"/> Creative Projects | x <input type="checkbox"/> Individual Coaching |
| <input type="checkbox"/> Lecture | x <input type="checkbox"/> Films/Videos/Slides |
| x <input type="checkbox"/> Demonstrations | x <input type="checkbox"/> Other (describe below) |
| x <input type="checkbox"/> Lab | Guest Speakers/Trips |

ASSIGNMENTS AND ASSESSMENTS FOR THIS CLASS INCLUDE:

- | | | |
|---|-------------------------------------|---|
| x <input type="checkbox"/> Reading | x <input type="checkbox"/> Tests | x <input type="checkbox"/> Individual Projects |
| <input type="checkbox"/> Oral Presentations | <input type="checkbox"/> Worksheets | x <input type="checkbox"/> Collaborative Projects |
| x <input type="checkbox"/> Textbook Problems | <input type="checkbox"/> Papers | <input type="checkbox"/> Portfolio |
| x <input type="checkbox"/> Group Problems | <input type="checkbox"/> Term Paper | |
| x <input type="checkbox"/> Other (Journal/Sketchbook) | | |

EXPECTED STUDENT LEARNING OUTCOMES:

Students will become proficient in the use of Adobe Photoshop for the purpose of graphic design, and photo enhancements.

Students will become visually and verbally aware of key concepts used in computer graphic arts and design.

Students will learn how current trends in advertisement and design affect consumer trends in sales and marketing.

Students will become familiar with graphic art designers of past and present

Veteran Services: Minnesota West is dedicated to assisting veterans and eligible family members in achieving their educational goals efficiently. Active duty and reserve/guard military members should advise their instructor of all regularly scheduled military appointments and duties that conflict with scheduled course requirements. Instructors will make every effort to work with the student to identify adjusted timelines. If you are a veteran, please contact the Minnesota West Veterans Service Office.

The information in this course outline is subject to revision

To receive reasonable accommodations for a documented disability, please contact the campus Student Services Advisor or campus Disability Coordinator as arrangements must be made in advance. In addition, students are encouraged to notify their instructor.

This document is available in alternative formats to individuals with disabilities by contacting the Student Services Advisor or by calling 800-658-2330 or Minnesota Relay Service at 800-627-3529 or by using your preferred relay service.

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