

COURSE PREFIX/NO: CPT 160
COURSE TITLE: DIGITAL VECTOR GRAPHICS I
LEC HRS/WEEK: 3.0
LAB HRS/WEEK: 0.0
CREDIT HRS/SEMESTER: 3.0

[Distance Learning Attendance/VA Statement](#)
[Textbook Information](#)

COURSE DESCRIPTION

This course is a study of the principles, terminology, techniques and tools used in vector computer graphics software to create and modify electronic art. Topics include selection tools, drawing paths, creating shapes, adding type, applying transformations, and managing layers.

COURSE COMPETENCIES

Upon successful completion of this course, a student should be competent to perform the following tasks:

Module 1: Work Area, Selections and Shapes

- Create several groups of objects using the move tool in a layout.
- Demonstrate the use of basic work area tools and palettes.
- Demonstrate several ways to select objects and how to change their original form.

Module 2: Transforming Objects and Drawing with the Pen Tool

- Demonstrate how to place an object using 'x' and 'y' coordinates.
- Create an object and then make changes in that object using transform tools.
- Demonstrate the use of the pen tool by creating a portrait using only lines.

Module 3: Color, Painting and Working with Type

- Demonstrate how to scan a hand drawing into a workable vector document.
- Create examples of fill areas in a work and then fill with specific colors.
- Demonstrate how type can be colored and shaped to an object.

Module 4: Layers and Blending Shapes

- Demonstrate how to compose an image using layer management techniques.
- Create several examples of shapes blending into another shape.
- Illustrate how to use layer naming conventions that will assist with layer management.

Module 5: Symbols, Brushes and Scribbles

- Demonstrate how to create a symbol and reuse that symbol several times.
- Create several examples with varying thicknesses and shapes using the painting tool.
- Illustrate how to create a drawing by changing the settings for art brushes.

COURSE REQUIREMENTS

All students are responsible for attaining competencies through completion of the following course requirements:

- attending class
- bringing required media and text to class
- completing all exams and quizzes

- completing assigned exercises in class or outside of class
- completing lab assignments and digital portfolio (PowerPoint)
- reading assigned materials, in text or on the Internet

ATTENDANCE POLICY

The attendance policy as stated in the *York Technical College Catalog and Handbook* will be enforced. Attendance is required on test days unless the student has a doctor's excuse, death notice, etc., indicating an unusual circumstance for absence. If a student knows that he/she must be absent on a test day, the student should make arrangements with the instructor to take the test before the absence.

ACADEMIC INTEGRITY

The policies stated in the *York Technical College Catalog and Handbook* will be enforced. Any student violating the policy will be subject to academic discipline. Anyone caught cheating will automatically get a grade of zero for the assignment.

EVALUATION STRATEGIES/GRADING PROCEDURE

An electronic portfolio of completed collected class examples will be evaluated. The summation of quizzes, portfolio development, mid-term, and final examination determines the final semester grade as described below. A minimum grade of "C" is required for the Digital Design Certificate.

GRADING

Module 1

Test	8%
Quizzes and Project(s)	5%
Keystone Content	7%

Module 2

Test	8%
Quizzes and Project(s)	5%
Keystone Content	7%

Module 3

Test	8%
Quizzes and Project(s)	5%
Keystone Content	7%

Module 4

Test	8%
Quizzes and Project(s)	5%
Keystone Content	7%

Module 5

Test	8%
Quizzes and Project(s)	5%
Keystone Content	7%

GRADING SCALE

- A = 90-100
- B = 80-89
- C = 70-79
- D = 60-69
- F = Below 60

ENTRY-LEVEL SKILLS

The student should be familiar with basic PC operation. The student must be able to read and comprehend assigned material.

PREREQUISITES: None

CO-REQUISITE: ARV 121 recommended

Disabilities Statement: Any student who feels s/he may need an accommodation based on the impact of a disability should contact the Special Resources Offices (SR) at 803-327-8007 in the 300 area of Student Services. The SRO coordinates reasonable accommodations for students with documented disabilities.