

COURSE INFORMATION

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, & Transforming Objects

- Define vector and how it differs from raster.
- Create several groups of objects using the move tool in a layout.
- Demonstrate the use of basic work area tools and palettes.
- Create groups and be able to select individual parts of a group.
- Demonstrate several ways to select objects and how to change their original form.
- Demonstrate how to place an object using 'x' and 'y' coordinates.
- Create an object and then make changes in that object using transform tools.

Module 2: The Pen Tool & Color

- Demonstrate how to create straight and curved paths with the Pen Tool.
- Add and Delete anchor points along a path.
- Create closed paths that can be filled.
- Manipulate directional handles of anchor points.
- Demonstrate how to scan a hand drawing into a workable vector document.
- Edit swatches and access the swatch libraries.
- Create Live Paint Objects and fill appropriate sections with color.

Module 3: Working with Type Layers and Symbols

- Demonstrate how type can be colored and shaped to an object.
- Create columns of text and understand text flow.
- Learn to apply character and paragraph formatting.
- Demonstrate how to compose an image using layer management techniques.
- Illustrate how to use layer naming conventions that will assist with layer management.
- Demonstrate how to create a symbol and reuse that symbol several times.
- Create and manipulate effects that are applied to objects.
- 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

A minimum grade of C is required for the Digital Design Certificate.

GRADING SCALE

<u>Module 1</u>		<u>Final Project</u>		<u>GRADING SCALE</u>
Test(s)	5%	Project(s)	35%	A = 90-100
Project(s)	15%	Presentation	5%	B = 80-89
				C = 70-79
				D = 60-69
				F = Below 60
<u>Module 2</u>				
Test(s)	5%			
Project(s)	15%			
<u>Module 3</u>				
Test(s)	5%			
Project(s)	15%			

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

RECOMMENDED CO-REQUISITES: ARV 121

DISABILITIES STATEMENT

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