

COURSE INFORMATION

COURSE PREFIX/NO: **ARV 110**
COURSE TITLE: **COMPUTER 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 fundamentals of computer assisted graphic design.

COURSE COMPETENCIES

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

Module 1: Photoshop Workspace, Scanning & Working with Images

- Identify the basic functions of the Photoshop work area.
- Define the tools and their basic function in the Toolbox bar.
- Scan original photographs.
- Demonstrate the ability to modify image size and resolution.
- Define and compare the differences between image modes.
- Create documents requiring the use of painting and editing tools.
- Modify curves and histograms to improve an image's color

Module 2: Selections & Layers

- Select and modify a portion of an image to be copied and placed in another layer.
- Move and duplicate the contents of a selection.
- Add to and subtract from a selection.
- Use multiple selection tools to make complex selections.
- Create, label, and sequentially organize layers.
- Illustrate how a layer can be duplicated, deleted, closed, and opened.
- Illustrate the use of layer properties to control image attributes.

Module 3: Masks, Channels, & Digital Photographs

- Create a mask that defines a selection in an image with clean edges.
- Use channels to make specific image corrections.
- Illustrate how to extract parts of an image and place them in a composite.
- Use filters to change an image with specific settings.
- Process camera raw images and make adjustments
- Employ tools to color-correct flaws in images.
- Create pattern swatches and use them to correct problem areas in an image.

COURSE REQUIREMENTS

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

- A. Attend class on time.
- B. Bring required storage media and text to class.
- C. Submit completed projects.

- D. Complete all tests.
- E. Complete assigned exercises in class or outside of class.
- F. Complete lab assignments and digital portfolio (PowerPoint).
- G. Read assigned material in text and 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 0 grade 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
<u>Module 2</u>				C = 70-79
Test(s)	5%			D = 60-69
Project(s)	15%			F = 0-59
<u>Module 3</u>				
Test(s)	5%			
Project(s)	15%			

PREREQUISITES

ENG 100 and RDG 100 or equivalents – minimum grade of C

CO-REQUISITES

AOT 162 and ARV 123

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.