

## **COURSE INFORMATION**

COURSE PREFIX/NO: **CPT 252**  
COURSE TITLE: **DIGITAL ANIMATION**  
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 the study of basic aspects of computer animation. Topics include frame-by-frame animation, motion paths, tweening, import and export of objects, including web integrated export, morphing, layering, and creating special effects for web use.

## **COURSE COMPETENCIES**

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

### **Module 1: Introduction to Flash and Animation.**

- Identify the basic tools and workspace options in Flash.
- Manage keyframes and layers within the timeline.
- Import bitmaps and vector drawings from other software.
- Construct shapes using the drawing tools and drawing modes within Flash.
- Create and edit text, graphic symbols, and movie clips.

### **Modules 2: Creating and Articulating Animation**

- Animate the position, scale, and rotation of objects.
- Animate the transparencies and special effects of objects.
- Apply and adjust the paths of motion tweens.
- Animate objects in a three-dimensional space.
- Create shape tweens.

### **Module 3: Buttons, Sound, Video, and Publishing**

- Create buttons and add sound to buttons.
- Write ActionScripts to create animation.
- Import and edit sound and video.
- Control movie clips through ActionScripts.
- Publish swf and html files from Flash files.

## **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 tests and projects
- completing assigned exercises in class or outside of class
- completing lab assignments and digital portfolio (PowerPoint)
- reading assigned material, 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	5%	Project	35%	A = 90-100
Project(s)	15%	Presentation	5%	B = 80-89
				C = 70-79
				D = 60-69
				F = Below
<u>Module 2</u>				
Test	5%			
Project(s)	15%			
<u>Module 3</u>				
Test	5%			
Project(s)	15%			

### **ENTRY-LEVEL SKILLS**

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

### **PREREQUISITES**

ARV 121, ARV 210, CPT 160, and MAT 150 – Minimum grades of “C”

### **CO-REQUISITES**

None

### **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.