

# Common Course Outline

**ARTD 150**

**Animation**

**3 Semester Hours**

## The Community College of Baltimore County

### Description

**ARTD 150 – 3 Credits –Animation** explores the application software, concepts, and skills required to design and create both frame-based and time-based animation. Topics include storyboarding, transitions, character hierarchy/structure, masks, typographic animation and audio synchronization. Creativity and effective visual design are emphasized.

**3 credits; 2 lecture hours; 3 laboratory hours per week**

**Prerequisite: ARTD 116 and ARTD 140 or permission of program coordinator**

### Overall Course Objectives

Upon successful completion of the course the student should be able to:

1. differentiate between tweening and keyframes;
2. create realistic timing and movement;
3. create typographic animations and transitions;
4. use masks effectively in animation sequences;
5. create a simple walk cycle for a character;
6. understand and implement character hierarchy;
7. develop basic interactive controls;
8. manipulate timelines and frame rates within an animation;
9. synchronize assets with an audio soundtrack;
10. discuss the history, process, and methods of animation.

### Major Topics

- I. Frame based and time based animation
- II. Keyframes
- III. Timeline manipulation
- IV. Primary vs. secondary animation
- V. Path based motion
- VI. Tweening basics
- VII. Character hierarchy/structure
- VIII. Transitions
- IX. Typographic animation
- X. Using masks in animation
- XI. History of animation
- XII. Audio synchronization
- XIII. Storyboarding
- XIV. Production pipeline / pre- and post-production

### **Course Requirements**

Grading/Exams: Grading procedures will be determined by the individual faculty member but will include the following:

A minimum of 4 completed animation projects, one of which uses sound

A mid-term

final project

Writing: The individual faculty member will determine specific writing assignments.

### **Other Course Information**

This course is taught in a computerized environment.

Individual faculty members may include additional course objectives, major topics, and other course requirements to the minimum expectations stated in the Common Course Outline.

Revised: 02/13