

COURSE OUTLINE

ARTT-271

Multimedia Authoring and Design II

3 Semester Hours

HOWARD COMMUNITY COLLEGE

Description

This course will include the more advanced skills in authoring for CD-ROM: conceptualize, storyboard and design for multimedia projects. Students will work with software such as Macromedia Director. Prerequisite: ARTT-270 or MASS-270. (4 hours weekly) NOTE: Also listed as MASS-271.

Overall Course Objectives

Upon completion of this course, the student will be able to:

1. Design advanced interactive environments for CD-ROMs.
2. Design advanced Shockwave movies for use on the World Wide Web.

Major Topics

- I. Elements of Animation
 - A. Sprites
 - B. Registration points
 - C. Real-time recording
 - D. Step recording animation
 - E. Segment manipulation
 - F. Ink effects
- II. Multimedia
 - A. Creating cast members
 - B. Text tool
 - C. Lasso tool
 - D. Creating multiple cast members
 - E. Making film loops
 - F. Choreographing sprites and loops
 - G. Using the tempo channel
 - H. Adding sound
 - I. Using transition channel
- III. Interactivity
 - A. Adding scripts to the score
 - B. Building buttons
 - C. Nonlinear interactivity
 - D. Create projector feature

- IV. Lingo Logic
 - A. Object-orientation
 - B. Messaging and hierarchy
 - 1. Primary event handlers
 - 2. Sprite scripts
 - 3. Cast member scripts
 - 4. Frame scripts
 - 5. Movie scripts
 - C. Passing events
 - D. Writing custom handlers
 - E. Lingo menu
 - F. Puppet condition
 - G. Properties
 - H. Variables

- V. More Lingo
 - A. User feedback and control
 - B. Scripting with rollOver
 - C. Scripting with timeout properties
 - D. Scripting idle event handlers
 - E. Using cursor commands
 - F. Constraining sprite movement
 - G. Using alert boxes
 - H. Installing menus
 - I. Working with lists
 - J. Parent-child objects

- VI. Advanced Director Techniques
 - A. Working with multiple movies
 - B. Advanced graphics
 - C. Working with digital audio and video
 - D. Further production tools
 - E. Xtras and Xobjects
 - F. Maximizing performance
 - G. Mastering CD-ROMs

Course Requirements

Grading/exams: Grading procedures will be determined by the individual faculty member but will include two quizzes or exams and at least one creative lab activity.

Other Course Information

This course is a Humanities and an Arts and Science elective.