

Common Course Outline
MULT 211
Digital Audio & Digital Video
3 Semester Hours

The Community College of Baltimore County

Description

Digital Audio/Video

Explores the use of video and sound editing software to create digital productions incorporating still digital media, motion media capture, logo generation, non linear editing and other special effects and transitions appropriate for specialized productions and web streaming.

Prerequisite: MULT 109 and MULT 121 or consent of the instructor

Overall Course Objectives

Upon successfully completing the course students will be able to:

1. Identify video and production terminology for digital and analog production.
2. Use software tools to capture video from VHS tape or digital source.
3. Incorporate still images into productions.
4. Develop project goals and assessments including treatments, locations, talent, scripts, etc...
5. Apply filters and transitions to video clips.
6. Use sound and sound editing channels to enhance video productions.
7. Identify ways to incorporate text/character animation to production.
8. Use correct camera techniques to produce quality clips, frames, and sequences.
9. Discuss copyright issues related to original works of art.
10. Use video design concepts and apply them in critiques.
11. Apply team concepts to large scale corporate style projects.
12. Stream and import video for web productions.
13. Conversion from digital to analog/VHS.
14. Incorporate converted nonlinear video with analog video and sound.

Major Topics

I. Introduction to digital video

- A. Sources of images
- B. Imaging software
- C. History of the VHS/analog media.

II. Copyright issues

- A. Legal definitions
- B. Traditional copyright
- C. Courts and the digital age
- D. Researching current court cases

III. Roles In Video Production.

- A. The Director.
- B. The Producer
- C. The Expert

D. The Camera person

E. The Grip

IV. Organizing a production.

A. Needs assessment/Goal setting

B. Categories for productions.

C. Video/shot logging

D. Reviewing Media

E. Collecting Resources

F. Reviewing and assessing Goals/Refining productions

V. Software Basics

G. Sequencer

H. Canvas

C. Palettes

D. filters/transitions

Importing video graphic and sound.

VI. Video recording of shots and scenes.

A. camera angles

B. Lighting Techniques

C. Treatment issues

D. Subject/talent preparation/scripts

VII. Video Digitizing

A. Compression and colors.

B. Frame rate and optimization.

C. Organizing the sequence of events.

D. Optimizing and maximizing screen management.

VIII Incorporation of Sound.

A. Sound Compressions

B. Sound Channels

C. Sound types and audio effects.

IX. Using a combination of packages

A. Graphic programs

B. Animation Programs

C. Transporting images

X. Color and Text

A. Historical

B. Messages conveyed

C. Modern interpretations

D. Color corrections

XI. Special Effects

A. Transitions

B. Filters

C. Still Graphics

D. Animating graphics/Blue screening technology.

XII. Conversions

A. Digital to Analog

B. Slicing Video for web.

C. Analog A/V mixing.

Course Requirements

Grading: Grading procedures will be determined by the individual faculty member, will be provided the first week of class, and will include the following:

1. At least three computer Projects: Students will work in teams to produce corporate-styled projects, as approved by the instructor.
2. At least two Tests, Exams, and/or Quizzes: Individual faculty will notify students of the testing procedures to be used.
3. Comprehensive Final Exam: The course will include a comprehensive final exam, which may include a final project.
4. Final Grades: Grades will be determined by individual faculty members.

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

The Community College of Baltimore County is committed to providing a high-quality learning experience that results in growth in knowledge, attitudes, and skills necessary to function successfully as a transfer student, in a career and as a citizen. To accomplish this goal, we maintain high academic standards and expect students to accept responsibility for their individual growth by attending classes, completing all homework and other assignments, participating in class activities and preparing for tests.

We take seriously our responsibility to maintain high-quality programs and will periodically ask you to participate in assessment activities to determine whether our students are attaining the knowledge, attitudes and skills appropriate to various courses and programs. The assessment activities may take many different forms such as surveys, standardized or faculty-developed tests, discussion groups or portfolio evaluations. We ask that you take these activities seriously so that we can obtain valid data to use for the continuous improvements of CCBC's course and programs.