

San Bernardino Valley College  
Curriculum Approved: February 24, 2003  
Last Updated: February 19, 2003

**I. CATALOG DESCRIPTION:**

A. Department Information:

Division: Humanities  
Department: Radio/Television/Film  
Course ID: RTVF 231  
Course Title: Advanced Video Production  
Units: 3  
Lecture: 1 Hour  
Laboratory: 6 Hours  
Prerequisite: RTVF 131

B. Catalog and Schedule Description: In this second-level course students plan, produce, write, shoot, and edit television programs using both studio production and single video camera and editing equipment. The course includes hands on experience using remote video cameras, and linear and nonlinear editing equipment. Students will create their own video production, and assist other students in creating their projects. Students are not required to have their own camera.

**II. NUMBER OF TIMES COURSE MAY BE TAKEN FOR CREDIT: ONE**

**III. EXPECTED OUTCOMES FOR STUDENTS:**

Upon completion of this course, students will be able to demonstrate proficiency in the following areas:

A. Recognize and demonstrate the effective use of advanced production language:

1. Lenses

- a) Focal length
- b) Perspective
- c) Lens speed
- d) Lens mounts
- e) Filters
  - i. ND
  - ii. Effects
- f) CCD
- g) Video resolution
- h) White balancing
- i) Pan heads
- j) Time code
- k) On-line editing
- l) Off-line editing

B. Plan a field shoot, including location surveys, selecting camera and talent positions, on-location audio and lighting concerns.

C. Write a script for a remote video production with on camera talent, B-roll, and natural sound. The final production will be between 3 and 5 minutes in length.

D. Perform the responsibilities of field producer, field director, camera operator, video editor, and production assistant by working on their own and at least three other student projects.

E. Demonstrate knowledge of audio and video quality control on location.

F. Establish and maintain video quality on student productions.

G. Properly use distance, speed and perspective changes, focus controls, gain, shutter speed, iris, black and white levels, white and black balance, various filters and camera effects such as strobe, still store, etc.

H. Properly clean the lens of cameras used before and after shoots.

I. Properly follow the guidelines for composition.

J. Identify and solve the potential problems and solutions for location audio and lighting.

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- K. Edit a video project using nonlinear editing techniques.
- L. Follow ethical and legal guidelines of video production, including copyright violations.
- M. Combine video roll-ins from field productions into a live studio production.

#### **IV. COURSE CONTENT:**

- A. Planning a remote location shoot.
- B. Writing a script for a remote location shoot.
- C. Creating a storyboard.
- D. Producing and directing a remote location shoot.
  - 1. Using lenses
  - 2. Proper composition
  - 3. Pre-production planning
- E. Nonlinear editing techniques
  - 1. Capturing digital or analog audio and video
  - 2. Using a timeline
  - 3. Adding effects
  - 4. Rendering video
  - 5. Exporting
- F. Planning complex location shoots
- G. Finding non-copyrighted materials
- H. Creative use of effects
- I. Creating web-compatible files
- J. Using keyboard shortcuts for advanced functions
- K. Utilizing edited footage in a live studio production.

#### **V. METHODS OF INSTRUCTION:**

- A. Lecture is combined with discussion/debate on the relevant points in each subject area.
- B. Additional content may be provided through field trips, guest speakers, and multimedia presentations, including video- and audiotapes, and computer demonstrations may be used to enhance the classroom experience.
- C. Students are encouraged to study outside resources to bring current events into the discussions
- D. Every class consists of extensive hands-on instruction with digital and analog cameras, digital editing systems, and A/D and D/A conversion techniques. Students are required to shoot, convert, edit, and export a variety of digital video productions.
- E. Explanations and sample handouts are given for all paperwork needed to complete projects.
- F. Demonstrations are given on equipment, and students are given extensive hands-on projects to complete within the class period.
- G. Students are expected to do research on current technologies.

#### **VI. EVALUATION:**

- A. Method: Instructors will select at least three of the following:
  - 1. Students will be asked to demonstrate their knowledge through written tests, quizzes, and examinations.  
SAMPLE QUESTIONS
    - a) What is the purpose for neutral density filters? When and why would you use one?
    - b) What is a jump cut, and how can you avoid it?
    - c) Name and describe three types of digital video effects.
    - d) Define 'firewire': in what instances would it be necessary, in what instances would it not function?
    - e) Write out the correct director cues for rolling b-roll footage into a studio production.
  - 2. Students write evaluations of products, including evaluating technical information from advertisements for digital equipment and current articles on relevant topics.
  - 3. Students' video projects will be evaluated on technical and aesthetic quality of the project

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elements as well as the finished project.

B. Frequency

1. Written tests, quizzes, and examinations: at the discretion of the instructor, but at least once during the semester
2. In-class discussions of video/computer demonstrations; at the discretion of the instructor
3. Written evaluations of products, including evaluating technical information from advertisements for digital equipment and current articles on relevant topics: at the discretion of the instructor, but at least once during the semester.
4. Students may be asked to give a presentation on a topic related to digital video at the discretion of the instructor.
5. Students will be given laboratory projects that are evaluated while in progress and upon completion.

**VII. TYPICAL TEXT(S):**

Video Field Production and Editing Published by Allyn & Bacon, Compesi, Ronald. 6<sup>th</sup> Ed. ISBN: 0205350976; 2002.

Video Field Production by Whittaker, Ron. Published by Mayfield Publishing Company, 2<sup>nd</sup> Ed. ISBN: 155934444X; November 1995.

Television Production Handbook by Zettl, Herbert. 7<sup>th</sup> Ed. Published by Wadsworth Pub Co, ISBN: 0534260586; August 1999.

**VIII. OTHER SUPPLIES REQUIRED OF STUDENTS:**

Students may be required to provide headsets, zip disks, CD-Rs, or video tape for class projects.