Video Production I

Exam Information

Exam Number
592

Items
38

Points
41

Prerequisites
None

Recommended Course Length
One Semester

National Career Cluster
Arts, A/V Technology, & Communications

Performance Standards
Included (Optional)

Certificate Available
Yes

Description
This course is designed to provide students with the basic knowledge and skills related to the video production industry. This includes instruction and hands-on assignments in the following areas: camera operation, audio systems, lighting systems, pre-production, studio operations, control room operations, visual effects and graphics, and copyright laws.

Exam Blueprint

<table>
<thead>
<tr>
<th>STANDARD</th>
<th>PERCENTAGE OF EXAM</th>
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</thead>
<tbody>
<tr>
<td>1 - Pre-Production</td>
<td>7%</td>
</tr>
<tr>
<td>2 - Camera Operation</td>
<td>39%</td>
</tr>
<tr>
<td>3 - Recording and Editing Audio</td>
<td>15%</td>
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<tr>
<td>4 - Basic Lighting Principles</td>
<td>15%</td>
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<tr>
<td>5 - Post-Production</td>
<td>22%</td>
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<tr>
<td>6 - Copyright Laws, Ethics, and Legal Issues</td>
<td>2%</td>
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<tr>
<td>7 - Professional Skills (Optional)</td>
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</table>
STANDARD 1
STUDENTS WILL BE ABLE TO UNDERSTAND AND DEMONSTRATE THE PROCESS OF PRE-PRODUCTION.

Objective 1  Demonstrate understanding of basic storytelling principles, including:
   1.  People, Place, Plot, Purpose

Objective 2  Create a storyboard

Objective 3  Organize and plan production, including:
   1.  Shot List
   2.  Shoot Schedule
   3.  Crew and cast responsibilities

Standard 1 Performance Evaluation included below (Optional)

STANDARD 2
STUDENTS WILL BE ABLE TO UNDERSTAND AND DEMONSTRATE THE CORRECT OPERATION OF THE CAMERA.

Objective 1  Identify the basic functions of the main parts of a camera, including:
   1.  Image Sensors
   2.  Lens Body
   3.  Viewfinder

Objective 2  Demonstrate understanding of basic camera operations, including:
   1.  Focus
   2.  White balance, both indoors and outdoors
   3.  Basic exposure involving the iris/aperture and shutter speed
   4.  Recording settings
      1.  Format
      2.  Current camera resolutions (720, 1080, 4K, etc.)
      3.  Appropriate frame rates and their uses

Objective 3  Demonstrate proper use of camera supports, including:
   1.  Tripod
   2.  Monopod

Objective 4  Identify and demonstrate effective shot composition (Framing)
   1.  Rule of thirds
   2.  Nose room vs. Lead room
   3.  Head room
   4.  Two shot

Objective 5  Identify and demonstrate effective use of various shot selections, including:
   1.  Wide or long (LS)
   2.  Medium (MS)
   3.  Close up (CU)
   4.  Extreme close up (ECU)
Objective 6 Identify and demonstrate effective use of various camera movements, including:
1. Pan
2. Truck
3. Dolly
4. Arc
5. Pedestal
6. Tilt
7. Zoom

Objective 7 Identify and demonstrate effective use of various camera angles, including:
1. High Angle
2. Eye level
3. Low Angle

Standard 2 Performance Evaluation included below (Optional)

STANDARD 3
STUDENTS WILL BE ABLE TO UNDERSTAND AND DEMONSTRATE PROCEDURES FOR RECORDING AND EDITING AUDIO.

Objective 1 Identify various types of microphones and filters and demonstrate appropriate use of each:
1. Microphone types
   1. Lavaliere
   2. Handheld mic
   3. Shotgun/Boom mic
2. Filters
   1. Pop filter
   2. Wind screen

Objective 2 Demonstrate effective editing of audio recordings
1. Identify and set appropriate audio levels for different audio types:
   1. Dialogue
   2. Sound effects
   3. Music
   4. Clipping
2. Understand and demonstrate effective control of ambient sound

Objective 3 Identify and use various audio connectors, including:
1. XLR
2. 1/8” mini plugs [stereo & mono]

Standard 3 Performance Evaluation included below (Optional)

STANDARD 4
STUDENTS WILL BE ABLE TO UNDERSTAND AND DEMONSTRATE KNOWLEDGE OF BASIC LIGHTING PRINCIPLES.
Objective 1  Demonstrate understanding of three-point lighting and its components:
   1. Key Light
   2. Fill Light
   3. Back or Halo Light

Objective 2  Setup and use lighting appropriately for various situations, including:
   1. Natural vs. Artificial Light
   2. Chroma key

Standard 4 Performance Evaluation included below (Optional)

STANDARD 5
STUDENTS WILL BE ABLE TO UNDERSTAND AND DEMONSTRATE THE PROCESS OF POST-PRODUCTION.

Objective 1  Demonstrate appropriate file management and archiving processes:
   1. Transferring
   2. Organizing
   3. Naming

Objective 2  Demonstrate effective editing workflows:
   1. Preview media
      1. Trim
   2. Rough Cut
      1. Cuts
      2. Transitions
   3. Tighten sequence
   4. Filters/Effects
      1. Graphics and Titles
      2. Keyframe Animation
      3. Chroma Key
   5. Export

Objective 3  Understand and demonstrate effective output of media:
   1. Understand and use appropriate settings for desired output (i.e., web, mobile, movie screen, TV, etc.)
      1. Codecs (h.264, ProRes, XAVC, etc.)
      2. Containers (.MP4, .MOV, etc.)
      3. Resolutions (720, 1080, 4K, etc.)
   4. Frame per second

Standard 5 Performance Evaluation included below (Optional)

STANDARD 6
STUDENTS WILL BE ABLE TO UNDERSTAND AND PRACTICE COPYRIGHT LAWS, ETHICS AND LEGAL ISSUES AS IDENTIFIED IN UNITED STATES CODE TITLE 17 CHAPTER 1 SECTION 101.
Video Production I

Objective 1  Define copyright, public domain, fair use, creative commons, and ethics.
Objective 2  Practice ethics and rules governing photojournalism.
    1. Fair use
    2. Time limitations
    3. Copying and distribution limitations

Standard 6 Performance Evaluation included below (Optional)

STANDARD 7
STUDENTS WILL GAIN AN UNDERSTANDING OF VIDEO PRODUCTION AS A PROFESSION AND WILL DEVELOP PROFESSIONAL SKILLS FOR THE WORKPLACE.

Objective 1  As a participating member of the SkillsUSA student organization, complete the SkillsUSA Level 1 Professional Development Program.
    1. Complete a self-assessment inventory and identify individual learning styles.
    3. Determine individual time-management skills.
    4. Define future occupations.
    5. Define awareness of cultural diversity and equity issues.
    6. Recognize the benefits of conducting a community service project.
    7. Demonstrate effective communication skills with others.
    8. Participate in a shadowing activity.
    9. Identify components of an employment portfolio.
   10. Demonstrate proficiency in program competencies.
   11. Explore what is ethical in the workplace or school.
   12. Master a working knowledge of SkillsUSA.
       1. State the SkillsUSA motto.
       2. State the SkillsUSA creed.
       3. Learn the SkillsUSA colors.
       4. Describe the official SkillsUSA dress.
       5. Describe the procedure for becoming a SkillsUSA officer.

Objective 2  Understand the use of the skills obtained in this field of study and how they relate to career opportunities.

Objective 3  Display a professional attitude toward the instructor and peers.

Standard 7 Performance Evaluation included below (Optional)
Video Production I Performance Standards (Optional)

Performance assessments may be completed and evaluated at any time during the course. The following performance skills are to be used in connection with the associated standards and exam. To pass the performance standard the student must attain a performance standard average of **8 or higher** on the rating scale. Students may be encouraged to repeat the objectives until they average **8 or higher**.

Students Name_________________________________________________________________

Class_______________________________________________________________

**Performance Rating Scale**

<table>
<thead>
<tr>
<th>Score</th>
<th>Performance Rating</th>
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<tbody>
<tr>
<td>10</td>
<td>High Skills</td>
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<tr>
<td>8</td>
<td>Moderate Skills</td>
</tr>
<tr>
<td>6</td>
<td>Limited Skills</td>
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**STANDARD 1 Pre-Production**

- Understand and demonstrate pre-production (field/studio)

**STANDARD 2 Camera Operation**

- Understand and demonstrate camera operation

**STANDARD 3 Recording and Editing Audio**

- Understand and demonstrate audio systems and how they are used
- Understand and demonstrate knowledge of the function of various cables and connectors

**STANDARD 4 Basic Lighting Principles**

- Understand and demonstrate lighting systems and how they are used

**STANDARD 5 Post-Production**

- Understand and demonstrate post-production
- Understand and demonstrate visual effects and graphics

**STANDARD 6 Copyright Laws, Ethics, and Legal Issues**

- Understand and practice copyright laws, ethics, and legal issues dealing with photography as identified in United States Code Title 17 Chapter 1 Section 101

**STANDARD 7 Professional Skills**

- Understanding of Video Production as a profession and will develop professional skills for the workplace

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PERFORMANCE STANDARD AVERAGE SCORE:

Evaluator Name ____________________________________________________________

Evaluator Title _____________________________________________________________

Evaluator Signature ________________________________________________________

Date ______________________________________________________________________