

Film Photography

Exam Information	Description
Exam number 535 Items 77 National Career Cluster Arts, A/V Technology, & Communication Certification available Yes	The Film Photography industry certification exam assesses learners on using artistic techniques combined with a commercial perspective to communicate ideas and information effectively to business and consumer audiences via black and white photography. The exam includes specialized camera and equipment operation, film processing, dark room procedures, maintenance, applications to commercial and industrial needs, and photography business operations. Basic equipment requirements for this certification are 35mm film cameras, black & white 35mm film, film developing tanks, reels, proper chemistry, and a darkroom equipped with enlargers, trays, necessary paper, chemistry, and supplies. These requirements are essential for meeting the exam standards.

Exam Blueprint and Performance Skills

Standard	Percentage of exam score
1. Commercial Photography in the Workplace	4%
2. Safe Practices & Housekeeping Duties	3%
3. Camera Operations	23%
4. Photography Techniques in Subjects	5%
5. Black & White Film Characteristics	15%
6. Chemical Processing for Black & White	23%
7. Equipment & Exposure for Black & White	15%
8. How to Finish Prints	8%

9. Ethics & Legal Issues	2%
10. Commercial Photography as a Profession	2%

*Includes performance skill evaluation

Standard 1 - Commercial Photography In The Workplace

Candidates will be able to understand the role of commercial photography in the workplace.

Objective 1 Evaluate photographic work.

Objective 2 Display photographic work.

Objective 3 Survey employment opportunities.

Objective 4 Review career possibilities.

Objective 5 History and origins of photography.

Optional: Standard performance evaluations on the final page of this document

Standard 2 - Safe Practices & Housekeeping

Candidates will be able to understand and apply safe practices and housekeeping duties.

Objective 1 Comply with lab and equipment safety rules.

Objective 2 Inspect work area and equipment for safe working environment.

Objective 3 Report lab, environmental, and equipment safety violations.

Objective 4 Comply with safety rules for working with photographic chemicals (MSDS).

Objective 5 Clean and maintain work area and leave in safe condition. **Objective 6** Report problems to the instructor.

Optional: Standard performance evaluations on the final page of this document

Standard 3 - Camera Operations

Candidates will be able to understand and perform camera operations.

Objective 1 Identify basic camera parts.

Objective 2 Identify appropriate lens for specific needs.

Objective 3 Identify when to use a tripod.

Objective 4 Identify appropriate use of a flash and its synchronization.

Objective 5 Identify the effect of aperture and shutter speeds and how they control exposure.

Objective 6 Demonstrate understanding of how to correctly load and expose film using a 35mm camera.

Objective 7 Identify the difference between Shutter Priority and Aperture Priority.

Objective 8 Be familiar with the following types of cameras and their application: medium format/twin lens reflex, View, SLR, and Rangefinder.

Optional: Standard performance evaluations on the final page of this document

Standard 4 - Photography Techniques In Subjects

Candidates will be able to understand and demonstrate photographing techniques in subjects.

Objective 1 Identify the importance of appropriate background, foreground, and main subject.

Objective 2 Demonstrate the effects of light and the direction of light.

Objective 3 Photograph an individual on location.

Objective 4 Photograph a group on location.

Objective 5 Take photos of action subjects.

Objective 6 Demonstrate how to control depth of field

Optional: Standard performance evaluations on the final page of this document

Standard 5 - Black & White Film Characteristics

Candidates will be able to understand and identify black and white film characteristics and development of black and white film

Objective 1 Identify film characteristics that include DX Coding, ISO, type of film, grain, and the format of film.

Objective 2 Understand film processing for black and white film.

Objective 3 Load black and white film into daylight development tanks.

Objective 4 Develop black and white film using daylight development tanks.

Objective 5 Identify problems in black and white film developing.

Optional: Standard performance evaluations on the final page of this document

Standard 6 - Chemical Processing For Black & White

Candidates will be able to set up equipment and determine exposure settings for black and white photographic printing.

Objective 1 Identify the parts of an enlarger.

Objective 2 Identify other equipment used in enlarging.

Objective 3 Expose and develop contact sheets (proof sheets).

Objective 4 Demonstrate appropriate methods to clean negatives.

Objective 5 Demonstrate how to use variable contrast filters.

Objective 6 Demonstrate how to crop an image.

Objective 7 Establish exposure settings for black and white prints using a test strip.

Objective 8 Demonstrate the dodging and burning in of an image during printing.

Objective 9 Demonstrate the black and white printing process.

Objective 10 Identify the benefits of resin coated and variable contrast paper.

Objective 11 Identify the colors of safelights used for black and white printing.

Optional: Standard performance evaluations on the final page of this document

Standard 7 - Equipment & Exposure For Black & White

Candidates will be able to identify and demonstrate the chemical processing procedures for developing black and white photographic paper

Objective 1 Identify the function and safe handling of each black and white paper developing chemical.

Objective 2 Identify the order or sequence for developing black and white photographic paper.

Objective 3 Identify problems occurring during the print developing sequence (troubleshooting: time, light, chemicals, washing and drying).

Optional: Standard performance evaluations on the final page of this document

Standard 8 - How To Finish Prints

Candidates will be able to understand and demonstrate how to finish prints.

Objective 1 Demonstrate spotting and retouching of a print.

Objective 2 Demonstrate the mounting of a print.

Objective 3 Demonstrate the matting/framing of a print.

Optional: Standard performance evaluations on the final page of this document

Standard 9 - Ethics & Legal Prints

Candidates will be able to understand and practice copyright laws, ethics, and legal issues dealing with photography as identified in United States code title 17 chapter 1 section 101.

Objective 1 Objective 1 Define copyright.

Objective 2 Other definitions:

1. Audiovisual works
2. Computer program
3. Copies
4. Copyright owner
5. Digital transmission
6. Financial gain
7. Pictorial, graphic, and sculptural works
8. Work of visual art

Objective 3 Candidates will practice ethics and rules governing photojournalism (e.g., editorial content must not be changed)

Objective 4 Candidates will practice correct usage of copyright laws (i.e. the right to reproduce, manipulate, distribute, plagiarize, or exhibit another photographer's work outside of fair use provisions)

1. Time limitations
2. Portion limitations
3. Text material
4. Illustrations and photographs
5. Copying and distribution limitations

Objective 5 Candidates will demonstrate understanding of ethics related to social and legal issues in subject choice (i.e. model releases, image appropriateness, and cultural sensitivity)

Optional: Standard performance evaluations on the final page of this document

Standard 10 - Commercial Photography As A Profession

Candidates will gain an understanding of commercial photography as a profession and will develop professional skills for the workplace.

Objective 1 As a participating member of the SkillsUSA1 candidate organization, complete the SkillsUSA Level 1 Professional Development Program.

1. Complete a self-assessment inventory and identify individual learning styles.
2. Discover self-motivation techniques and establish short-term goals.
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. Explore what is ethical in the workplace or school.
11. Demonstrate proficiency in program competencies.
12. Explore what is ethical in the workplace or school.
 - a. State the SkillsUSA motto.
 - b. State the SkillsUSA creed.
 - c. Learn the SkillsUSA colors.
 - d. Describe the official SkillsUSA dress.
 - e. Describe the procedure for becoming a SkillsUSA officer.

Objective 2 Understand the use of drawings in architectural design and how those drawings relate to career opportunities.

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

Performance Skills Evaluation

Exam name: Film Photography

Candidate Name: _____

Performance assessments may be completed and evaluated any time before the certification is issued. The following performance skills can be used in connection with the associated standards and exam. The evaluator will function as the subject matter expert to determine if the candidate meets the skills requirements with a Yes/No for passing.

Standard 1 – Commercial Photography in the Workplace

- Understand commercial photography orientation in the workplace.
- Identify four personal values and explain how these values affect behavior and choices.
- Research a Human Services career that includes educational requirements, skill development, and income potential.

Pass:

Standard 2 – Safe Practices & Housekeeping Duties

- Understand and demonstrate safe practices.
 - Comply with lab and equipment safety rules.
 - Inspect work area and equipment for safe working environment.
 - Report lab, environmental, and equipment safety violations.
 - Comply with safety rules for working with photographic chemicals (MSDS).
 - Clean and maintain work area and leave in safe condition.
 - Report problems to instructor.

Pass:

Standard 3 – Camera Operations

- Identify basic camera parts.
- Identify appt. lenses for specific needs.
- Identify appropriate use of a flash and its synchronization.
- Identify the effect of aperture and shutter speeds and how they control exposure.
- Demonstrate understanding of how to expose film using a 35mm camera.
- Identify the difference between Shutter Priority and Aperture Priority.
- Identify when to use a tripod.
- Demonstrate how to control depth of field.
- Be familiar with the following types of cameras and their applications.
 - Medium format
 - View
 - Rangefinder
 - Twin Lens Reflex
 - Aps
 - Polaroid
 - SLR

Pass:

Standard 4 – Photographing Techniques in Subjects

- Demonstrate effects and directions of light.
- Photograph an individual on location.
- Photograph a group on location.
- Take photos of action subjects.
- In pictures, identify importance of appropriate:
 - Background
 - Foreground
 - Subject

Pass:

Standard 5 – Black & White Film Characteristics & Developing

- Identify film characteristics which include:
 - DX Coding
 - Grain
 - ISO
 - Format of film
 - Type of film
- Identify required film processing for:
 - Black and white film
 - Color Slide Film
 - Color Print
 - Chromogenic Film
- Load and develop black and white film into daylight development tanks.
- Identify problems in black and white film developing.

Pass:

Standard 6 – Equipment & Exposure Settings for Black & White Film

- Identify the parts of an enlarger with accessories and their purposes
- Expose and develop contact sheets (proof sheets)
- Demonstrate appropriate methods to clean negatives
- Demonstrate how to use variable contrast filters
- Demonstrate how to crop an image
- Establish exposure settings for black and white prints, using test strip
- Demonstrate the dodging and burning in of an image during printing
- Demonstrate the black and white printing process
- Identify the benefits of orthochromatic, RC, and variable contrast paper
- Identify the colors of safelights used for black and white printing with their benefits/problems on film
- Identify problems which occur on prints during setup (print troubleshooting)

Pass:

Standard 7 – Chemical Processing Procedures for Black & White Film

- Identify the function and safe handling of each black and white paper developing chemical
- Identify the order or sequence for developing black and white photographic paper
- Demonstrate the efficient cutting of photographic paper

Pass:

- Identify and troubleshoot problems occurring during the print developing sequence with:
 - Time
 - Light
 - Chemical
 - Washing
 - Drying

Standard 8 – How to Finish Prints

- Demonstrate:
 - Retouching
 - Dry mounting
 - Matting

Pass:**Standard 9 – Ethics and Legal Issues**

- Understand and demonstrate Legal Use related to copyright laws and legal issues related to photography

Pass:**Evaluator Name:****Date:**
