

# STRANDS AND STANDARDS

## BASIC FILM PHOTOGRAPHY



### Course Description

This course is part of a sequence of courses that prepares individuals to use artistic techniques combined with a commercial perspective to effectively communicate ideas and information to business and consumer audiences via the use of black and white photography. Instruction includes training in 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 course are: 35mm film cameras, black & white 35mm film, film developing tanks, reels and proper chemistry and a darkroom equipped with enlargers, trays & necessary paper, chemistry and supplies. The requirements for this course cannot be met without this basic equipment.



<b>Intended Grade Level</b>	10-12
Units of Credit	0.5
Core Code	40.13.00.00.010
Concurrent Enrollment Core Code	40.13.00.13.010
Prerequisite	None
Skill Certification Test Number	535
Test Weight	0.5
<b>License Type</b>	CTE and/or Secondary Education 6-12
<b>Required Endorsement(s)</b>	
Endorsement 1	Commercial Photography
Endorsement 2	N/A
Endorsement 3	N/A

## STRAND 1

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

### Standard 1

Evaluate photographic work.

### Standard 2

Display photographic work.

### Standard 3

Survey employment opportunities.

### Standard 4

Review career possibilities.

### Standard 5

History and origins of photography.

### Performance Skill

Understand the role of commercial photography in the workplace.

Insert performance objective text

- Evaluate photographic work.
- Display photographic work.
- Survey employment opportunities.
- Review career possibilities.
- History and origins of photography.

## STRAND 2

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

### Standard 1

Comply with lab and equipment safety rules.

### Standard 2

Inspect work area and equipment for safe working environment.

### Standard 3

Report lab, environmental, and equipment safety violations.

### Standard 4

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

### Standard 5

Clean and maintain work area and leave in safe condition.

### Standard 6

Report problems to instructor.

### Performance Skill

Understand and apply safe practices and housekeeping duties.

- 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.

## STRAND 3

**Students will be able to understand and perform camera operations.**

### Standard 1

Identify basic camera parts.

### Standard 2

Identify appropriate lens for specific needs.

### Standard 3

Identify when to use a tripod.

### Standard 4

Identify appropriate use of a flash and its synchronization.

### Standard 5

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

### Standard 6

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

### Standard 7

Identify the difference between *shutter* priority and *aperture* priority.

### Standard 8

Be familiar with the following types of cameras and their application: medium format/twin lens reflex, view, SLR and rangefinder.

### Performance Skill

Understand and perform camera operations.

- Identify basic camera parts.
- Identify appropriate lens for specific needs.
- Identify when to use a tripod.
- 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 correctly load and expose film using a 35mm camera.
- Identify the difference between *shutter* priority and *aperture* priority.
- Be familiar with the following types of cameras and their application: medium format/twin lens reflex, view, SLR and rangefinder.

## STRAND 4

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

### Standard 1

Identify importance of appropriate background, foreground, and main subject.

### Standard 2

Demonstrate the effects of light and the direction of light.

### Standard 3

Photograph an individual on location.

### Standard 4

Photograph a group on location.

### Standard 5

Take photos of action subjects.

### Standard 6

Demonstrate how to control depth of field.

### Performance Skill

Understand and demonstrate photographing techniques in subjects.

- Identify importance of appropriate background, foreground, and main subject.
- Demonstrate the effects of light and the direction of light.
- Photograph an individual on location.
- Photograph a group on location.
- Take photos of action subjects.
- Demonstrate how to control depth of field.

## STRAND 5

**Students will be able to understand and identify black and white film characteristics and develop black and white film.**

### Standard 1

Identify film characteristics which include; DX Coding, ISO, type of film, grain, and the format of film.

### Standard 2

Understand film processing for black and white film.

### Standard 3

Load black and white film using daylight development tanks.

### Standard 4

Develop black and white film using daylight development tanks.

### Standard 5

Identify problems in black and white film developing.

### Performance Skill

Understand and identify black and white film characteristics and develop black and white film.

- Identify film characteristics which include; DX Coding, ISO, type of film, grain, and the format of film.
- Understand film processing for black and white film.
- Load black and white film using daylight development tanks.
- Develop black and white film using daylight development tanks.
- Identify problems in black and white film developing.

## STRAND 6

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

### Standard 1

Identify the parts of an enlarger.

### Standard 2

Identify other equipment used in enlarging.

### Standard 3

Expose and develop contact sheets (proof sheets).

### Standard 4

Demonstrate appropriate methods to clean negatives.

### Standard 5

Demonstrate how to use variable contrast filters.

### Standard 6

Demonstrate how to crop an image.

### Standard 7

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

### Standard 8

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

### Standard 9

Demonstrate the black and white printing process.

### Standard 10

Identify the benefits of resin coated and variable contrast paper.

### Standard 11

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

### Performance Skill

Set up equipment and determine exposure settings for black and white photographic printing.

- Identify the parts of an enlarger.
- Identify other equipment used in enlarging.
- 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 a test strip.
- Demonstrate the dodging and burning in of an image during printing.
- Demonstrate the black and white printing process.
- Identify the benefits of resin coated and variable contrast paper.
- Identify the colors of safelights used for black and white printing.

## STRAND 7

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

### Standard 1

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

### Standard 2

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

### Standard 3

Identify problems occurring during the print developing sequence (Trouble shooting: time, light, chemicals, washing and drying).

### Performance Skill

Identify and demonstrate the chemical processing procedures for developing black and white photographic paper.

- 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.
- Identify problems occurring during the print developing sequence (Trouble shooting: time, light, chemicals, washing and drying).

## STRAND 8

**Students will be able to understand and demonstrate how to finish prints.**

### Standard 1

Demonstrate spotting and retouching of a print.

### Standard 2

Demonstrate the mounting of a print.

### Standard 3

Demonstrate the matting/framing of a print.

### Performance Skill

Understand and demonstrate how to finish prints.

- Demonstrate spotting and retouching of a print.
- Demonstrate the mounting of a print.
- Demonstrate the matting/framing of a print.

## STRAND 9

**Students 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.**

### Standard 1

Define copyright.

### Standard 2

Other definitions:

- Audiovisual works
- Computer program
- Copies
- Copyright owner
- Digital transmission
- Financial gain
- Pictorial, graphic, and sculptural works
- Works of visual art

### Standard 3

Practice ethics and rules governing photojournalism (i.e. Editorial content must not be changed).

### Standard 4

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).

- Time limitations
- Portion limitations
- Text material
- Illustrations and photographs
- Copying and distribution limitations

### Standard 5

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

## STRAND 10

**Students will understand the importance of career readiness skills as it relates to the workplace and outlined in the SkillsUSA Framework – Level 1.**

### Standard 1

Understand and demonstrate the attitude of cooperation.

- Develop awareness of cultural diversity and equality issues.
- Demonstrate effective communication with others.



- Apply team skills to a group project.
- Identify and apply conflict resolution skills.

**Standard 2**

Understand and demonstrate the ability of being resourceful and innovative.

- Discover self-motivation techniques and establish short-term goals.
- Measure/modify short-term goals.
- Review a professional journal and develop a three- to five-minute presentation.

**Standard 3**

Plan for your future career.

- Complete a self-assessment and identify individual learning styles.
- Define future occupations.
- Identify the components of an employment portfolio.
- List proficiency in program competencies.
- Complete a survey for employment opportunities.
- Create a job application.
- Assemble your employment portfolio.
- Employability skills: evaluate program comprehension.

**Standard 4**

Understand and demonstrate the ability to manage a project.

- Apply team skills to a group project.
- Observe and critique a meeting.
- Demonstrate business meeting skills.
- Explore supervisory and management roles in an organization.
- Identify and apply conflict resolution skills.
- Demonstrate evaluation skills.
- Manage a project and evaluate others.

**Skill Certificate Test Points by Strand**

Test Name	Test #	Number of Test Points by Strand										Total Points	Total Questions
		1	2	3	4	5	6	7	8	9	10		
Basic Film Photography	535	4	3	19	4	12	20	12	3	0	0	77	77