

**COURSE OUTLINE****Course:** 70257 PHOTOGRAPHY**Total Course Hours:** 540.00**CBEDS Title:** PHOTOGRAPHY, LABORATORY AND DARKROOM**CBEDS #:** 5760**Job Title(s):**

Photo Finisher, Photographer, Photo Journalist

**Prerequisites:**

16 years old or a junior in high school

**Course Description:**

This course will prepare students for a position in the photography industry. Classroom and lab instruction includes the development of basic photography skills, the history of photography and art, the operation of a wide variety of photographic equipment including cameras and film processors, digital imaging, and sales and marketing techniques. Students will study basic professional skills necessary to be successful in the fields of wedding, portrait and commercial photography. Emphasis will be placed on entrepreneurial aspects of photography.

Integrated throughout the course are Academic and CTE standards, which include safety, communication, technology, ethics, career planning and other employability skills.

Hours	
Class	OJT

**Occupational Competencies**

1-7 on the Course Outline are generic to all BVROP courses and include the BVROP Student Outcomes

3.00	1	<b><u>ORIENTATION</u></b>	<ul style="list-style-type: none"> <li>A Identifies and discusses course objectives and competencies.</li> <li>B Discusses ROP Student Outcomes.</li> <li>C Explains class attendance and behavior objectives.</li> </ul>
3.00	2	<b><u>HEALTH, SAFETY AND ENVIRONMENTAL MANAGEMENT</u></b>	<ul style="list-style-type: none"> <li>A Describes accident procedure.</li> <li>B Demonstrates appropriate safety practices (e.g. bending, lifting, etc.).</li> <li>C Demonstrates knowledge of classroom procedures and drills (e.g. earthquake, fire and emergency).</li> </ul>
3.00	3	<b><u>ETHICS AND LEGAL RESPONSIBILITIES</u></b>	<ul style="list-style-type: none"> <li>A Defines sexual harassment and discusses tactics for handling harassment situations.</li> <li>B Applies appropriate workplace behavior and standards.</li> </ul>
5.00	4	<b><u>LEADERSHIP AND TEAMWORK</u></b>	<ul style="list-style-type: none"> <li>A Describes the characteristics and benefits of teamwork and leadership.</li> <li>B Demonstrates ability to make appropriate decisions.</li> <li>C Works well with others and gives/takes constructive criticism.</li> </ul>
15.00	5	<b><u>CAREER PLANNING</u></b>	<ul style="list-style-type: none"> <li>A Prepares a finished, professional portfolio showing the best work that has been completed during the class.</li> <li>B Locates job opportunities through the use of want-ads and placement agencies.</li> <li>C Visits at least one facility related to area of training and observes jobs performed.</li> <li>D Completes a job application correctly.</li> <li>E Prepares for and critiques a simulated employment interview.</li> <li>F Discusses employee benefits and rights as related to the specific occupational job area including gender equity and equal opportunity.</li> <li>G Identifies acceptable procedures to leave a job.</li> <li>H Applies for a scholarship.</li> <li>I Completes a professional resume.</li> <li>J Demonstrates appropriate personal grooming and dress.</li> </ul>

Hours	
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10.00		<b>6</b>	<b><u>COMMUNICATION</u></b>	<ul style="list-style-type: none"> <li>A Uses effective workplace conversation.</li> <li>B Reads and interprets written information and directions.</li> <li>C Practices various forms of written communication appropriate to the occupation.</li> </ul>
5.00		<b>7</b>	<b><u>STUDENT OUTCOMES</u></b>	<ul style="list-style-type: none"> <li>A Demonstrates Occupational Specific, Communication and Critical Thinking Skills</li> <li>B Demonstrates Responsible Work Ethics</li> <li>C Demonstrates Career/Employment Literacy</li> <li>D Demonstrates Effective Use of Technology</li> </ul>
10.00		<b>8</b>	<b><u>HISTORY OF PHOTOGRAPHY</u></b>	<ul style="list-style-type: none"> <li>A Discusses the place of photography in the history of art.</li> <li>B Reviews the history of photography.</li> <li>C Discusses the achievements of some of the great photographers.</li> <li>D Describes the development of photography as a business.</li> <li>E Develops a knowledge of the development of the camera.</li> </ul>
20.00		<b>9</b>	<b><u>PHOTOGRAPHIC COMPOSITIONS</u></b>	<ul style="list-style-type: none"> <li>A Discusses and utilizes the principles of composition, simplicity, and focal point.</li> <li>B Discusses and utilizes the Rule of Thirds.</li> <li>C Composes an eye appealing photograph.</li> <li>D Uses depth of field concepts in photographs.</li> </ul>
35.00		<b>10</b>	<b><u>EXPOSURE</u></b>	<ul style="list-style-type: none"> <li>A Reviews the concept of exposure related to film speeds.</li> <li>B Reviews the film types and ISO speeds.</li> </ul>
25.00		<b>11</b>	<b><u>FILTERS/ACCESSORIES</u></b>	<ul style="list-style-type: none"> <li>A Discusses wavelengths of color and how this relates to filter use.</li> <li>B Identifies types and uses of filters.</li> <li>C Discusses use of filter catalogs.</li> </ul>
20.00		<b>12</b>	<b><u>THE CAMERA AND CAMERA TYPES</u></b>	<ul style="list-style-type: none"> <li>A Describes the important parts of a camera.</li> <li>B Differentiates camera types/discusses the various types of cameras in use today.</li> <li>C Operates 35mm, 120 camera, sheet film camera, digital capture camera.</li> <li>D Demonstrates camera choices.</li> <li>E Describes lens types.</li> <li>F Demonstrates loading film.</li> <li>G Demonstrates use of tripod.</li> <li>H Lists and describes the camera brand commonly available and advantages and disadvantages of each.</li> </ul>
20.00		<b>13</b>	<b><u>LENSES AND LENS TYPES</u></b>	<ul style="list-style-type: none"> <li>A Describes lens types.</li> <li>B Discusses and knowledgeable of rules of selecting lenses for specific functions.</li> </ul>
20.00		<b>14</b>	<b><u>FILM: TYPES AND USE</u></b>	<ul style="list-style-type: none"> <li>A Describes the structure of black/white and color film.</li> <li>B Describes the light incentive property of film black/white and color.</li> <li>C Describes films reaction to light.</li> <li>D Lists characteristics of film in regards color, sensitivity and tone graduation.</li> <li>E Lists and discusses selection process for film choice related to planned use.</li> </ul>

Hours	
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20.00

**15 USING A CAMERA**

- A Demonstrates loading and removing film.
- B Demonstrates the correct way to hand-hold a camera, using tripod, using the shutter release, focusing the camera.
- C Completes a depth of field project.
- D Demonstrates use of exposure meter, hand held meter, built-in meters and automated exposure cameras.
- E Explains how meters measure light.
- F Explains selective focusing and demonstrates point of interests.
- G Demonstrates setting a custom light balance.

35.00

**16 DARKROOM, DEVELOPING AND PRINTING**

- A Describes chemicals and basic equipment for developing film.
- B Lists steps for film developing procedure.
- C Describes photographic enlarging papers in term of esin coated and fiber based surface, weight, contrast, variable contrast and storing.
- D Processes film.
- E Describes digital printing procedures and output devices.
- F Describes chemicals and equipment needed.
- G Performs enlarging procedures, print enhancement and modification.
- H Prepares contact previewing sheets.
- I Demonstrates mixing chemicals properly.
- J Demonstrates ability to clean and maintain basic equipment.

20.00

**17 THE STUDIO**

- A Demonstrates use of a portable studio and use of a fixed studio.
- B Demonstrates understanding of basic posing, lighting and lens techniques to produce portraits.

11.00

**18 LIGHTING**

- A Uses components of outdoor lighting, angles of light source, fill-in light, indoor lighting with lamps, flash illumination.
- B Demonstrates use of an electronic flash unit.
- C Demonstrates understanding of how electronic flash works, light output, uses a bounce flash, uses fill in flash.
- D Identifies flash units, flash synchronizations, flash exposure, setting, bounce flash, and fill flash.
- F Describes quality of light intensity, degree of diffusion, direction, and color.

20.00

**19 COMMERCIAL**

- A Creates product photography setups.
- B Produces a series of four or more portraits using corrective lighting.

40.00

**20 DIGITAL**

- A Describes & discusses uses of digital photography.
- B Describes desktop publishing.
- C Restores damaged images.
- D Demonstrates the use of photoshop to change an image.
- E Creates unique images.
- F Demonstrates the scanning of images.
- G Records an image digitally.
- H Demonstrates digital camera considerations.
- I Identifies image sensor types.
- J Describes a megapixel.
- K Edits images in photoshop.
- L Operates cloning, healing and the patch tool.
- M Works in the "digital darkroom".
- N Demonstrates artistic combination and manipulation.

Hours	
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| 20.00 |  | <b>21 <u>SPECIAL EFFECTS</u></b> |
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- A Demonstrates ability to double expose.
  - B Performs sound switch.
  - C Discusses other methods that can be used to create special effects.
  - D Uses light writing.
  - E Uses computer to create special effects.
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|-------|--|---------------------------|
| 20.00 |  | <b>22 <u>PHOTO CD</u></b> |
|-------|--|---------------------------|
- A Describes the concept of the Kodak Photo CD.
  - B Describes the various types of photo CDs.
  - C Reviews the advantages and disadvantages of the photo CD as a storage media.
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|-------|--|-----------------------------------|
| 15.00 |  | <b>23 <u>TROUBLE SHOOTING</u></b> |
|-------|--|-----------------------------------|
- A Demonstrates ten print problem images and lists the solutions.
  - B Discusses with a client possible problems with a camera and offers solutions.
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| 25.00 |  | <b>24 <u>PROBLEM PHOTOGRAPHS</u></b> |
|-------|--|--------------------------------------|
- A Reviews a problem photograph.
  - B Lists the possible problems with a photograph, lists solution.
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| 25.00 |  | <b>25 <u>COLOR</u></b> |
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- A Explains additive and subtractive colors and their relation to color printing.
  - B Describes color negative, color positives, color formation in film and paper.
  - C Identifies color balance as it related to Kelvin temperature.
  - D Identifies color enlarging variables, temperature, chemicals, emulsions, light sources, voltage surge.
  - E Prints color images using the color process.
  - F Exposes contacts and prints color negatives.
  - G Describes color as it relates to RGB.
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| 35.00 |  | <b>26 <u>DESIGN &amp; PRESENTATION</u></b> |
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- A Discusses the importance of professional display in finished works.
  - B Demonstrates at least three different display methods.
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| 30.00 |  | <b>27 <u>MARKETING/SALES</u></b> |
|-------|--|----------------------------------|
- A Creates a photography marketing plan.
  - B Develops techniques for selling at least two photographic products.
  - C Discusses meaning of customer service.
  - D Identifies and discusses acceptable behavior of professional salespersons and how these behaviors can be developed.
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| 30.00 |  | <b>28 <u>PORTRAIT; CORRECTIVE TECHNIQUES AND LIGHTING</u></b> |
|-------|--|---|
- A Create various portraits using lighting patterns and posing.
  - B Produce a series of four or more portraits using corrective lighting.

**TOTAL HOURS**

Class	OJT	Course
540.00	0.00	540.00