Overview

The photography program is designed to teach entry-level skills for careers in the photographic industry. Students interested in photography as visual expression or an adjunct to a vocation will also benefit. Flexibility of the advanced program allows a student to concentrate upon a specific photographic career area. Students planning to prepare for a four-year degree in Photography should consult the lower division requirements of the university to which they plan to transfer.

Program Maps

Photography, A.A. Degree (/crc/main/doc/programs/program-maps/photo-aa-degree-ho.pdf)
Photography Art, A.A. Degree (/crc/main/doc/programs/program-maps/photo-art-aa-degree-ho.pdf)
Photography, Fine Art, A.A. Degree (/crc/main/doc/programs/program-maps/photo-fine-art-aa-degree-ho.pdf)
Photography, Fine Art, Certificate of Achievement (/crc/main/doc/programs/program-maps/photo-fine-art-cert-ho.pdf)

Dean
Ryan Cox (/about-us/contact-us/faculty-and-staff-directory/ryan-cox)
Department Chair
Kathryn Mayo (/about-us/contact-us/faculty-and-staff-directory/kathryn-mayo)
Career and Academic Community
Arts, Media and Entertainment (/academics/career-and-academic-communities/arts-media-and-entertainment)
Phone
(916) 691-7537
Email
coxr@crc.losrios.edu (mailto:coxr@crc.losrios.edu)

Associate Degrees
A.A. in Art-Photo

The art-photography program is designed to teach students fine art photography with an emphasis in black and white film based processes. Critical analysis, history and current theories in photography are also requirements.

Students planning to prepare for a four-year degree in Photography should consult the lower division requirements of the university to which they plan to transfer.

Catalog Date: June 1, 2020

Degree Requirements

<table>
<thead>
<tr>
<th>COURSE CODE</th>
<th>COURSE TITLE</th>
<th>UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 300</td>
<td>Drawing and Composition I</td>
<td>3</td>
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<tr>
<td>PHOTO 301</td>
<td>Beginning Photography (3)</td>
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<tr>
<td>PHOTO 420</td>
<td>History of Photography (3)</td>
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<tr>
<td>PHOTO 310</td>
<td>Intermediate Photography (3)</td>
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<td>ARTH 300</td>
<td>Introduction to Art (3)</td>
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<tr>
<td>ART 304</td>
<td>Figure Drawing I (3)</td>
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<td>or ART 361</td>
<td>Printmaking: Survey (3)</td>
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<tr>
<td>PHOTO 320</td>
<td>Color Photography (3)</td>
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<td>PHOTO 365</td>
<td>Alternative Process Photography (3)</td>
<td>3</td>
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<tr>
<td>or PHOTO 364</td>
<td>Advanced Black and White Photography (3)</td>
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<tr>
<td>Total Units:</td>
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<td>27</td>
</tr>
</tbody>
</table>

The Art-Photo Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See CRC graduation requirements.

Student Learning Outcomes

Upon completion of this program, the student will be able to:

- SLO #1 Produce a portfolio that conveys creative self expression.
- SLO #2 Work with silver based and alternative processes in black and white photography.
- SLO #3 Use a variety of film based cameras, including medium and large format.
- SLO #4 Describe the history of photography.
- SLO #5 Recount current trends in photographic theories and aesthetics.

Career Information

Fine art photographer, gallery worker, museum worker, curator or general photographer. Some career options may require more than two years of college study. Classes beyond the associate degree may be required to fulfill some career options or for preparation for transfer to a university program.

A.A. in Photography

The photography program is designed to teach entry-level skills for careers in the photographic industry. Students interested in photography as visual expression or an adjunct to a vocation will also benefit.

Flexibility of the advanced program allows a student to concentrate upon a specific photographic career area.

Students planning to prepare for a four-year degree in Photography should consult the lower division requirements of the university to which they plan to transfer.

HIGHLIGHTS
* modern lab and studio facilities
* twenty four black & white enlargers
* digital media lab
* digital scanners and printers
* field trips to a variety of photographic businesses in Sacramento and the Bay Area
* field study course in Yosemite
* special seminars and internships

Catalog Date: June 1, 2020

Degree Requirements

<table>
<thead>
<tr>
<th>COURSE CODE</th>
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</tr>
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<tbody>
<tr>
<td>PHOTO 302</td>
<td>Beginning Digital Photography (3)</td>
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<tr>
<td>PHOTO 312</td>
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<tr>
<td>PHOTO 320</td>
<td>Color Photography (3)</td>
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<tr>
<td>PHOTO 340</td>
<td>Careers in Photography</td>
<td>3</td>
</tr>
<tr>
<td>PHOTO 400</td>
<td>Digital Imaging</td>
<td>3</td>
</tr>
</tbody>
</table>
Course Code | Course Title                                | Units |
------------|---------------------------------------------|-------|
PHOTO 410   | Advanced Digital Imaging                    | 3     |
PHOTO 420   | History of Photography (3)                  | 3     |

**A minimum of 3 units from the following:**

PHOTO 272   | Lightroom (1.5)                             |       |
PHOTO 273   | Video Capture with DSLRs (1.5)              |       |
PHOTO 275   | Digital Applications for Alternative Processes (1.5) |       |
PHOTO 277   | Creating a Digital Portfolio (1.5)          |       |
PHOTO 271   | Color Management (1.5)                      |       |
PHOTO 260   | The Eastern Sierra Landscape, Yosemite Valley (2) |       |
PHOTO 350   | Photojournalism (3)                         |       |
PHOTO 278   | Flash Photography (1.5)                     |       |
COMM 301    | Introduction to Public Speaking (3)         | 3     |
            | or COMM 361 The Communication Experience (3) |       |
JOUR 310    | Mass Media and Society                      | 3     |
RTVF 302    | Introduction to Digital Design & Storytelling (3) | 3     |
            | or RTVF 304 Introduction to Multimedia (3)  |       |

**Total Units:** 33

The Photography Associate in Arts (A.A.) degree may be obtained by completion of the required program, plus general education requirements, plus sufficient electives to meet a 60-unit total. See CRC graduation requirements.

**Student Learning Outcomes**

Upon completion of this program, the student will be able to:

- PSLO #1 describe technical and aesthetic qualities of successful photographs
- PSLO #2 apply a variety of lighting techniques to the production of photographs
- PSLO #3 produce photographs using various cameras
- PSLO #4 produce photographs using various photographic papers and digital output
- PSLO #5 create a portfolio and related materials for job preparation
- PSLO #6 describe successful working relationships with clients and subjects
- PSLO #7 develop a personal visual style

**Career Information**

Studio Photography; Portrait & Wedding Photography; Photographic Lab Technician; Photojournalism; Industrial or Architectural Photography. Some career options may require more than two years of college study. Classes beyond the associate degree may be required to fulfill some career options or for preparation for transfer to a university program.

**Certificates of Achievement**

**Commercial and Studio Photography Certificate**

The commercial and studio program is designed for students who want to enter a career path in studio photography. Students will use strobe equipment to learn lighting techniques, work with professionals in the field and design their own portfolio. Business strategies, self promotion, and workflow methods will also be covered.

**Catalog Date:** June 1, 2020

**Certificate Requirements**

Course Code | Course Title                                | Units |
------------|---------------------------------------------|-------|
PHOTO 302   | Beginning Digital Photography (3)           | 3     |
PHOTO 312   | Intermediate Digital Photography (3)        | 3     |
PHOTO 320   | Color Photography (3)                       | 3     |
PHOTO 340   | Careers in Photography (3)                  | 3     |
            | or PHOTO 400 Digital Imaging (3)            |       |
PHOTO 360   | Large Format Photography (3)                | 3     |
PHOTO 390   | Studio Lighting Techniques                  | 3 - 4 |
PHOTO 392   | Commercial and Advertising Photography      | 3 - 4 |
PHOTO 410   | Advanced Digital Imaging (3)                | 3     |
PHOTO 420   | History of Photography (3)                  | 3     |

**A minimum of 3 units from the following:**

PHOTO 260   | The Eastern Sierra Landscape, Yosemite Valley (2) |       |
PHOTO 271   | Color Management (1.5)                       |       |
PHOTO 272   | Lightroom (1.5)                              |       |
### Fine Art Photography Certificate

The fine art photography program is designed for students who want to enter a career path in fine art photography. Students will use a variety of cameras and formats to produce images in both color and black and white. Personal expression and creativity, history and contemporary issues in photography and visual communication will also be emphasized.

#### Catalog Date: June 1, 2020

### Portraiture and Wedding Photography Certificate

### Student Learning Outcomes

Upon completion of this program, the student will be able to:

- PSLO #1 use a variety of traditional and digital cameras
- PSLO #2 set up strobe lighting in the studio and on location for both product and people
- PSLO #3 create a personal portfolio of images that display expertise in commercial photography
- PSLO #4 define business goals and self promotion strategies
- PSLO #5 interact with photographers and designers to create compelling images

### Career Information

studio assistant, studio photographer, freelance photographer, editorial photographer, lab manager

freelance photographer, editorial photographer, photojournalist, gallery apprentice, museum apprentice, teacher

### Certificate Requirements

<table>
<thead>
<tr>
<th>COURSE CODE</th>
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<tr>
<td>PHOTO 420</td>
<td>History of Photography (3)</td>
<td>3</td>
</tr>
</tbody>
</table>

A minimum of 3 units from the following:

- PHOTO 260 The Eastern Sierra Landscape, Yosemite Valley (2)
- PHOTO 272 Lightroom (1.5)
- PHOTO 273 Video Capture with DSLRs (1.5)
- PHOTO 275 Digital Applications for Alternative Processes (1.5)
- PHOTO 277 Creating a Digital Portfolio (1.5)
- PHOTO 350 Photojournalism (3)
- PHOTO 278 Flash Photography (1.5)

### Student Learning Outcomes

Upon completion of this program, the student will be able to:

- PSLO #1 communicate visual ideas in a variety of formats
- PSLO #2 describe important historical and contemporary movements in photography
- PSLO #3 produce a portfolio of images emphasizing personal creativity and self expression
Student Learning Outcomes

Upon completion of this program, the student will be able to:

- PSLO #1 use a variety of traditional and digital cameras
- PSLO #2 set up strobe lighting and available lighting to effectively photograph clients and models
- PSLO #3 create a personal portfolio of images that display expertise in wedding and portrait photography
- PSLO #4 define business goals and self promotion strategies
- PSLO #5 interact with clients, models and other professionals to attain a common visual goal

Career Information

photographer's assistant, wedding photographer, portrait photographer, studio assistant, editorial photographer, photojournalist

Art Photography (ARTPH) Courses

ARTPH 341 Advanced Alternative Process Photography

Same As: PHOTO 366
Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: PHOTO 365 with a grade of "C" or better
Transferable: CSU
Catalog Date: June 1, 2020

This course is an advanced study of historical and alternative processes in photography and is designed to expand on the technical and creative concepts acquired in Beginning Alternative Process Photography. Topics of instruction include a deeper investigation of pin hole photography, handmade cameras, historical photographic processes, creating digital negatives and contact printing. Students will also hang a class exhibition. The class includes research, lectures, visual presentations, lab time, exams, and a portfolio. This course is the same as PHOTO 366.

Student Learning Outcomes

Upon completion of this course, the student will be able to:

- SLO #1 Research two types of alternative processes
- Create a multimedia presentation of two types of alternative processes and their practitioners
- Compile a research folio containing written research, visual examples and personal examples of researched processes
- SLO #2 Make contact prints
- Explore several methods of enlarging negatives
- Produce a variety of digital negatives
- SLO #3 Produce various alternative processes in photography
- Produce a themed portfolio using two to three alternative photographic processes
- Document each processes as they are completed
- SLO #4 Participate in a class exhibition
- Research local gallery options
- Secure a date for exhibition
- Produce a promo piece for the exhibition
- Produce and frame prints
- Hang the exhibition

Photography (PHOTO) Courses

PHOTO 260 The Eastern Sierra Landscape, Yosemite Valley

| Units: | 2 |
| Hours: | 18 hours LEC; 54 hours LAB |
| Prerequisite: | None. |
| Catalog Date: | June 1, 2020 |

This course is designed to give students an opportunity to photograph in the Eastern Sierra emphasizing the Yosemite Valley. The course will include a variety of topics including using film and digital cameras in the landscape, understanding different natural qualities of light and low light photography. This course includes meetings on campus and a field trip to Yosemite.

Student Learning Outcomes

Upon completion of this course, the student will be able to:

- SLO #1 Demonstrate an understanding of lighting conditions in the natural landscape.
- Change ISO setting to accommodate low and bright light.
- Change bracketing functions for exposure.
- SLO #2 Demonstrate competence with auxiliary equipment.
- Set up a tripod, cable release and self-timer functions.
- SLO #3 Describe the history of photography in the area.
- Visit the Ansel Adams Gallery in Yosemite Valley.
- Write a critical analysis of a photographer.
- SLO #4 Produce a portfolio of digital or traditional photographs.

PHOTO 271 Color Management

| Units: | 1.5 |
| Hours: | 18 hours LEC; 27 hours LAB |
| Prerequisite: | PHOTO 302 or 400 with a grade of "C" or better |
| Advisory: | PHOTO 320 |
| Catalog Date: | June 1, 2020 |

This course covers the fundamental principles of color management. Topics of instruction include: calibration, profile generation, color management in Photoshop, and optimizing and preparing images for output to labs. Students will work with digital cameras. The class includes: lectures, lab time, field trips, exams, a journal, and a final project.

Student Learning Outcomes

Upon completion of this course, the student will be able to:

- SLO #1 Calibrate a variety of digital hardware devices
- Print out targets on at least 3 different paper types
- Use a spectrophotometer to read targets
- Create profiles based on target outcomes
- SLO #2 Manage color in Photoshop
- Manipulate color profiles for accurate proofing
- SLO #3 Demonstrate color management workflow principles through creation of a final printed project

PHOTO 272 Lightroom

| Units: | 1.5 |
This course is designed to provide students the opportunity to learn the most current photographic archiving software products. Topics of instruction include: importing images, editing imaging and placing images into collections and libraries. Students will work with digital cameras. The class includes: lectures, lab time, field trips, exams, a journal, and a final project.

**Student Learning Outcomes**

Upon completion of this course, the student will be able to:

- SLO #1: Import photographs into Lightroom
- describe the difference between a collection and library
- use keywords and stars to rate images
- compare and rank images side by side
- SLO #2: Work on images using the development module
- describe the options in each portion of the modules
- alter exposure, contrast, and color; both locally and globally
- perform and create presets on images
- SLO #3 Export photographs from the Lightroom
- describe steps for exporting to a folder or the web
- complete a batch process export including file name and file format changes
- SLO #4 Complete a final project in image management
- perform an in class presentation of the final image gallery

**PHOTO 273 Video Capture with DSLRs**

<table>
<thead>
<tr>
<th>Units:</th>
<th>1.5</th>
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</thead>
<tbody>
<tr>
<td>Hours:</td>
<td>18 hours LEC; 27 hours LAB</td>
</tr>
<tr>
<td>Prerequisite:</td>
<td>PHOTO 302 or 400 with a grade of “C” or better</td>
</tr>
<tr>
<td>Catalog Date:</td>
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</tbody>
</table>

This course is designed to provide students instruction in shooting video with DSLR cameras. Topics include: custom settings for shooting video, options for sound capture, lighting techniques, video editing and digital story telling. Students will work with digital cameras and accessory equipment. The class includes: lectures, lab time, field trips, exams, a journal, and a final project.

**Student Learning Outcomes**

Upon completion of this course, the student will be able to:

- SLO#1: Capture video footage with a DSLR camera
- define and describe different cameras that offer video capture
- manipulate custom camera settings to optimize video capture
- use stabilization accessories
- SLO #2 Capture sound files for video
- experiment with in-camera and off camera options for sound capture
- SLO #3 Set up lighting for video capture
- experiment with different lighting techniques, including ambient, LED and tungsten sources
- SLO #4 Edit video footage
- describe different video editing software
- produce a 3-5 minute video project
- SLO #4 Describe digital story telling
- analyze various videos for editing, sound, and music

**PHOTO 275 Digital Applications for Alternative Processes**

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<tr>
<th>Units:</th>
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<tr>
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</table>

This course is designed to provide students instruction in digital applications for alternative processes. Topics include: creating custom curves for alternative process printing, using a variety of software products for creating unique imagery, and applying digital technology to older print processes. Students will work with digital cameras and accessory equipment. The class includes: lectures, lab time, field trips, exams, a journal, and a final project.

**Student Learning Outcomes**

Upon completion of this course, the student will be able to:
- SLO#1 Identify software applications used for alternative processes
- describe applications for contact printing
- describe the differences between cyanotype, platinum and palladium printing
- SLO#2 Design custom curves for digital negatives
- create step wedges for each process
- determine d-max for each process
- experiment with transparency OHP materials
- SLO#3 Produce a portfolio of alternative process digital prints
- mount images archival
- write an artist statement

PHOTO 277 Creating a Digital Portfolio

| Units:    | 1.5 |
| Hours:    | 18 hours LEC; 27 hours LAB |
| Prerequisite: | PHOTO 302 or 400 with a grade of "C" or better |
| Catalog Date: | June 1, 2020 |

This course is designed to provide students instruction in creating a website to promote their photography. Website hosting options, uploading and organizing images will be covered. Students will work with digital cameras and design software. The class includes: lectures, lab time, field trips, exams, a journal, and a final project.

Student Learning Outcomes

Upon completion of this course, the student will be able to:
- SLO#1 Describe different hosting options for a photographic website.
- articulate specific needs for different genres of photography
- describe a flash based site
- determine different costs of hosting services
- SLO #2 Prepare imagery for uploading
- edit photographs for content and genre
- sequence images for formal relationships
- resize and sharpen final images
- SLO #3 Create a website
- produce a price list
- create sound tracks for viewing

PHOTO 278 Flash Photography

| Units:    | 1.5 |
| Hours:    | 18 hours LEC; 27 hours LAB |
| Prerequisite: | PHOTO 301 or 302 with a grade of "C" or better |
| Catalog Date: | June 1, 2020 |

This course covers flash photography using digital cameras. Topics of instruction include: on-camera flash, flash with cord, off camera flash and multiple strobe effects The class includes: lectures, lab time, field trips, a journal, and a final project.

Student Learning Outcomes

Upon completion of this course, the student will be able to:
- SLO #1 Describe options for flash units
- define guide numbers as a criteria for flash
- describe differences between name brand and off brand flash units
- SLO #2 Use on-camera flash
- create images that use: bounce flash, fill flash, flash-ambient, high-speed synch, multiple burst and a variety of lighting ratios
- SLO #3 Use a flash unit with a cord
- create different lighting patterns that use: side lighting, bounce lighting, and backgrounds with and without detail
- SLO #4 Use off-camera flash
- use transmitters to create a multiple flash set up

PHOTO 295 Independent Studies in Photography

| Units:    | 1 - 3 |
| Hours:    | 54 - 162 hours LAB |
| Prerequisite: | None. |
| Catalog Date: | June 1, 2020 |
An independent studies project involves an individual student or small group of students in study, research, or activities beyond the scope of regularly offered courses. See the current catalog section of "Special Studies" for full details of Independent Studies.

Student Learning Outcomes

Upon completion of this course, the student will be able to:

- SLO #1: Actively engage in intellectual inquiry beyond that required in order to pass a course of study (College Wide Learning Outcome – Area 4).
- Discuss and outline a proposal of study (that can be accomplished within one semester term) with a supervising instructor qualified within the discipline.
- Design an independent study (to be completed individually or by collaboration of a small group) to foster special knowledge, skills, and experience that are not available in any one regularly scheduled course.
- Use information resources to gather discipline-specific information.
- SLO #2: Utilize modes of analysis and critical thinking to apply theoretical perspectives and/or concepts in the major discipline of study to significant problems and/or educational activities (College Wide Learning Outcome – Area 3).
- Analyze and apply the knowledge, skills and experience that are involved in the independent study to theoretical perspectives and/or concepts in the major discipline of study.
- Explain the importance of the major discipline of study in the broader picture of society.
- SLO #3: Communicate a complex understanding of content matter of the major discipline of study (College Wide Outcome – Area 3).
- Demonstrate competence in the skills essential to mastery of the major discipline of study that are necessary to accomplish the independent study.
- SLO #4: Identify personal goals and pursue these goals effectively (College Wide Outcome – Area 4).
- Utilize skills from the "academic tool kit" including time management, study skills, etc., to accomplish the independent study within one semester term.

PHOTO 299 Experimental Offering in Photography

Units: 0.5 - 4
Prerequisite: None.
Catalog Date: June 1, 2020

PHOTO 301 Beginning Photography

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area I; CSU Area C1
Catalog Date: June 1, 2020

This course combines lectures with hands-on experience in traditional black and white photography. Students will work primarily with film cameras. Instruction includes camera function, exposure control, film processing, enlarging prints, low light photography, and print finishing. Creative control and elements of composition will also be covered. The format of the class includes lectures, visual presentations, lab time, a field trip, exams and a portfolio. Students may wish to challenge the prerequisite on the basis of equivalent experience. This course is the same as ARTPH 301, and only one may be taken for credit.

Student Learning Outcomes

Upon completion of this course, the student will be able to:

- SLO #1 Operate a manual 35mm camera and lens
- expose black and white film shot under a variety of light sources
- use accessory equipment for a 35mm camera including: flash unit, tripod, filters, and cable release.
- recognize and use good compositional techniques
- SLO #2 Use light sensitive materials
- differentiate between a variety of films and papers
- process black and white film
- operate an enlarger
- produce test strips and contact sheets
- produce enlargements using cropping, contrast, and dodging and burning techniques
- SLO #3 Describe basic digital imaging techniques
- explain basic image capture, manipulation and output
- SLO #4 Produce a portfolio of images
- retouch and mount a final image

PHOTO 302 Beginning Digital Photography

Units: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: None.
Transferable: CSU; UC
General Education: AA/AS Area I
Catalog Date: June 1, 2020
This course combines lectures with hands-on experience in digital photography. Instruction includes digital camera function, exposure control, technical and creative control, computer manipulation of images and digital output options. The format of the class includes lectures, visual presentations, lab time, exams and a portfolio.

Student Learning Outcomes

Upon completion of this course, the student will be able to:

- SLO #1 Operate a digital camera
- adjust film speed for proper exposure
- adjust white point for proper lighting
- use accessory equipment for a digital camera including: flash unit, tripod, filters and cable release
- recognize and use good compositional techniques
- SLO #2 Analyze a variety of image storage and media options
- use and compare digital media
- SLO #3 Produce a digital portfolio
- perform basic image manipulation in Photoshop
- use a variety of digital output options
- retouch and mount a final image
- SLO #4 Describe basic film-based photography techniques
- differentiate between a digital and traditional SLR camera
- explain basic exposure, development and printing techniques

PHOTO 310 Intermediate Photography

This course is designed to expand on the technical and creative concepts acquired in beginning film photography. Topics of instruction include: exposure and development control, archival printing, introduction to medium and large format photography, studio lighting techniques, and alternative processes. Students will work primarily with film cameras. The class includes lectures, visual presentations, lab time, written tests, and a portfolio. This course is the same as ARTPH 310, and under either name, the course may only be taken one time for credit.

Student Learning Outcomes

Upon completion of this course, the student will be able to:

- SLO #1 Expose and develop images using a variety of lighting
- push and pull images
- apply the zone system to exposure and development
- solve equivalent exposures
- SLO #2 Produce an image made with studio lights
- set up studio lighting equipment
- operate a light meter in ambient, spot and flash modes
- SLO #3 Produce an archival print or a digital equivalent
- use fiber based paper with correct processing and mounting
- SLO #4 Create alternative process images
- differentiate between high contrast, infra red, multiple imagery, solarization, toning, and hand-coloring.
- create a collage
- SLO #5 Produce a portfolio
- generate ten images using techniques from the class

PHOTO 312 Intermediate Digital Photography

This course is designed to expand on the technical and creative concepts acquired in beginning digital photography. Topics of instruction include: advanced digital camera functions, exposure control, introduction to studio lighting, computer manipulation of images, digital archiving, digital output options and digital print finishing. The class includes lectures, visual presentations, lab time, written tests, a field trip, and a portfolio.

Student Learning Outcomes
Upon completion of this course, the student will be able to:

- SLO #1: Use advanced functions of a digital camera
- adjust for correct white balance in difficult lighting condition
- identify all menu options in a DSLR
- SLO #2: Produce an image made with studio lights
- operate a light meter in ambient, spot and flash modes
- SLO #3: Perform multiple-step image correction with image software
- use levels and curves to adjust image contrast and density
- use multiple layer techniques
- SLO #4: Produce a portfolio
- generate ten images using techniques from the class

PHOTO 320 Color Photography

This course covers the fundamental principles of color photography. Topics of instruction include: color theory, correct exposure, techniques to determine correct color balance, flash exposure for color and printing digital files. Students will work with digital cameras. The class includes: lectures, visual presentations, lab time, written tests, and a portfolio. This course is the same as ARTPH 322, and under either name, the course may only be taken one time for credit.

Student Learning Outcomes

Upon completion of this course, the student will be able to:

- SLO #1 Explain fundamental color theory and its application in color photography
- produce prints with limited color, dominant color, harmonic color and complementary color
- explain color temperature
- SLO #2 Expose and print color images
- differentiate between a variety of digital papers and surfaces
- explain the effects of polarizing, color compensating and light balancing filters
- differentiate between a variety of file formats
- adjust color balance to produce prints
- SLO #3 Produce color alternative process prints
- use techniques in image editing software to create alternative color processes
- research various output choices
- SLO #4 Produce imagery using artificial lighting
- explain how flash and strobe photography is related to color temperature
- experiment with capture stations to view images produced with artificial light
- explain lighting ratios and how they relate to subject contrast in color
- SLO #5 Develop a personal style using color imagery
- produce a portfolio of imagery
- write an artist statement relating to color

PHOTO 340 Careers in Photography

This course is an overview of different careers available in the photographic industry. Fields of study include: portraiture, wedding photography, fashion, commercial and tabletop, photojournalism, and fine art photography. Students are encouraged to pursue their own area of interest by working with professionals in the field. Students may work with digital or traditional cameras. The class includes: lectures, studio visits, lab time, and completion of a resume, price list, and portfolio.

Student Learning Outcomes

Upon completion of this course, the student will be able to:

- SLO #1 Compare various professions in photography
- list the skills and training required to enter various fields of photography
- job shadow with a professional in the field
- SLO #2 Produce a portfolio
- determine a personal area of interest in photography
PHOTO 350 Photojournalism

Use the appropriate camera equipment necessary for various jobs in the photographic industry

SLO #3 Produce a resume, price list and business card

PHOTO 350 Photojournalism

Unit: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: PHOTO 310 or 312 with a grade of "C" or better
Transferable: CSU
C-ID: C-ID JOUR 160
Catalog Date: June 1, 2020

This course provides instruction in photojournalism and magazine techniques in photography. Students will study features, sports, spot news, and the photo essay styles of journalistic photography. Students may work with digital or traditional cameras. Students will also capture and use audio to complete multimedia projects. A beginning, advanced, or magazine style digital portfolio will be completed. The course includes lectures, visual presentations, speakers, a required field trip, and lab time. Students will provide their own camera and related materials. (C-ID JOUR 160)

Student Learning Outcomes

Upon completion of this course, the student will be able to:

- SLO #1: Define documentary photography.
- describe the history of photojournalism
- identify major historical and contemporary photojournalists
- critique documentary photographs
- SLO #2: List the steps in becoming a photojournalist.
- identify the difference between newspaper and magazine photography
- apply and demonstrate understanding of ethics of photojournalism
- SLO #3: Produce a documentary portfolio of images.
- demonstrate an understanding of principles of editing and self-editing
- shoot in difficult lighting situations
- shoot and edit a photographic essay
- capture audio for multimedia content
- create a multimedia piece for a final portfolio

PHOTO 360 Large Format Photography

Unit: 3
Hours: 36 hours LEC; 54 hours LAB
Prerequisite: PHOTO 310 with a grade of "C" or better
Transferable: CSU
Catalog Date: June 1, 2020

This course is designed to give students a thorough knowledge of view camera operation in the studio and in the field. Topics of instruction include: view camera movements, exposure techniques, processing sheet film, adjustments necessary to print large format negatives, and presentation of the large format image. Students may work in black and white, color, or both. The class includes: lectures, visual presentations, lab time, studio time, and a portfolio. Students are urged to provide their own large format camera. This course is the same as ARTPH 314.

Student Learning Outcomes

Upon completion of this course, the student will be able to:

- SLO #1 Adjust a view camera
- set up a view camera
- utilize all view camera movements, including: swings, tilts, rises, falls and shifts.
- apply these movements to control focus and perspective
- SLO #2 Use the view camera in a variety of settings
- produce a large format image in an architectural style
- produce a large format image in the studio
- produce a large format photograph on location
- SLO #3 Develop sheet film
- experiment with tray and tank methods of development
- SLO #4 Print a 4x5 negative
- adjust the enlarger for 4x5 negatives
- apply advanced printing procedures such as making and flashing to create superior prints
- produce a portfolio of photographs made with a view camera
PHOTO 364 Advanced Black and White Photography

This course is designed to expand on the technical and creative concepts acquired in intermediate photography. Topics of instruction include: zone system, archival printing techniques, advanced methods of image manipulation, and digital fine art printing. Students will work with digital and traditional cameras. The class includes lectures, visual presentations, lab time, exams, and a portfolio.

Student Learning Outcomes

Upon completion of this course, the student will be able to:

- SLO #1 use the Zone System
- test film speed and digital ISO settings
- apply the zone system to exposure and development
- use a large format camera
- produce prints with a full range of zone values
- SLO #2 use advanced printing techniques
- perform print flashing, masking, dodging and burning, masking to traditional or digital prints
- experiment with developers and toners to produce archival prints
- SLO #3 produce a portfolio
- explore digital fine art printing techniques and determine techniques necessary for production
- define warm tone and cold tone papers

PHOTO 365 Alternative Process Photography

This course introduces historical and alternative processes in photography. Topics of instruction include: pinhole photography, handmade cameras, historical photographic processes, enlarging negatives, creating digital negatives and contact printing. Students will also hang a class exhibition. The class includes lectures, visual presentations, lab time, exams, and a portfolio. This course is the same as ARTPH 340.

Student Learning Outcomes

Upon completion of this course, the student will be able to:

- SLO #1 Make a pinhole camera
- research material options for a handmade camera
- use film and paper inside a handmade camera for exposure
- SLO #2 Make contact prints
- explore several methods of enlarging negatives
- produce a digital negative
- SLO #3 Research and produce various alternative processes in photography
- produce a timeline outlining historical processes in the history of photography
- produce images using each of following techniques: cyanotype, van dyke brown, and platinum-palladium
- produce several images using the following techniques: cliche-verre, gum bichromate, albumen, calotype, sun print, photogram, and silver-toned
- SLO #4 explore digital fine art printing techniques and determine techniques necessary for production
- define warm tone and cold tone papers
- SLO #5 Participate in a class exhibition
- research local gallery options
- secure a date for exhibition
- produce a promo piece for the exhibition
- produce and frame prints
- hang the exhibition

PHOTO 366 Advanced Alternative Process Photography

This course is the same as ARTPH 340.
This course is an advanced study of historical and alternative processes in photography and is designed to expand on the technical and creative concepts acquired in Beginning Alternative Process Photography. Topics of instruction include a deeper investigation of pin hole photography, handmade cameras, historical photographic processes, creating digital negatives and contact printing. Students will also hang a class exhibition. The class includes research, lectures, visual presentations, lab time, exams, and a portfolio. This course is the same as ARTPH 341.

Upon completion of this course, the student will be able to:

- SLO #1 Research two types of alternative processes
- Create a multimedia presentation of two types of alternative processes and their practitioners
- Compile a research folio containing written research, visual examples and personal examples of researched processes
- SLO #2 Create contact prints
- Explore several methods of enlarging negatives
- Produce a variety of digital negatives independent of instructor
- Produce a variety of digital negatives
- SLO #3 Produce various alternative processes in photography
- Produce a themed portfolio using two to three alternative photographic processes
- Document each processes as they are completed
- SLO #4 Participate in a class exhibition
- Research local gallery options
- Secure a date for exhibition
- Produce a promo piece for the exhibition
- Produce and frame prints
- Hang the exhibition

PHOTO 370 Portraiture and Wedding Photography

Upon completion of this course, the student will be able to:

- SLO #1 Create images in a variety of lighting conditions.
- use available light and reflectors for outdoor portraiture
- use fill flash for outdoor portraiture
- use electronic flash equipment, in the studio and on-location
- describe flash-ambient exposure for indoor exposure
- SLO #2 Identify professional practices in the wedding and portraiture industry
- develop a price list and model release form
- describe market trends in the Sacramento area
- SLO #3 Produce a book or album for clients
- experiment with different posing strategies for individuals and groups
- create a digital presentation for clients
- create a traditional album for clients

PHOTO 372 Advanced Portrait Photography

Upon completion of this course, the student will be able to:

- SLO #1 Create images in a variety of lighting conditions.
- use available light and reflectors for outdoor portraiture
- use fill flash for outdoor portraiture
- use electronic flash equipment, in the studio and on-location
- describe flash-ambient exposure for indoor exposure
- SLO #2 Identify professional practices in the wedding and portraiture industry
- develop a price list and model release form
- describe market trends in the Sacramento area
- SLO #3 Produce a book or album for clients
- experiment with different posing strategies for individuals and groups
- create a digital presentation for clients
- create a traditional album for clients
Upon completion of this course, the student will be able to:

- SLO #1 use studio lighting equipment
- describe accessory equipment for strobes including: reflectors, softboxes, umbrellas, scrims, snoots, reflectors and flags
- set up studio accent lights
- use a flash meter in a variety of modes
- SLO #2 create portraits in a variety of lighting conditions
- shoot a group and individual portraits outdoors using fill flash
- shoot an environmental portrait combining light sources
- SLO #3 identify professional practices in the portrait industry
- develop a price list and model release form
- describe market trends in the Sacramento area
- SLO #4 produce a portfolio
- experiment with a variety of output choices and determine which are most suitable for portfolio presentation

PHOTO 390 Studio Lighting Techniques

Students Learning Outcomes

Upon completion of this course, the student will be able to:

- SLO #1 Use studio lighting equipment.
- use a flash meter in a variety of modes
- calculate and apply lighting ratios to determine exposure
- describe studio accessories, including: booms, flags, c-stands, gels, scrims, reflectors, umbrellas, and softboxes
- SLO #2 Produce a portfolio of images created in the studio.
- photograph portraits using studio lighting
- photograph still lives using studio lighting
- experiment with a variety of props, backgrounds and tabletop options
- prepare and participate in on-location studio shoots, including: on-sight research, equipment handling and set-up procedures, working with models, and roles in assisting.
- SLO #3 Investigate a career as a studio photographer
- attend a fieldtrip at a photographer's studio

PHOTO 392 Commercial and Advertising Photography

Students Learning Outcomes

Upon completion of this course, the student will be able to:

- SLO #1 Use studio lighting equipment
- use a flash meter in a variety of advanced modes
- use strobe and studio accessories, including booms, flags, c-stands, gels, scrims, reflectors, umbrellas and softboxes
- describe characteristics of lighting, including sources, color temperature, modification, multiple strobe, matching light to subject and creative applications
- SLO #2 Produce a portfolio of images created in the studio
- photograph images with challenging surfaces and subjects including: glass, plastics and metal
- recreate successful images found from outside sources
- participate in on-location studio shoots, including location research, equipment safety setup procedures
- produce an image by levitating an object in the studio
- SLO #3 Study market trends in commercial advertising images
- critique successful images and produce a journal
- develop strategies for marketing a portfolio, including: studying local market trends, and changing presentation styles for clients
- meet with a professional in the field (for example, an art director) to discuss professional expectations

PHOTO 400 Digital Imaging

| Units: | 3 |
| Hours: | 36 hours LEC; 54 hours LAB |
| Prerequisite: | None. |
| Transferable: | CSU |
| Catalog Date: | June 1, 2020 |

This is an introductory course in digital imaging and electronic desktop photography. Methods currently used in publishing will be emphasized. The class includes lectures, use of computers and scanners, slide presentations, occasional off-campus class meetings, and preparation of a notebook and a digital portfolio.

Student Learning Outcomes

Upon completion of this course, the student will be able to:

- SLO #1: Produce photographs using various camera, film and digital choices
- Acquire and import digital files, set-up and scan slides and prints digital photographs.
- SLO #2: Produce photographs using various digital techniques
- Demonstrate competency with Adobe Photoshop.
- Assess and retouch digital images using a variety of tools in Photoshop.
- Compose digital images with copy including usage of layers.
- SLO #3: Create a portfolio and related materials for job preparation
- Integrate established workflow, edit and prepare images for digital printing output
- Create CD of images by combining photo portfolio and sound on CD
- Output completed digital files.

PHOTO 410 Advanced Digital Imaging

| Units: | 3 |
| Hours: | 36 hours LEC; 54 hours LAB |
| Prerequisite: | PHOTO 400 with a grade of "C" or better |
| Transferable: | CSU |
| Catalog Date: | June 1, 2020 |

This course is an advanced study of digital imaging and related software programs. Methods currently used in publishing will be emphasized. The class includes lectures, use of computers, scanners, and a variety of output devices, and preparation of a digital portfolio. This course will introduce the student to the emerging field of multimedia and visit various local businesses.

Student Learning Outcomes

Upon completion of this course, the student will be able to:

- SLO #1: Produce photographs using various camera, film and digital choices.
- Demonstrate competency in using a variety of scanning devices, including flatbed and transparency.
- Demonstrate competency in acquiring various types digital files.
- SLO #2: Demonstrate proficiency in advanced software applications related to digital imaging, such as Adobe's Photoshop, InDesign, Illustrator and Painter.
- Demonstrate competency in advanced digital manipulation techniques such as using layers, masks, blend modes and paths.
- SLO #3: Produce photographs using various photographic papers and digital output.
- Produce a digital portfolio in a variety of outputs including inkjet print and photo cd.
- SLO #4: Create a portfolio and related materials for job preparation.
- Produce multiple self-promotional materials using a variety of advanced digital manipulation techniques
- Produce a complete portfolio demonstrating competency in advanced digital imaging techniques

PHOTO 420 History of Photography

| Units: | 3 |
| Hours: | 54 hours LEC |
| Prerequisite: | None. |
| Transferable: | CSU; UC |
| General Education: | AA/AS Area I; CSU Area C1; IGETC Area 3A |
| Catalog Date: | June 1, 2020 |

This course provides an in-depth study of photography and photographically derived images. The course will focus on the development of the first photograph processes from the nineteenth century to current technologies. The format of the class
Student Learning Outcomes

Upon completion of this course, the student will be able to:

- SLO #1: Define the major movements in the history of photography
- produce a timeline for the world history of photography
- author a research paper on a major movement or artist in the history of photography
- SLO #2: Evaluate different visual styles in photography
- produce a multi-media presentation of a major movement or artist in the history of photography
- attend a field trip to a major photographic collection
- SLO #3: Describe photographic processes from the 19th Century to the present
- create an example of an historical process
- complete a journal depicting a technology timeline

PHOTO 495 Independent Studies in Photography

Upon completion of this course, the student will be able to:

- SLO #1: Actively engage in intellectual inquiry beyond that required in order to pass a course of study (College Wide Learning Outcome – Area 4).
- Discuss and outline a proposal of study (that can be accomplished within one semester term) with a supervising instructor qualified within the discipline.
- Design an independent study (to be completed individually or by collaboration of a small group) to foster special knowledge, skills, and experience that are not available in any one regularly scheduled course.
- Use information resources to gather discipline-specific information.
- SLO #2: Utilize modes of analysis and critical thinking to apply theoretical perspectives and/or concepts in the major discipline of study to significant problems and/or educational activities (College Wide Learning Outcome – Area 3).
- Analyze and apply the knowledge, skills and experience that are involved in the independent study to theoretical perspectives and/or concepts in the major discipline of study.
- Explain the importance of the major discipline of study in the broader picture of society.
- SLO #3: Communicate a complex understanding of content matter of the major discipline of study (College Wide Outcome – Area 3).
- Demonstrate competence in the skills essential to mastery of the major discipline of study that are necessary to accomplish the independent study.
- SLO #4: Identify personal goals and pursue these goals effectively (College Wide Outcome – Area 4).
- Utilize skills from the "academic tool kit" including time management, study skills, etc., to accomplish the independent study within one semester term.

PHOTO 498 Work Experience in Photography

Upon completion of this course, the student will be able to:

- DEMONSTRATE AN UNDERSTANDING AND APPLICATION OF PROFESSIONAL WORKPLACE BEHAVIOR IN A FIELD OF STUDY RELATED ONE'S CAREER (SLO 1)
- Understand the effects time, stress, and organizational management have on performance.
- Demonstrate an understanding of consistently practicing ethics and confidentiality in a workplace.
- Examine the career/life planning process and relate its relevancy to the student.
- Demonstrate an understanding of basic communication tools and their appropriate use.
• Demonstrate an understanding of workplace etiquette.
• DESCRIBE THE CAREER/LIFE PLANNING PROCESS AND RELATE ITS RELEVANCY TO ONE’S CAREER (SLO 2)
• Link personal goals to long term achievement.
• Display an understanding of creating a professional first impression.
• Understand how networking is a powerful job search tool.
• Understand necessary elements of a résumé.
• Understand the importance of interview preparation.
• Identify how continual learning increases career success.
• DEMONSTRATE APPLICATION OF INDUSTRY KNOWLEDGE AND THEORETICAL CONCEPTS AS WRITTEN IN LEARNING OBJECTIVES IN PARTNERSHIP WITH THE EMPLOYER WORK SITE SUPERVISOR (SLO 3)

PHOTO 499 Experimental Offering in Photography

<table>
<thead>
<tr>
<th>Units:</th>
<th>0.5 - 4</th>
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<tbody>
<tr>
<td>Prerequisite:</td>
<td>None.</td>
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<td>Catalog Date:</td>
<td>June 1, 2020</td>
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This course is designed to allow advanced students to pursue and research their photographic interests and receive credit. Students must provide a proposal outlining their area of interest and arrange meetings with an instructor. Students may wish to challenge the prerequisite on the basis of equivalent experience.

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