PHOT A128: MEDIUM AND LARGE FORMAT FILM CAPTURE

Item	Value
Curriculum Committee Approval Date	12/08/2021
Top Code	101200 - Applied Photography
Units	2 Total Units
Hours	72 Total Hours (Lecture Hours 18; Lab Hours 54)
Total Outside of Class Hours	0
Course Credit Status	Credit: Degree Applicable (D)
Material Fee	No
Basic Skills	Not Basic Skills (N)
Repeatable	No
Grading Policy	Standard Letter (S), • Pass/No Pass (B)

Course Description

An introduction to intermediate medium format and large format camera techniques. Topics will include; Camera movements, medium format and large format film handling, developing, printing methods, and working applications of medium and large format film based equipment. This class gives the student an opportunity to explore their creative vision with the use of film-based photography equipment. PREREQUISITE: PHOT A120 or PHOT A120H or PHOT A127. Transfer Credit: CSU.

Course Level Student Learning Outcome(s)

1. Operate medium and large format cameras.
2. Identify and execute methodologies of large format film exposure and development.

Course Objectives

- 1. Demonstrate a thorough understanding of medium format cameras, lenses and equipment.
- 2. Demonstrate a thorough understanding of large format cameras, lenses and equipment.
- 3. Differentiate and apply methodologies of film exposure and development.
- 4. Demonstrate the use of view camera movements to control perspective and sharpness.
- 5. Demonstrate a high level of technical skill in enlarging and print manipulation.
- 6. Relate lighting techniques to subject matter and apply accordingly.
- 7. Discuss the medium of photography and its wide uses in art, science, industry and business.
- 8. Create and evaluate photo images and recognize critical aesthetic values.

Lecture Content

I. Orientation A. Course objectives B. Class policies C. Course materials D. The 4X5 view camera II. Introduction to medium format cameras A. Lenses B. Back C. Body Variations III. Introduction to 4X5 View Camera A. Sheet film and film holdersB. Film processing and development manipulationC. Distortion/Perspective controlD. Focal plane control IV. Metering/Exposure A. Using spot metersB. Contrast range for black and whiteC. Zone system for exposure and development V. Lighting and Leaf Shutters A. Leaf shutter vs. focal planeB. Balancing light using shutter speed VI. Lenses A. Overview of lenses commonly used with 4X5 B. Definition of focal lengthC. Image circleD. Angle of viewE. Limitations of wide lenses VII. Architectural A. Importance of image manipulation and controlB. Special exposure issues relating to image manipulation VIII. Macro A. Bellows extension for 1:1 magnificationB. Exposure compensation for light lossC. Reciprocity failure for long exposuresD. Depth of field IX. Careers in Photography family: arial, helvetica, sans-serif;"> A. Career paths and strategies in photography

Lab Content

Laboratory Content (54 Hours) Arranged (TBA) Lab Content (18) Lab orientation Handheld light meters Spot meters Incident meters Medium format camera demonstration a. Camera Body b. Lenses c. Backs tyle="letter-spacing: 0.0px;"> d. Extension tubes e. Tele-converters f. Film loading g. General exposures 4. Developing of medium format film 5. Printing of medium format film 6. Large format camera demonstration Camera Lenses Film holders (sheet and roll) ol> 7. Large format film processing Tray Tank 8. Printing of large format film 9. Use of Zone system in the darkroom Pushing film Pulling film 10. Advanced printing techniques Split filter Water bath Fiber based papers 11. Completion of assigned work Developing b. Printing

Method(s) of Instruction

- Lecture (02)
- Lab (04)

Instructional Techniques

1. Demonstration of various approaches to problem solving through lecture and critiques. 2. Discussion of photographic principles and aesthetic concepts. 3. Instructor and peer feedback through and critique of student work. 4. Slide lectures to illustrate concepts and means. 5. Use of film/video/DVD presentations relating to historical and contemporary ideas. 6. Interactive computer lectures to illustrate the use of the computer as a creative tool. 7. Field trips and demonstrations to illustrate shooting concepts.

Reading Assignments

Student will read on average 1 hour per week from assigned textbook.

Writing Assignments

Students will spend 1 hour per week writing short reports from assigned readings and one gallery report.

Out-of-class Assignments

Student will complete all photography assignments outside of class and are expected to spend 1-2 hours per week on out-of-class assignments. Students will have access to the OCC Photo Departments lab during their scheduled lab time and during open/arranged lab times.

Demonstration of Critical Thinking

Students will demonstrate critical thinking skills with the production of film based, black and white photographic imagery which will communicate visually.

Required Writing, Problem Solving, Skills Demonstration

The ideas introduced in the course must be supported verbally during critiques, as well as, a writen critical essay on a photographic gallery exhibition. Students will demonstrate technical skills by successfully expressing conceptual and aesthetic ideas developed through the course.

Eligible Disciplines

Photography: Masters degree in photography, fine arts, or art OR bachelors degree in any of the above AND masters degree in art history or humanities OR the equivalent. Masters degree required.

Textbooks Resources

1. Required Stone, Jim. A Users Guide to the View Camera. , 3rd ed. Waltham, MA: Focal Press, 2015 Rationale: -