

COURSE OUTLINE

Photography 114 View Camera

I. Catalog Statement

Photography 114 explores the 4" x 5" film-based view camera and operations as related to outdoor and studio shooting. The course covers large format aperture and shutter features, camera movements, exposure calculations, and film processing and printing.

Units – 4.0

Lecture Hours – 2.0

Total Studio Hours – 4.0

(Faculty Studio Hours – 4.0 + Student Studio Hours – 0.0 = 4.0 Total Studio Hours)

Prerequisite: Photography 103 or equivalent.

Note: This course may be taken 2 times; a maximum of 8 units may be earned.

II. Course Entry Expectations

Skills Level Ranges: Reading 5; Writing 5; Listening/Speaking 6; Math 2.

Prior to enrolling in the course, the student should be able to:

1. analyze professional work;
2. identify paper types, characteristics, and effects of light and exposure;
3. apply zone testing to paper, and identify paper chemical effects;
4. pre-visualize a finished product;
5. define gray scale and Zone System terminology;
6. identify film types, characteristics, and effects of light, exposure, and development;
7. work with exposure meters and apply exposure techniques;
8. identify film processing chemicals and effects;
9. apply Zone System and archival methods to film development;
10. apply Zone System and archival methods to paper development;
11. apply archival window matt and storage methods;
12. evaluate Zone System tests relative to image design and concept.

III. Course Exit Standards

Upon successful completion of the required coursework, the student will be able to:

1. outline large format overview;

2. identify and use view camera features and accessories;
3. set up and demonstrate control of view camera;
4. use light meters and apply exposure methods;
5. demonstrate proper lab procedures and safety;
6. demonstrate proper large format film handling and processing procedures;
7. demonstrate large format film printing procedures;
8. apply lighting techniques;
9. analyze technical and composition effects on image.

IV. **Course Content**

Total Contact Hours = 96

A. Large Format Historical Overview	2 hours
1. Flatbed cameras	
a. Field	
b. Technical	
c. Monorail	
2. Monorail cameras	
B. View Camera Features and Accessories	10 hours
1. Camera anatomy	
2. Aperture and shutter	
3. Controlling perspective, rise, fall, swings, tilts, shifts	
4. Plane of focus and depth of field	
5. Lenses	
a. Normal	
b. Telephoto	
c. Wide	
6. Film holders, darkcloth, cable release, tripod	
7. Polaroid back operation	
C. Camera Setup	8 hours
1. Camera and tripod setup	
2. Zero position and infinity focus	
3. Framing and focusing	
D. Light Meters and Exposure	8 hours
1. Light meters	
a. Reflective and incident	
b. Spot and flash	
2. Exposure calculations with light meter	
3. Exposure compensation	
a. Bellows extension factor	
b. Reciprocity failure	
4. Instant film test	
E. Lab Procedures and Safety	2 hours
F. Large Format Film	24 hours
1. Film handling, identification, and storage	
2. Loading film holders and exposure	
3. Tank and tray processing	
4. Negative storage and printing	

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| H. Introduction to Lighting Studio | 30 hours |
| 1. Handling and safety procedures of studio equipment | |
| 2. Lighting characteristics | |
| J. Image Aesthetics | 12 hours |

V. Methods of Presentation

The following instructional methodologies may be used in the course:

1. classroom lecture and demonstration;
2. analysis of professional examples;
3. instructor analysis of student work;
4. peer analysis of student work;
5. individual instructor-to-student assistance in the class.

VI. Assignments and Methods of Evaluation

1. Projects (e.g. Project 2: application of camera tilts and swings to control focus, perspective, and visual aesthetics to develop both technical and aesthetic concepts and skills; Project 3: application of camera rise and fall to control perspective and visual perspective).
2. Critiques.
3. Midterm examinations.
4. Final examination

VII. Textbook

London, B., Stone, J., and Upton, J. Photography. Current edition.
Upper Saddle River: Prentice Hall, 2007.
14th Grade Textbook Reading Level. ISBN: 0131752014.

VIII. Student Learning Outcomes

1. The student will create a final photo project from the view camera showing work that is visually and conceptually cohesive.
2. Set up and control view camera, use view camera features and accessories, light meters and exposure methods, demonstrate large format film processing, printing procedures, and print finishing methods to obtain technical quality.
3. Use and assess view camera features to create visual impact.