MEDIUM FORMAT CAMERAS
Course Syllabus

Course Number: CPA-0927  
OHLAP Credit: No
OCAS Code: None
Course Length: 45 Hours
Career Cluster: Arts, A/V Technology & Communications
Career Pathway: Visual Arts
Career Major(s): Photographic Technician

Pre-requisite(s): The student will learn how to use a medium format camera effectively, explore the effective use of traditional and non-traditional lighting, and pose subjects in studio and on location. This course introduces skills needed to work with people in studio and on location. The use of lighting for different effects will take the student into a world of professional portraits and advertising. The student's skill will also increase in still-life advertisement. Use of studio electronic flash is continually refined.

Textbooks:

Mamyia RZ-67 Camera Operation handout

The Complete Guide to Black and White Digital Photography by Michael Freeman

Course Objectives:

A. Discuss the Usage of a Medium Format Camera.
1. Discuss where a medium camera is used or not used.
2. Discuss various types of medium format cameras and usages.

B. Demonstrate RZ67 Mamiya Medium Format Cameras.
1. Review parts and components of medium format camera (RZ67 Mamiya):
   a. Shutter speed
   b. Aperture adjustment
   c. Film back and loading
   d. Loading film
   e. Focusing
   f. Depth of field scale
2. Demonstrate operation of medium format camera.
3. Explain the operation of a hand held incident light meter.
4. Take photographs using medium format camera.
5. Show 120/220, 35 and 4x5 film differences.

C. Demonstrate Hand Held Incident Light Meter.
1. Explain meter differences.
2. Demonstrate light meter functions.
3. Use the hand held meter for film exposure.
D. Setup and Operate Mamiya RZ67 Camera with Electronic Studio Lighting.
1. Review and demonstrate flood lights and positions for portraits:
   a. Rembrant
   b. Paramount
   c. Short light
   d. Broad light
   e. Side light
   f. Back lighting
2. Practice portrait lighting techniques.
3. Discuss backgrounds and backdrops uses and prop techniques.
4. Discuss types of camera angles and their effects.
5. Set up a tripod for portrait photography.

E. Use Posing Techniques.
1. Review various feminine poses.
2. Review various masculine poses.
3. Discuss non-traditional posing choices.
4. Discuss situations in casual and formal posing.
5. Perform a variety of posing projects using various props.

F. Setup Medium Format Cameras.
1. Explain the RZ67 Mamiya® camera and its various functions:
   a. Shutter speed
   b. Aperture adjustment
   c. Film back and loading
   d. Loading film
   e. Focusing
   f. Depth of field scale
2. Photograph a still-life session using a medium format camera.
3. Discuss processing of 120 films.
4. Change film holder to 120.
5. Change enlarger lens to 85mm.
6. Discuss Film changes in processing:
   a. Chemical increase
   b. Larger reels
7. Practice loading 120 films on reel.
9. Examine and critique projects and techniques.

G. Operate Hand Held Incident Light Meter.
1. Review meter differences.
2. Operate light meter functions.
3. Use the hand held meter for film exposure.

All unmarked objectives are TTC instructor developed.

Teaching Methods: The class will primarily be taught by the lecture and demonstration method and supported by various media materials to address various learning styles. There will be question and answer sessions over material covered in lecture and media presentations. Supervised lab time is provided for students to complete required projects.
Grading Procedures:

1. Students are graded on theory and shop practice and performance.
2. Each course must be passed with seventy (70%) percent or better.
3. Grading scale: A=90-100%, B=80-89%, C=70-79%, D=60-69%, F=50-59%.

Description of Classroom, Laboratories, and Equipment:

Tulsa Technology Center campuses are owned and operated by Tulsa Technology Center School District No. 18. All programs provide students the opportunity to work with professionally certified instructors in modern, well-equipped facilities.

Available Certifications/College Credit:

The student may be eligible to take state, national or industry exam after completion of the program. College credit may be issued from Oklahoma State University-Okmulgee or Tulsa Community College. See program counselor for additional information.

College Credit Eligibility:

The student must maintain a grade point average of 2.0 or better.