STUDIO/STROBE TECHNIQUES
Course Syllabus

Course Number: CPA-0499  
OHLAP Credit: No
OCAS Code: None  
Course Length: 60 Hours
Career Cluster: Arts, A/V Technology & Communications
Career Pathway: Visual Arts
Career Major(s): Photographic Technician

Pre-requisite(s):

Course Description: The student will learn to use color film on location with various types of lighting situations and in the studio with electronic strobes. Also review of the medium format camera, incident meters with strobes and ratio lighting with traditional lighting setups using models.

Textbooks:

Dean Collins on Lighting DVD Series
Complete Guide to Light and Lighting for Digital by Michael Freeman
Everything You Want to Know About Metering DVD
Photovision DVD Series
Portrait Lighting Techniques with Dennis Keeley DVD

Course Objectives:

A. Setup Studio Lighting.
   1. Discuss and demonstrate flood lights and positions for portraits:
      a. Rembrandt
      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.

B. Use Posing Techniques.
   1. Explain various feminine poses.
   2. Explain 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.
C. Take Photographs in a Group Setting.
   1. Discuss group set-ups in-studio situations.
   2. Demonstrate appropriate posing techniques for group situations.
   3. Set-up in-studio strobes for group portraits.
   4. Review the use of flash photography in an on-location setting.
   5. Pose various numbered groups in studio.

D. Use Strobe Lighting in Studio.
   1. Discuss the following lighting with studio strobe light:
      a. Front lighting
      b. Side lighting
      c. High side lighting
      d. Top lighting
      e. Under lighting
      f. Back lighting
   2. Discuss main lighting.
   3. Determine hard to soft lighting.
   4. Use inside lighting for best results.

E. Use Lighting for Portrait Setups.
   1. Discuss short lighting.
   2. Discuss broad lighting.
   3. Discuss butterfly lighting.
   4. Discuss reflective lighting.
   5. Use portrait lighting for desired effects

F. Operate an Electronic Flash System.
   1. Discuss flash photography.
   2. List the components of a flash system.
   3. Operate automatic and manual flash systems.
   4. Explain flash as a main and fill light source.
   5. Demonstrate bounce light flash lighting.
   6. Take photographs using a flash light source.
   7. Discuss and critique projects and techniques.

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.