

**EL CAMINO COLLEGE**  
**COURSE OUTLINE OF RECORD – Approved**

<b>Course Acronym:</b>	PHOT
<b>Course Number:</b>	223B
<b>Descriptive Title:</b>	Intermediate Color Photography/Printing
<b>Division:</b>	Fine Arts
<b>Department:</b>	Photography
<b>Course Disciplines:</b>	Commercial Photography, Photographic Technology, Photography
<b>Catalog Description:</b>	This course covers the advanced theory and practice of color digital and film still photography with an emphasis on the construction, processing, and printing of color photographic materials. The additive color process will be introduced as well as techniques for printing color transparencies on color reversal paper, printing and processing photographic prints from color negatives, and making color balanced photographs and digital prints.
<b>Prerequisite:</b>	Photography 223A with a minimum grade of C
<b>Co-requisite:</b>	
<b>Recommended Preparation:</b>	
<b>Course Length:</b>	Full Term
<b>Hours Lecture (per week):</b>	2
<b>Hours Laboratory (per week):</b>	6
<b>Outside Study Hours:</b>	4
<b>Total Hours:</b>	144
<b>Course Units:</b>	4
<b>Grading Method:</b>	Letter Grade only
<b>Credit Status:</b>	Credit, degree applicable
<b>Transfer CSU:</b>	Yes
<b>Effective Date:</b>	Prior to 07/1992
<b>Transfer UC:</b>	No
<b>Effective Date:</b>	
<b>General Education:</b>	
<b>ECC</b>	
<b>Term:</b>	
<b>Other:</b>	
<b>CSU GE:</b>	
<b>Term:</b>	
<b>Other:</b>	
<b>IGETC:</b>	
<b>Term:</b>	

Other:	
<b>Student Learning Outcomes:</b>	<p><b>SLO #1 Critiquing Design Elements and Technical Aspects</b> Students will be able to analyze and critique the design elements and technical aspects of advanced level commercial color film and digital photographic images.</p> <p><b>SLO #2 Advanced Color Lighting Design</b> Students will be able to select and construct an advanced color lighting design for a film or digital commercial photographic image.</p> <p><b>SLO #3 Advanced Level Film of Photographic Images</b> Students will be able to visualize and produce advanced level film or digital photographic images that are printed with the correct color cast, exposure and filtration or color balance, hue and saturation.</p>
<b>Course Objectives:</b>	<ol style="list-style-type: none"> <li>1. Discuss, using appropriate terminology, and demonstrate the color positive photographic process relating to the color transparency emulsion and the formation of latent images.</li> <li>2. Describe and demonstrate color transparency film construction and types.</li> <li>3. Describe and demonstrate the principles of additive color theory.</li> <li>4. Print a color transparency as an 8"x 10" or larger color positive photograph and maintain the correct color cast and exposure.</li> <li>5. Select the appropriate color transparency film and color filters considering such variables as contrast, color temperature, exposure range, lighting, and color palette.</li> <li>6. Analyze and discuss the design elements, lighting, and technical aspects of completed color positive photographic prints and digital color photographic prints.</li> <li>7. Describe and demonstrate archival storage and portfolio presentation of color positive prints and color digital photographic prints.</li> <li>8. Describe historical and contemporary color positive photographic processes and contemporary color digital photographic imaging techniques.</li> <li>9. Print a color digital 8" by 10" photographic print with the correct color balance, hue and saturation.</li> <li>10. Produce Type C prints from color negatives with the correct color cast and exposure.</li> </ol>
<b>Major Topics</b>	<p><b>I. Terminology and Outline of the Color Positive Photographic Process Relating to the Color Transparency Emulsion and the Formation of Latent Images (8 hours, lecture)</b> A. Introduction to the photographic imaging layers of light-sensitive silver and dyes in color positive photographic materials. B. The three primary colors of projected white light and photographic image registration on color positive photographic materials.</p> <p><b>II. Color Positive Photographic Printing (36 hours, lab)</b> A. Color positive printing techniques in the darkroom and digital lab B. Correct color cast in film positive printing and color digital printing C. Additive color theory</p>

	<p><b>III. Color Transparency Film Construction, Color Balance, and Film Speed Ratings (8 hours, lecture)</b></p> <p>A. Color temperature, contrast levels, exposure range and techniques, and color palette</p> <p>B. Appropriate color positive choice for a given photographic situation</p> <p><b>IV. Critique and Analysis of the Design Elements and Technical Aspects of Color Positive Photographic Prints and Color Digital Photographic Images (4 hours, lecture)</b></p> <p>A. Advanced level discussion of line, shape, color and form in digital and film color positive prints</p> <p>B. Lighting as a design element</p> <p>C. Technical and aesthetic aspects of photographic exposure</p> <p><b>V. Archival Storage and Portfolio Presentation of Color Positive Photographic Prints and Color Digital Photographs (4 hours, lecture)</b></p> <p>A. Advanced level online and digital portfolio construction</p> <p>B. Digital imaging storage</p> <p>C. Digital and color positive print archival storage</p> <p>D. Professional level print portfolio techniques and presentation methods.</p> <p><b>VI. Printing and Processing Type C Photographic Prints from Color Negatives (36 hours, lab)</b></p> <p>A. Darkroom procedure using a photographic enlarger for printing Type C photographic prints from color negatives</p> <p>B. Processing an exposed Type C photographic print in the darkroom</p> <p>C. Correct color cast in color photographic printing</p> <p><b>VII. Historical and Contemporary Color Positive Photographic Processes and Color Digital Photographic Imaging Techniques (6 hours, lecture)</b></p> <p>A. The development of color positive photographic processes in the history of photography</p> <p>B. Commercial uses of color positive photographic processes</p> <p>C. The development of color digital photographic imaging. Commercial applications of color digital photographic techniques and printing</p> <p>D. Applicable studio lighting designs</p> <p><b>VIII. Printing Color Digital Photographs (36 hours, lab)</b></p> <p>A. Techniques for adjusting print color balance</p> <p>B. Techniques for adjusting color hue and color saturation</p> <p><b>IX. Final Project Critiques (6 hours, lecture)</b></p> <p>A. Color digital and color film photographic print elements of color, shape, line, quality of light, and form as relates to print quality</p> <p>B. Written analysis of print quality</p>
<b>Total Lecture Hours:</b>	36
<b>Total Laboratory Hours:</b>	108
<b>Total Hours:</b>	144

<b>Primary Method of Evaluation</b>	Skills demonstration
<b>Typical Assignment Using Primary Method of Evaluation:</b>	Make 24 color film or color digital photographic images utilizing the quality of natural light and shadow in the morning and late afternoon. Submit two color film or color digital prints 8"x 10" or larger, and write a critique analyzing the design elements, lighting, and technical aspects of the film or digital prints.
<b>Critical Thinking Assignment 1:</b>	Give an oral presentation analyzing the work of a photographer whose concentration is color film or color digital photography, emphasizing the photographer's contribution to the field. Include in the presentation observations of the photographer's intent and message. Produce an 8"x 10" color film or digital photographic print emulating the photographer's style.
<b>Critical Thinking Assignment 2:</b>	Produce color slides or digital photographic images in available light situations ranging from incandescent to fluorescent. Select and use any necessary filters to achieve correct color balance.
<b>Other Evaluation Methods:</b>	Laboratory Reports, Term or Other Papers, Written Homework
<b>Instructional Methods:</b>	Demonstration, Discussion, Group Activities, Lab, Lecture, Multimedia presentations
<b>If other:</b>	
<b>Work Outside of Class:</b>	Required reading, Written work (such as essay/composition/report/analysis/research)
<b>If Other:</b>	
<b>Up-To-Date Representative Textbooks:</b>	Bryan Peterson and Susana Heide Schellenberg, <u>Understanding Color Photography</u> , Watson-Guption, 2017.
<b>Alternative Textbooks:</b>	
<b>Required Supplementary Readings:</b>	
<b>Other Required Materials:</b>	
<b>Requisite:</b>	Prerequisite
<b>Category:</b>	sequential
<b>Requisite course(s): List both prerequisites and corequisites in this box.</b>	Photography 223A
<b>Requisite and Matching skill(s): Bold the requisite skill. List the corresponding course objective under each skill(s).</b>	<p><b>Operate a 4"x 5" camera and 35mm camera equipment.</b></p> <p>PHOT 223A - Describe the process of color photography as it relates to the photographic emulsion and the formation of latent images.</p> <p>PHOT 223A - Print 8"x 10" or larger color photographs and maintain correct color cast and exposure.</p> <p>PHOT 223A - Create color film photographs or color digital photographs demonstrating the subjective implications of the psychology of color.</p>

	<p>PHOT 223A - Produce color film photographs or color digital photographs using historical and contemporary color photographic processes.</p> <p><b>Use both incident and reflected light readings, along with proper color filtration, to produce properly exposed color negatives.</b></p> <p>PHOT 223A - Describe the process of color photography as it relates to the photographic emulsion and the formation of latent images.</p> <p>PHOT 223A -Identify different types of photographic color films and describe their physical and chemical properties.</p> <p>PHOT 223A - Select color negative films and filters that provide the proper contrast, color temperature, exposure range, and color palette for color photography.</p> <p>PHOT 223A - Produce color film photographs or color digital photographs using historical and contemporary color photographic processes. <b>Describe and demonstrate the color photographic process as it relates to color negative photographic emulsion and the formation of a latent image.</b></p> <p>PHOT 223A -Describe the process of color photography as it relates to the photographic emulsion and the formation of latent images.</p> <p>PHOT 223A -Discuss the function and application of the subtractive color theory to the process of color photography.</p> <p>PHOT 223A -Select color negative films and filters that provide the proper contrast, color temperature, exposure range, and color palette for color photography.</p> <p>PHOT 223A -Produce color film photographs or color digital photographs using historical and contemporary color photographic processes.</p>
<b>Requisite:</b>	
<b>Requisite and Matching Skill(s): Bold the requisite skill(s). If applicable</b>	
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<b>Enrollment Limitations and Category:</b>	
<b>Enrollment Limitations Impact:</b>	
<b>Course Created by:</b>	John Silengo
<b>Date:</b>	09/01/1982
<b>Original Board Approval Date:</b>	
<b>Last Reviewed and/or Revised by:</b>	Darilyn Rowan
<b>Date:</b>	10/11/2018
<b>Last Board Approval Date:</b>	06/21/2021