

EL CAMINO COLLEGE
COURSE OUTLINE OF RECORD – Approved

Course Acronym:	PHOT
Course Number:	223A
Descriptive Title:	Theory Color/Color Printing
Division:	Fine Arts
Department:	Photography
Course Disciplines:	Commercial Photography, Photographic Technology, Photography
Catalog Description:	This course covers the theory and techniques of color digital and color film still photography. Emphasis is placed on the processing of various types of color negative film, color film and color digital image printing, and color cast correction. Color theory, the psychology of color, and the effects of various light sources on color temperature are included.
Prerequisite:	Photography 102 with a minimum grade of C
Co-requisite:	
Recommended Preparation:	
Course Length:	Full Term
Hours Lecture (per week):	2
Hours Laboratory (per week):	6
Outside Study Hours:	4
Total Hours:	144
Course Units:	4
Grading Method:	Letter Grade only
Credit Status:	Credit, degree applicable
Transfer CSU:	Yes
Effective Date:	Prior to 07/1992
Transfer UC:	No
Effective Date:	
General Education:	
ECC	
Term:	
Other:	
CSU GE:	
Term:	
Other:	
IGETC:	
Term:	
Other:	

<p>Student Learning Outcomes:</p>	<p>SLO #1 Film or Color Photographic Images Students will be able to visualize and produce film or digital color photographic images that are printed with the correct color cast, exposure and filtration or color balance, hue and saturation.</p> <p>SLO #2 Historical and Contemporary Processes and Techniques Students will be able to visualize and produce film or digital color photographic images that utilize historical and contemporary color photographic processes and techniques.</p> <p>SLO #3 Psychology of Color Students will be able to discuss and utilize principles of the psychology of color in film and digital color photographic images.</p>
<p>Course Objectives:</p>	<ol style="list-style-type: none"> 1. Describe the process of color photography as it relates to the photographic emulsion, and the formation of latent images on color film and digital sensors. 2. Identify different types of photographic color films and describe their physical and chemical properties. 3. Discuss the function and application of the subtractive color theory to the process of color photography. 4. Print 8"x 10" or larger color film and digital photographs and maintain correct color cast and exposure. 5. Select color negative films and filters that provide the proper contrast, color temperature, exposure range, and color palette for color photography. 6. Create color film photographs or color digital photographs demonstrating the subjective implications of the psychology of color. 7. Analyze and discuss the design elements and technical aspects of color film photographs or color digital photographs. 8. Prepare color film photographic prints or color digital photographic prints for presentation and storage using archival materials and techniques. 9. Produce color film photographs or color digital photographs using historical and contemporary color photographic processes.
<p>Major Topics</p>	<p>I. Process of Color Photography as it Relates to the Photographic Emulsion and the Formation of Latent Images (18 hours, lecture)</p> <p>A. Definition of light as the visible portion of the electromagnetic energy spectrum</p> <p>B. Three primary colors of projected white light</p> <p>C. Three secondary colors of projected white light</p> <p>D. Projected white light color wheel</p> <p>E. The construction and color layers of color negative film and color photographic paper</p> <p>F. Light and light-sensitive digital and film color photographic materials</p> <p>II. Color Photographic Printing, Color Cast Correction, and Subtractive Color Theory (48 hours, lab)</p> <p>A. Introduction to color negative printing in the darkroom</p> <p>B. Exposing and processing color negative printing paper in lab</p> <p>C. Color printing filter pack selection for correct print color cast</p>

	<p>III. The Selection of Photographic Color Films and Color Digital Photographic Imaging Materials (20 hours, lab)</p> <p>A. The selection of color film for a particular subject color and lighting balance</p> <p>B. The use of the white balance tool on a digital camera to match the particular lighting balance of the photographic subject</p> <p>C. The selection of color negative printing paper for a particular subject in regards to hue and surface texture</p> <p>IV. Design Elements, Technical Aspects and the Subjective Implications of Color in Film and Digital Color Photographs (18 hours, lecture)</p> <p>A. Line, shape, color and form in the color digital or film photographic image</p> <p>B. The psychology of color and implications in digital and film color photographs</p> <p>C. Correct exposure in color photography</p> <p>V. Archival Storage and Portfolio Presentation of Color Digital and Film Photographic Images and Photographic Prints (16 hours, lab)</p> <p>A. Archival printing techniques for color digital photographic prints</p> <p>B. Archival printing techniques for color negative photographic prints</p> <p>C. Archival storage in acid free storage boxes and portfolios for color digital and film photographic prints</p> <p>D. Portfolio presentation of hard copy color film and digital photographic prints</p> <p>VI. Historical and Contemporary Color Film and Digital Photography Processes (24 hours, lab)</p> <p>A. Introduction to the history of color photography</p> <p>B. Significant photographers in the history of photography who worked primarily with color photographic materials</p> <p>C. Color negative, color positive, development of color digital photography and non-silver color photographic processes</p>
Total Lecture Hours:	36
Total Laboratory Hours:	108
Total Hours:	144
Primary Method of Evaluation	Skills demonstration
Typical Assignment Using Primary Method of Evaluation:	Make 40 digital color images or expose two rolls of color print film utilizing subjective color to produce photographic visual abstractions. Submit two type-C prints or digital prints along with a written critique analyzing the design elements and technical aspects of the prints.
Critical Thinking Assignment 1:	Research the work of a historical or contemporary photographer who has concentrated on color photography. Present an oral analysis of the photographer's contribution to the field of color photography, including observations on the artist's intent and message. Produce a color film photographic print or a color digital photographic print emulating the photographer's style.

Critical Thinking Assignment 2:	Produce color slides or color digital photographic images illustrating variations in the color temperature of natural, available lighting from sunrise to sunset.
Other Evaluation Methods:	Multiple Choice, Objective Exam, Term or Other Papers, True/False, Written Homework
Instructional Methods:	Demonstration, Discussion, Lab, Lecture, Multimedia presentations
If other:	
Work Outside of Class:	Required reading, Written work (such as essay/composition/report/analysis/research)
If Other:	
Up-To-Date Representative Textbooks:	Bryan Peterson and Susana Heide Schellenberg, <u>Understanding Color Photography</u> , published by Watson-Guption, August 2017.
Alternative Textbooks:	
Required Supplementary Readings:	
Other Required Materials:	
Requisite:	Prerequisite
Category:	sequential
Requisite course(s): List both prerequisites and corequisites in this box.	Photography 102
Requisite and Matching skill(s): Bold the requisite skill. List the corresponding course objective under each skill(s).	<p>Operate 4"x 5" and 35mm camera equipment. PHOT 102 - Use of the 4" by 5" view camera.</p> <p>Use both reflected and incident light readings to produce properly exposed negatives. PHOT 102 - Define the terminology and outline of the photographic process relating to the photographic film/analog emulsion; the formation of the latent image; the digital sensor and the formation of a digital photographic image.</p> <p>PHOT 102 - Use both reflected and incident light readings to produce black and white negatives and digital photographic images with the appropriate contrast and density.</p> <p>PHOT 102 - Select the proper equipment and correctly expose film and/or a digital sensor to an acceptable density to produce a good print of a specific photographic subject.</p> <p>Expose develop and print black and white film. PHOT 102 - Define the terminology and outline of the photographic process relating to the photographic film/analog emulsion; the formation of the latent image; the digital sensor and the formation of a digital photographic image.</p>

	<p>PHOT 102 - Demonstrate a working knowledge of various films and film developers.</p> <p>PHOT 102 - Produce film and digital black and white photographs with the appropriate contrast and density.</p> <p>PHOT 102 - Use both reflected and incident light readings to produce black and white negatives and digital photographic images with the appropriate contrast and density.</p> <p>PHOT 102 - Select the proper equipment and correctly expose film and/or a digital sensor to an acceptable density to produce a good print of a specific photographic subject.</p>
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Enrollment Limitations and Category:	
Enrollment Limitations Impact:	
Course Created by:	John Silengo
Date:	09/01/1982
Original Board Approval Date:	
Last Reviewed and/or Revised by:	Darilyn Rowan
Date:	10/11/2018
Last Board Approval Date:	06/21/2021

