

MISSION VALLEY REGIONAL OCCUPATION PROGRAM

Digital Photography 1 Course Outline

1. Course Title:

Digital Photography 1

2. CBEDS Title:

Arts, Media, And Entertainment

3. DATE OF REVISION:

January 2022

4. Course Length:

Year-long course, two-semester, five credits each semester, one hour per day

5. Course Description:

Digital Photography is a year-long course that focuses on understanding the basic operations and functions of a digital single-lens reflex camera and the manipulation of its settings to achieve a specific result. Students will learn about photographic elements of art and principles of design, composition, and lighting. They will explore the history of photography, learning about its scientific and technological developments, important innovators in the field, and relevance within diverse cultural contexts. Students will write and speak about aesthetic, technical, and expressive qualities in a photograph, learning to critique their own and others' work. Students learn image techniques and digital manipulation using Adobe Photoshop, teaching them how to archive, organize and optimize their photographs for print or web purposes. Students will learn how to manage and creatively alter digital images as well as critically analyze the use of visual media as a means of communication in our society today.

Overall Student Objective: Gain an overall understanding of different aspects, practices, and technology of the Photographic Career.

Upon completion of this course, students will:

- Understand technical and aesthetic differences between traditional and digital photography.
- Make informed choices about composition when photographing and editing images.
- Make informed choices about appropriate technologies for use in a variety of photographic assignments – Analyze and discuss complex ideas in works of art and photography.
- Create original works of art of increasing complexity and skill that reflect their feelings and point of view.
- Describe the relationship involving the art maker, the process, the product, and the viewer.
- Demonstrate proper camera and digital processing techniques in the production of a work of art
- Understand and utilize the steps in the creative process
- Realize the vast amount of career choices in the visual arts
- Print work to display
- Produce an accomplished portfolio of work

- Demonstrate personal growth as an artist using photography.
- Employ skills and processes required for working in traditional film photography.
- Employ skills and processes required for working in digital photography.
- Appraise the role of photography in society from its invention to the present day.
- Recognize historical movements and contemporary trends in photography.

6. Prerequisites

- Ability to pass a safety test

7. Instructional Units:

Unit	Content Area Skills	Hours
1	<p>Introduction to Photography</p> <ol style="list-style-type: none"> 1) Introductory Lesson <ol style="list-style-type: none"> a) Students will learn about the emergence of photography as a means of cultural change, scientific inquiry, artistic expression and as a component of modern media communication. 2) Pinhole Portfolio Project <ol style="list-style-type: none"> a) Foundations of working in the traditional darkroom - equipment, function and use of chemicals and techniques b) Safe handling of chemicals c) Creation of simple photogram print including use of test strips d) Written autobiography e) Overview of history and mechanics of cameras and use of light in cameras f) Construction, overview and use of cardboard pinhole cameras. Creating positives of images. g) Introduction to Adobe Photoshop - basic tools and techniques (Cake Drawing and Pinhole Cover Page assignment) h) Overview of image cropping, mounting and presentation of images. i) Peer Critique <p>Learner Outcomes:</p> <ul style="list-style-type: none"> • Overview of photography as an important force in society. • Students will gain understanding of safe use, functions of, and essential techniques related to working with darkroom chemicals and photo processing using wet chemistry and traditional techniques. • Students will learn the basic layout, functions and techniques using the latest version(s) of Adobe Photoshop • Learn the relationship between a negative and positive image 	20

<p>2</p>	<p><u>Magazine Layout Assignment</u> Description:</p> <ol style="list-style-type: none"> 1. Foundations of visual design <ol style="list-style-type: none"> a. Color b. Font c. Typography d. Layout 2. Photoshop - text, effect, layers, and extraction tools 3. Magazine Cover Project <p>Learner Outcomes:</p> <ul style="list-style-type: none"> ● Students will learn the foundations of print design ● Students will learn text, effects, layers and extractions tools in Adobe Photoshop ● Students will design a professional magazine cover layout 	
<p>3</p>	<p><u>Intro to Websites/ Portfolio</u> Description:</p> <ol style="list-style-type: none"> 1. Website and portfolio introduction and examples 2. Introduction to website creation using www.wix.com 3. Creation of basic website <p>Learner Outcomes:</p> <ul style="list-style-type: none"> ● Overview of importance, use and construction of website using www.wix.com ● Students will create a basic website and blog, to be updated throughout the year. 	<p>20</p>
<p>4</p>	<p><u>Camera Unit and Digital Image Extraction and Compositing</u> Description:</p> <ol style="list-style-type: none"> 1. Lecture - Camera Types (DSLR, SLR, TLR, Mirrorless, etc.) 2. Lecture - Exposure Basics - ISO, Shutter, Aperture 3. Lecture - Camera anatomy and functions 4. Lecture - Effects of ISO, Shutter and Aperture on photographic process and final image 5. Equivalent Exposures problems 6. Unit test and in-hand retest 7. Traditional Black and white film loading and developing 8. Darkroom techniques - Use of contrast filters and dodging and burning techniques 9. Fake Celebrity Project Basic lighting and Image Extraction and Compositing using Adobe Photoshop 	<p>20</p>

	<p>Learner Outcomes:</p> <ul style="list-style-type: none"> ● Student will learn the mechanics and physics of basic and advanced cameras and learn about different forms of cameras ● Students will understand the basic parts and function of the camera and their use in the process of image creation ● Students will be able to apply the theory of camera operation and exposure manipulation to various hypothetical and real situations ● Students will gain understanding of black and white chemistry and be able to develop film using tradition wet chemistry and techniques ● Students we learn and practice advanced darkroom techniques in manipulating contrast and tonality through “Dodging and Burning”. ● Students will gain an awareness of lighting ● Students will Learn how to extract and composite images using Adobe Photoshop 	
5	<p><u>Image Analysis</u> Description:</p> <ol style="list-style-type: none"> 1. Lecture/ Discussion - How photographers use Light, Angle, Composition, Focus, Framing and Persuasion in photographs 2. Image analysis of advertisements and media 3. Socratic seminar discussion <p>Learner Outcomes:</p> <ul style="list-style-type: none"> ● Students will learn and analyze how photographers use various techniques to persuade a viewer of a viewpoint or meaning ● Students will analyze photographs and write and articulate their interpretation and analysis ● Students will engage with their peers in a Socratic Seminar discussion 	20
6	<p><u>Digital Camera Basics</u> Description:</p> <ol style="list-style-type: none"> 1. Digital Camera key terms and concepts 2. Lecture digital Camera anatomy, controls and usage 3. Lecture - DSLR lenses 4. Digital Camera test <p>Learner Outcomes:</p> <ul style="list-style-type: none"> ● Students will learn key concepts and digital camera theory and the anatomy/ controls of a modern camera ● Students will demonstrate mastery of digital camera use and operation 	20
7	<p><u>Basic Composition and Digital Hand Painting Project</u> Description:</p>	20

	<ol style="list-style-type: none"> 1. Overview of basic photographic compositions 2. Analysis of composition used in images taken by professional photographers 3. Composition Project 4. Basic Digital Photo Editing - contrast and brightness, curves, levels, color balance, image sharpening 5. Digital hand painting project in Adobe Photoshop <p>Learner Outcomes:</p> <ul style="list-style-type: none"> ● Students will learn the basic compositional rules of photography and they have an effect on the effectiveness of an image. Basic Compositions high angle, low angle, dutch angle, rule of thirds and the “KISS” rule ● Students will demonstrate mastery of basic compositional rules through digital photography project ● Students will learn the basics of digital image editing with Adobe Photoshop ● Students will learn and demonstrate use of digital hand coloring in Adobe Photoshop to color a historical photograph 	
8	<p><u>Photography as a Fine Art</u></p> <p>Description:</p> <ol style="list-style-type: none"> 1. Fine Art photography group projects - Landscape/ Nature, Pictorialism, Decisive Moment, Still Life, Abstract, Surrealism 2. Fine art Photography Project 3. Surrealism Project <p>Learner Outcomes:</p> <ul style="list-style-type: none"> ● Create a group presentation analyzing the work of a professional fine art photographer with the goal of learning about various genres of fine art photography ● To create images in the style and using the techniques of various fine art photography genres ● To use prior learned techniques in Adobe Photoshop to create a composite image in the style of surrealism 	20
9	<p><u>Lighting and Fashion Photography Unit</u></p> <p>Description:</p> <ol style="list-style-type: none"> 1. Natural Lighting lesson and demonstrations 2. Artificial Lighting Techniques and use of reflectors and diffusers 3. Light Painting Demonstration 4. Shooting fashion - tips and planning 5. Project - Fashion Photoshoot (using natural and artificial lighting) 6. Project - Light Painting 	20

	<p>Learner Outcomes:</p> <ul style="list-style-type: none"> ● Students will learn basic artificial and natural lighting techniques and utilize those techniques in a fashion photoshoot ● Students will learn the “soft skills” necessary towards working a fashion photoshoot ● Students will learn to use long exposures to “paint and draw” with light. 	
10	<p>Final Portfolio</p> <p>Description:</p> <ol style="list-style-type: none"> 1. Update, polish and finalize website portfolio layout and functionality 2. Elevator speech lesson 3. Resume writing lesson 4. Portfolio Presentations <p>Learner Outcomes:</p> <ul style="list-style-type: none"> ● Students will 	20
	Total Hours	180

8. Instructional Strategies

- Group Instruction (Powerpoint/Lecture)
- Audio/Visual (Instructional Videos, Live Demonstrations)
- Group Discussions And Projects
- Gallery Walks

9. Instructional Materials

- Individual Computer Stations Per Student

10. Assessments

- Written Tests After Each Unit
- Performance Exams
- Gallery Walks
- Portfolio

11. Certificate Competency List:

- Foundations of art and photographic composition
- Foundations of digital photography
- Photo editing and image manipulation with Adobe Photoshop
- Website design and development
- Natural photographic lighting techniques
- Early and contemporary history of photography
- Familiarity with various professional fields of photography