MISSION VALLEY REGIONAL OCCUPATION PROGRAM

Digital Photography 1 Course Outline

Instructor: P. Taglianetti

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 learn 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 digital 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 career choices in the visual arts including journalism, media and entertainment.

- 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 and the emergence of photography as a means of cultural change, scientific inquiry, artistic expression and as a component of modern media communication.

6. Instructional Units:

Unit	Content Area Skills	Hours
1	**Introduction to DSLR Photography** **Description:** Students will learn about the different types of cameras (DSLR, SLR, TLR, Mirrorless, etc.) and their benefits and features. Students will learn the basics of DSLR cameras including function, operation, handling and maintenance. Students will manage photographic images in an organized online file system. **Learner Outcomes:** A) Basic use of DSLR camera operation and lenses. Lens specific functions such as F-stop and Aperture settings. B) Basic DSLR correlation with lens and how to fix them onto the camera body. C) Basic camera setting features and how to access and set menu functions. Use of Exposure modes (Aperture, shutter and manual exposure settings). D) Basic use of SD/digital memory cards for data storage E) Downloading and organizing images	20
2	**Learning Adobe Photoshop/Adobe Lightroom** **Description:** Students will learn techniques and photographic editing using Adobe creative suite software Photoshop and Lightroom as well as on line back up program PhotoPea while focusing on photography used in social media. Among the techniques/skills learned will be compositing, color grading, quick selection tools, exposure compensation, tone adjustment and image compositing. Lightroom techniques taught will include color grading and color timing as well as exposure fixes and adjustments **Learner Outcomes:** A) Student will demonstrates basic technique using Photoshop including compositing, spot healing and quick selection to create a social media post. B) Demonstration of basic color grading and exposure adjustment	20

3	**Exposure to Light Metering** Description: Students will learn to set proper F stop and the use of in camera light metering **Learner Outcomes:** A) Students will have a working understanding of setting aperture through metering functions on the DSLR. B) Student Project where the learner will demonstrate their understanding of proper metering and aperture adjustment on the DSLR.	20
4	**Photographic Techniques/Shape recognition and composition** **Description:** Students will learn framing composition and basic camera angles. Students will learn how to set the focal range of the lens to compose shots using framing techniques. Students learn pattern and shape recognition which will help coordinate eye/camera function. Students will learn how framing composition can affect the content of the work and change the emotional content of work. Students will learn how to control the depth of field, use center of interest and the Rule of Thirds. **Learner Outcomes:** A)Students will create projects using framing composition techniques reviewed in class B) Camera angle project- Students will create a series of photographic presentations demonstrating their understanding of f-stop and aperture settings that will feature a properly exposed image that uses various camera angles. c) Students will create a project that demonstrates their ability to recognize patterns and shapes as they look through the lens/view finder and to properly use frame composition and depth of field to photograph the image. Students will also need to demonstrate "the rule of thirds" and center of interest.	20
5	**Photographer Research/ Digital Iconic photography Project** **Description**: Students will research Iconic and historic project and investigate the techniques used to create the images including specific lighting and techniques. Using photoshop techniques, lighting and DSLR cameras **Learner Outcomes:** A)Student will use research guidelines to investigate examples of historic photographs. B) Student Project: Student will recreate a famous iconic photography matching lighting and composition as a process of understanding why these photographs are so memorable and powerful as images. C) Students Project: Students will research graphic and historic paintings and examine the lighting and color techniques for a graphic recreation project using Photoshop and DSLR cameras	20
6	**Lighting Techniques/ Portrait/Object Photography Using studio lighting and natural light**	20

	Description: Students will learn about Natural vs. Artificial Lighting Demonstration Use of Reflectors Tungsten Lighting with "hot lights" Use of LED and Halogen lighting equipment. Construction and use of soft box lighting rig and diffusion Instruction in the technique of 3 point lighting to light still and life action subjects **Learner Outcomes:** A)Students will demonstrate the various functions of studio lighting by using portrait photography techniques. B)Students project: Portrait photography presentation including printed contact sheet of work for in class evaluation	
7	**Still Life photography/ Photography Items in a studio setting for Advertisement** **Description**: Students will learn about integrating still photography with graphic techniques, specifically using Adobe software and Photopea software. Students will continue to learn in studio camera and lighting techniques as well as enhanced digital compositing methods to create elaborate and professional graphic work. Students will begin to train with digital tablets and pens to create graphic images that will integrate with their photography **Learner Outcomes:** A) Student Project: Create professional advert and web banner content using DSLR photography and graphic technique. B) Training with Wacom tablet digital pens to create graphic supplementation for student photography material and photography integration. c) Student Project: Web Banner creation. Students will use photography and graphic tools to create web content for mobile and standard web platforms	20
8	**Self Portraits/Documentary style work** **Description**: Students will learn and use self-timer camera controls Explore work by photographers Realistic vs. conceptual representation Shooting assignment: Self Portrait with describing words. Students will also learn about camera as a journalistic tool, documenting historical and archival material. **Learner Outcomes:** A)Student project: Conceptual self-portrait techniques and presentation. B) Student project: Project in Documenting events presentation C) Archival photographic techniques using photoshop/Lightroom- including restoration	20

	of damaged photographic material	
9	**Online Career Preparation Portfolio** **Description**: Students will learn how to create an online portfolio using LinkedIn and Tumblr. Students will assemble a professional career profile to showcase their work created in the class. Students will write a professional and creative resume, cover letter, thank you letter, along with their presentation of featured work. Students will also learn to create contact sheets for photo project review. Train students using Adobe Premiere to create an on line demo reel of work **Learner Outcomes:** A) Create a professional resume for a graphic design/photo editor position at Advertising firm B) Create a professional portfolio showcasing their projects for potential employers C) Create an On line platform for demonstrating skills and examples of work D) Create a video demo reel using Adobe premiere to assemble a presentation reel	20
	Total Hours	180

8. Instructional Strategies
- Group Instruction (PowerPoint/Lecture/ In class live demonstration)
- Audio/Visual (Instructional Videos, Live Demonstrations)
- Group Discussions, projects and in class art reviews
- Gallery Walks/ Gallery Presentation and displays

9. Instructional Materials
- Individual Computer Stations Per Student
- Wacom Tablet and digital Pen
- DSLR camera bodies
- SD memory Cards
- Tripods
- LED lighting/Halogen Lighting
- Greenscreen and Black backing rigging set ups
- Adobe Software Suite & Photopea

10. Assessments
- Checklist of Performance milestones
- Performance Exams
- Projects
- Weekly performance evaluation
- Portfolio

11. Certificate Competency List:

- Foundations of art and photographic composition
- Foundations of digital (DSLR)photography
- Photo editing and image manipulation with Adobe Photoshop/Lightroom
- Website content creation, design and development
- Natural photographic lighting techniques
- Studio lighting techniques
- Editing of photographic material using post production software
- Early and contemporary history of photography
- Familiarity with various professional fields of photography