

## **COURSE SYLLABUS**

<b>LAST REVIEW</b>	Fall 2022
<b>COURSE TITLE</b>	Introduction to Digital Imaging
<b>COURSE NUMBER</b>	MMVP 0130
<b>DIVISION</b>	Career and Technical Education
<b>DEPARTMENT</b>	MMVP
<b>CIP CODE</b>	24.0101
<b>CREDIT HOURS</b>	3
<b>CREDIT HOUR BREAKDOWN</b>	Class: 1                  Lab: 4
<b>PREREQUISITES</b>	None
<b>COREQUISITES</b>	None

### **COURSE DESCRIPTION**

The student will identify key historical development in analog and digital photography as well as be exposed to various methods of image capture, transfer and storage. Elements and Principles of photography will be emphasized including composition, lighting and aesthetics. Digital manipulation through industry standard software such as PhotoShop will be reviewed as well as copyright and ownership as it pertains to digital imaging.

### **PROGRAM LEARNING OUTCOMES**

1. The student will define the hardware and interactive requirements that comprise multimedia
2. The student will compare and contrast technical developments in multimedia and their impact on society
3. The student will create digital audio, digital still images and video images that exemplify the elements and principles of professional level asset acquisition
4. The student will edit original digital content including audio, video and still images
5. The student will create original content by applying the elements and principles of aesthetics and design
6. The student will demonstrate the ethical use of video, audio and copyright law to their creation of media.
7. The student will evaluate the time, scope and medium requirements of multiple projects and create a plan that will result in the on-time completion
8. The student will analyze the scope and medium requirements of multimedia projects, project a completion date and submit the finished work by that date

### **TEXTBOOKS**

<http://kckccb bookstore.com/>

### **METHOD OF INSTRUCTION**

A variety of instructional methods may be used depending on content area. These include but are not limited to: lecture, multimedia, cooperative/collaborative learning, labs and demonstrations, projects and presentations, speeches, debates, panels, conferencing, performances, and learning experiences outside the classroom. Methodology will be selected to best meet student needs.

## **COURSE OUTLINE**

### **I. Introduction to a New Era in Photography**

- A. What is digital imaging?
- B. What are the advantages of digital over analogue
- C. How can conventional photos be converted to digital
- D. What hardware is necessary for digital imaging
- E. Guidelines for getting started with digital imaging

### **II. Five Major Epochs in Photography**

- A. Camera Obscura
- B. Daguerrotype
- C. Negatives
- D. The Wet Plate
- E. The instamatic

### **III. Digitizing Images: Cameras, film and Prints**

- A. Digital cameras
- B. Digitizing film
- C. Flatbed scanning
- D. Services
- E. Storage

### **IV. The Aesthetics of Photography**

- A. Composition
- B. The Elements of Design
- C. The Principles of Design
- D. Asymmetrical Balance
- E. The Rule of Thirds

### **V. Introductory Photography Assignments**

### **VI. Digital Image Manipulation**

- A. Introduction to Photoshop
- B. Getting to know the work area
- C. Basic Photo Corrections
- D. Retouching and Repairing
- E. Working with Selections

### **VII. The Ethics of Photography and Electronic Imaging**

- A. Who and What can be photographed
- B. When is consent necessary in Photographing
- C. What is copyright?

### **VIII. Careers that use digital imaging**

- A. Commercial art
- B. Fine art
- C. Photojournalism

## **COURSE LEARNING OUTCOMES AND COMPETENCIES**

Upon successful completion of this course, the student will:

### **A. Identify components of digital photography**

1. Define digital imaging
2. Evaluate the advantages of digital versus analogue imaging
3. Demonstrate converting conventional photos to digital
4. Identify the hardware necessary for digital imaging
5. Apply the guidelines starting to work with digital imaging

### **B. Analyze the significance of the five major epochs in photography**

6. Analyze the impact of Camera Obscura on digital imaging
7. Analyze the impact of the Daguerrotype on digital imaging
8. Analyze the impact of negatives on digital imaging
9. Analyze the impact of the wet plate on digital imaging
10. Analyze the impact of the instamatic camera on digital imaging

### **C. Digitize images using cameras, film and prints**

11. Digitize images using a digital camera
12. Explain the process of digitize images from negatives and film
13. Digitize images using a flatbed scanner
14. Explain the process of digitize images with a service bureau
15. Store digital images in multiple media and formats

### **D. Identify and demonstrate the use of aesthetics in photography**

16. Employ the elements of design in photographic assignments
17. Employ the principles of design in photographic assignments
18. Employ asymmetrical balance in photographic assignments
19. Employ the rule of thirds in photographic assignments

### **E. Manipulate digital images using industry standard software.**

20. Complete an introduction to Photoshop
21. Complete a tutorial on getting to know the work area using Photoshop
22. Complete a tutorial on basic photo corrections using Photoshop
23. Complete a tutorial on retouching and repairing using Photoshop
24. Complete a tutorial on working with selections using Photoshop

### **F. Identify and apply ethics as they pertain to photography and electronic imaging**

25. Identify who and what can be photographed
26. Identify the components of a legal picture
27. Identify when consent is necessary in photographing
28. Identify the components of copyright and its application

### **G. Identify careers that use digital imaging**

29. Identify career opportunities in commercial art that utilize digital imaging
30. Identify career opportunities in fine art that utilize digital imaging
31. Identify career opportunities in photojournalism that utilize digital imaging

## **ASSESSMENT OF COURSE LEARNING OUTCOMES AND COMPETENCIES**

Student progress is evaluated through both formative and summative assessment methods. Specific details may be found in the instructor's course information document.

## **COLLEGE POLICIES AND PROCEDURES**

*Student Handbook*

<https://www.kckcc.edu/files/docs/student-resources/student-handbook-and-code-of-conduct.pdf>

*College Catalog*

<https://www.kckcc.edu/academics/catalog/index.html>

*College Policies and Statements*

<https://www.kckcc.edu/about/policies-statements/index.html>

*Accessibility and Accommodations*

<https://www.kckcc.edu/academics/resources/student-accessibility-support-services/index.html>.