ART 031: DIGITAL PHOTOGRAPHY

Cross listed as:
DDP 131

Formerly known as:
DDP 030 (or if cross-listed - inactivated courses associated with this course)

Originator
mabri

Justification / Rationale
Add COD GE Worksheet for C3; rb 6/29/23

Effective Term
Spring 2024

Credit Status
Credit - Degree Applicable

Subject
ART - Art

Course Number
031

Full Course Title
Digital Photography

Short Title
DIGITAL PHOTOGRAPHY

Cross Listed Course
DDP 131

CIP Code

11.0803

TOP Code

061460 - Computer Graphics and Digital Imagery

SAM Code

C - Clearly Occupational

Course Control Number

CCC000517131

Discipline

Disciplines List
Art
Graphic Arts (Desktop publishing)

Modality
Face-to-Face
100% Online
Hybrid

Catalog Description
This course provides an introduction to the tools, materials and techniques of digital photography. Students learn to capture images using a digital camera to demonstrate and master basic standards in photographic technique. Topics include the use of digital interfaces, printers and file formats as well as the preparation of images for electronic display. A digital camera with manually adjustable f-stops and shutter speeds and a corresponding camera manual is required.

Schedule Description
This course covers basic digital photography techniques and the use of digital cameras. A digital camera with manually adjustable f-stops and shutter speeds and a corresponding camera manual is required.

Lecture Units
2
Lecture Semester Hours
36

Lab Units
1
Lab Semester Hours
54

In-class Hours
90

Out-of-class Hours
72

Total Course Units
3
Total Semester Hours
162

Required Text and Other Instructional Materials

Resource Type
Book (Recommended)

Author
London, Barbara. Stone, Jim

Title
A Short Course in Digital Photography: Digital

Edition
4th

Publisher
Pearson

Year
2018

Resource Type
Web/Other

Description
Handouts: Each assignment is introduced by handouts providing information pertinent to the topic.

Class Size Maximum
25

Course Content

1. History of the digital image.
2. Types of different digital cameras.
3. Operation of digital cameras.
4. Employing the use of camera controls to effect specific desired photographic outcomes.
5. Storing the image (media choices, capacity, image size and compression).
6. Mechanics of digital photography (pixels, bits, color root components, RGB-additive color model, black and white and color images – bits per pixel).
7. Pixel count and resolution (screen resolution, the web, prints).
8. Image file formats (JPEG, TIFF, GIF, CCITT, LZW, Pacbits).
9. Digital interface (viewfinder and LCD, media, serial, USB, downloading).
10. Storage of the digital image (hard drive, removable media, CD-Rom, DVD and online repositories).
11. Printers to process the digital image (inkjet, laser, dye-sublimation).
12. Essentials of photography to produce high quality photographic images for the digital image maker (the art of seeing, lighting, composition, light meters, digital zone system, shutter speed, aperture and depth of field, special effects, special lenses).
13. 3D and immersive images (anaglyphs and the panorama image).
14. Digital image correction (straightening/cropping, corrections – color, lightness, contrast).
15. Preparing images for print and the web (mixing pigments on paper, using a printer, color matching, creating images for the web).
16. Archiving digital images (how archiving works, burning CD-ROMS-Windows and MAC-OS compression, cataloging your archives, printing proof sheets).

Lab Content

1. Employ camera controls to effect specific assigned photographic outcomes.
2. Use lighting, composition, light meters, digital zone system, shutter speed, aperture, depth of field, special effects and special lenses to create a series of digital images.
3. Use straightening/cropping, color, lightness and contrast image correction techniques in all assignments.
4. Use proper pixel count in monitor, Web and print formats.
5. Create JPEGs, TIFFs, GIFs, CCITTs, LZWs and Pacbits image file formats.
6. Store digital images on the hard drive, removable media, CD-Rom, DVDs and online repositories using choice of media, capacity, image size, compression and interface methods.
7. Print a series of digital images.
8. Prepare a portfolio of images for print and the web.
9. Archive all digital image assignments.

Course Objectives

	Objectives
Objective 1	Demonstrate an understanding of the fundamentals of capturing the digital image.
Objective 2	Use digital still cameras with manual and semi-automatic functions to effect desired technical outcomes.
Objective 3	Demonstrate an understanding of the mechanics of the digital image (pixels, bits, color root components).
Objective 4	Demonstrate an understanding of image file formats (JPEG, TIFF, GIF, CCITT, LZW).
Objective 5	Demonstrate an understanding of the digital interface (media, serial, USB, downloading).
Objective 6	Process digital camera images and media on computers.
Objective 7	Demonstrate an understanding of the use of printers to produce digital photographs.
Objective 8	Demonstrate an understanding of how to prepare digital images for the web/electronic display and print production.
Objective 9	Demonstrate an understanding of the essentials of photography in capturing digital images (the art of seeing, lighting, composition, light meters, digital zone system, shutter speed, aperture and depth of field, special effects, special lenses, overriding automatic functions).

Student Learning Outcomes

	Upon satisfactory completion of this course, students will be able to:
Outcome 1	Demonstrate a comprehensive understanding of the art of seeing, lighting, and composition by successfully completing a portfolio of digital images that can be purposed for both Web and print applications for fine and applied art.

Outcome 2	Understand and actualize storing of digital images on the hard drive, removable media, CD-Rom, DVDs and online repositories using choice of media, capacity, image size, compression and interface methods.
Outcome 3	Complete a portfolio of images for print and the web.

Methods of Instruction

Method	Please provide a description or examples of how each instructional method will be used in this course.
Demonstration, Repetition/Practice	Students will incorporate instructor feedback to each project and assignment and submit for grading.
Participation	Students will participate in discussion regarding best practices in photography. Weekly
Lecture	Presentation of class lecture/discussions/demonstrations of Graphic Design essentials; design elements and principles, design process, career options, and problem solving. Weekly
Laboratory	Students will develop, using the design process, design solutions for design problems. Weekly
Journal	Students document their thoughts and ideas related to each project, assignment and lecture.
Collaborative/Team	Work in groups to brainstorm and develop design solutions.
Activity	Activities focused on addressing areas of improvement in the composition and technique for different types of photography being shot; location, night time, portrait, wildlife, etc...
Discussion	Students will discuss design solutions and critique assignments and projects.

Methods of Evaluation

Method	Please provide a description or examples of how each evaluation method will be used in this course.	Type of Assignment
Written homework	Students will have a written exam that will be graded with a rubric.	Out of Class Only
Student participation/contribution	Students will be graded in their participation at critiques and group discussions. Weekly	In and Out of Class
Field/physical activity observations	Student will be evaluated on their ability to comprehend the projects and physically complete assignments. Weekly	In and Out of Class
Tests/Quizzes/Examinations	Students will be quizzed on key art and media terminology including the principles and elements of design. Weekly	In and Out of Class
Self/peer assessment and portfolio evaluation	Students will use rubrics to self evaluate their own progress as well as evaluate the work of their peers. Weekly as projects are completed)	In Class Only
Product/project development evaluation	Students will create assignments with given criteria and will work to solve the design/art challenge as well as apply key fundamental compositions. Weekly	In and Out of Class
Presentations/student demonstration observations	Students will present their photographs and discuss how they achieved it.	In Class Only
Laboratory projects	Using digital imaging software, students will organize and evaluate every photo taken for each project and determine the workflow process to take. Weekly	In and Out of Class
Portfolios	Students will create a "body of work" that will be evaluated with a rubric.	In and Out of Class

Critiques	Students will participate in group critiques, addressing the requirements of the assignment as well as the creative exploration and graded with a rubric. Weekly	In and Out of Class

Assignments

Other In-class Assignments

a. Create digital images for print, web and electronic display.
b. Produce photo quality digital prints in both black/white and color formats.
c. Use web display for a portfolio of digital images.
d. Present digital images for critique.

Other Out-of-class Assignments

a. Capture and produce interior and exterior digital images.

Grade Methods

Letter Grade Only

Distance Education Checklist

Include the percentage of online and on-campus instruction you anticipate.

Online %

50

On-campus %

50

Lab Courses

How will the lab component of your course be differentiated from the lecture component of the course?

The lecture portion of the course will consist of activities (e.g. critiques, demonstrations) that will build confidence and knowledge using their digital cameras.

During the lab component of this course, students will be on location for their photography assignments improving their way of seeing through the lens, capturing images that build their portfolio and applying the skills they learned in the lecture part of this course.

From the COR list, what activities are specified as lab, and how will those be monitored by the instructor?

Activities that involve the students capturing images using their digital camera will be specified as lab. The course will contain Canvas weekly discussions and assignments that require students to complete photography projects that achieve a particular goal.

How will you assess the online delivery of lab activities?

Lab activities will require students to upload files and input text and/or URLs for assignments.

Instructional Materials and Resources

If you use any other technologies in addition to the college LMS, what other technologies will you use and how are you ensuring student data security?

n/a

Effective Student/Faculty Contact

Which of the following methods of regular, timely, and effective student/faculty contact will be used in this course?

Within Course Management System:

Chat room/instant messaging
Discussion forums with substantive instructor participation
Online quizzes and examinations
Private messages
Regular virtual office hours
Timely feedback and return of student work as specified in the syllabus
Video or audio feedback
Weekly announcements

External to Course Management System:

Direct e-mail
E-portfolios/blogs/wikis
Posted audio/video (including YouTube, 3cmediasolutions, etc.)
Teleconferencing
Telephone contact/voicemail

For hybrid courses:

Field trips
Library workshops
Orientation, study, and/or review sessions
Scheduled Face-to-Face group or individual meetings
Supplemental seminar or study sessions

Briefly discuss how the selected strategies above will be used to maintain Regular Effective Contact in the course.

There will be weekly discussions regarding topics related to photography with appropriate instructor participation. Students will photograph and upload assignments. These activities will receive appropriate instructor feedback.

If interacting with students outside the LMS, explain how additional interactions with students outside the LMS will enhance student learning.

With hybrid courses, students will meet weekly for lecture, demonstrations and critques.

Other Information

Provide any other relevant information that will help the Curriculum Committee assess the viability of offering this course in an online or hybrid modality.

Allowing for other course delivery options, this change looks to future possibilities for the increased enrollments for the DDP program. In addition, it will help to
serve current (over 40%) and future east valley DDP students due to the program move to the West Valley campus effective Fall 2019.

Comparable Transfer Course Information

University System

CSU

Campus

CSU San Bernardino

Course Number

ART 1140

Course Title

Creative Technologies for Artists

Catalog Year

2021-2022

University System

CSU

Campus

UC Santa Cruz

Course Number

ART 201

Course Title

Introduction to Photography

Catalog Year

2020-2021

COD GE
C3 - Arts, Humanities, and Culture

MIS Course Data

CIP Code
50.0605 - Photography.

TOP Code
101100 - Photography

SAM Code
E - Non-Occupational

Basic Skills Status
Not Basic Skills

Prior College Level
Not applicable

Cooperative Work Experience
Not a Coop Course

Course Classification Status
Credit Course

Approved Special Class
Not special class

Noncredit Category
Not Applicable, Credit Course

Funding Agency Category
Not Applicable

Program Status
Program Applicable

Transfer Status
Transferable to both UC and CSU

General Education Status
Y = Not applicable

Support Course Status
N = Course is not a support course

Allow Audit
Yes

Repeatability
No

Materials Fee
No

Additional Fees?
No

Files Uploaded

Attach relevant documents (example: Advisory Committee or Department Minutes)
ART031_DDP131 COD GE Worksheet.doc

Approvals

Curriculum Committee Approval Date
04/20/2023

Academic Senate Approval Date
04/27/2023

Board of Trustees Approval Date
05/19/2023

Chancellor's Office Approval Date
06/22/2023

Course Control Number
CCC000583678

Programs referencing this course
Photography Certificate of Achievement (http://catalog.collegeofthedesert.eduundefined/?key=217)
Mass Communication A.A. Degree (http://catalog.collegeofthedesert.eduundefined/?key=273)
Digital Design Production AS Degree (http://catalog.collegeofthedesert.eduundefined/?key=126)
Digital Design Production Certificate of Achievement (http://catalog.collegeofthedesert.eduundefined/?key=127)
Photography Certificate of Achievement (http://catalog.collegeofthedesert.eduundefined/?key=217)
Mass Communication A.A. Degree (http://catalog.collegeofthedesert.eduundefined/?key=273)
Interaction Design AS Degree (http://catalog.collegeofthedesert.eduundefined/?key=311)
Digital Design Studies AA Degree (http://catalog.collegeofthedesert.eduundefined/?key=377)