

ARTS 289 – Digital Imaging Techniques

UNM Valencia, Digital Media Arts

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Spring 2016

Tuesday & Thursday, 10:30am - 1pm

LEARN Enhanced Course

Professor: Alexa Wheeler

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Campus Office Hours: M 2:30-4:30 | T TH 1-1:30 | and by appointment

Virtual Office Hours: by email, text, and by appointment for live chat
**see "How to Contact the Instructor" below

Office: Business & Technology Building Rm. 110A

Course Description

This course is designed to provide students with a fundamental working knowledge of the technical, aesthetic, and conceptual aspects of digital imaging techniques, digital photography, and photographic software. Lectures, demonstrations, group/online discussions, and other online content will introduce various issues associated with the digital media presented and their accompanying technologies. Assigned projects, readings, presentations, online work and group critiques will assist in a critical understanding better preparing the student for further study in digital photography.

Objectives

- Demonstrate excellent understanding of the foundations of digital imaging and photography techniques, including manipulating, shooting, scanning, printing, and storing images.
- Demonstrate several advanced features in photographic software.
- Enhance your ability to think visually and communicate your ideas as such.
- Perfect your ability to discuss and defend your work and critique others in relation to concepts, ideas, techniques, processes, and experiences.
- Understand major developments in photographic arts as they have occurred throughout time.
- Develop a familiarity with the variety of media available in the photographic arts and understand the limitations and opportunities offered by these various materials and techniques.
- Demonstrate an excellent understanding of the components of art and design (balance, unity, line, composition, color theory, visual rhythm, etc...), and use this language to discuss, debate, and create.
- Gain an excellent working knowledge of the Mac computer and its operating system

Required Online Subscription

lynda.com Online Video Tutorial Library – Photoshop CS4 Essential Training & GIMP

Essential Training: Available free of charge to UNM students at: lynda.unm.edu

Student Responsibilities/Attendance/Participation

Student Responsibilities:

- Students must have basic computer and file management skills for all DMA courses. Custom tutoring services are available through the TLC. Required pre/co requisite is IT 101: Computer FUNdamentals. Students that fall behind due to lack of basic computer skills will be dropped.
- Bring a USB Flash Drive (at least 8 GB) to every class. Make sure it is clearly labeled with your name on it. Always keep a back-up of ALL classwork.
- Have a UNM netID to access UNM Learn: Beginning Fall 2015 semester, all UNM-Valencia students will need a UNM Net ID which can be created by going to: <http://it.unm.edu/accounts/>. UNM Net ID will give you access to the computer labs on campus, blackboard learn and UNM Email.
- Computer Lab Responsibility: Please be advised that use of computer labs on UNM properties is governed by "Policy 2500: Acceptable Computer Use" which can be found at <http://policy.unm.edu/university-policies/2000/2500.html>. Food and drink are also prohibited in any computer lab on campus. Anyone violating these policies is subject to possible suspension and loss of computer lab privileges.
- If you have a disability, please inform me of your needs as soon as possible to ensure that your needs are met in a timely manner.
- Cell phones need to be muted during class times. If you must receive a call, leave the lab before you answer. No phone conversations in the studio. No web browsing, email, or text messaging during lectures, demos, discussions, or critiques.
- In an effort to meet obligations under Title IX, UNM Faculty are considered responsible employees. This designation requires that any report made to a faculty member regarding sexual misconduct or gender discrimination must be reported to the Office of Equal Opportunity and the Title IX Coordinator. For more information on the campus policy regarding sexual misconduct, see: <https://policy.unm.edu/university-policies/2000/2740.html>
- **COMPUTERS WILL BE OFF DURING ALL CRITIQUES!!!**

Attendance/Participation:

- Students are required to complete all projects on time, participate in scheduled critiques/class discussions, watch posted Lynda.com video tutorials in the week they are posted, and maintain a safe, respectable, positive lab environment.
- Students are required to attend class, arrive on time, remain present until the end of class, and be prepared for each day's work. More than three absences without prior consultation may result in a failing grade or a drop from the class. Leaving early or arriving late three times results in one absence.
- If you have not attended class for three consecutive class periods and have made no attempt to text/email/contact me, you WILL be dropped.
- Students who do not attend the first week of class will automatically be dropped.
- Students will need to work a few hours each week in addition to the scheduled class times. Open lab hours will be announced

Grading Policy

Grading:

- Grading is based on a timely completion of course assignments, the quality of individual technical and critical development, conceptual progress, personal commitment and the ability to work in a community studio setting. Personal commitment involves regular attendance, consistent effort, completion of work, participation in critiques and class discussions, and the general willingness to try. Make each project meaningful to yourself!
- Each assignment will culminate in a critique, which will consist of pinning up your work and/or projecting your completed work in class for all to see. All due dates will be

Support Information, Resources, & Tutorials

Open Studio Time – Digital Media Arts Open Lab:

- Located in Room 123A in the Business & Technology Building (directly in front of the current B&T open computer lab Room 123). You will need to enter the lab through the current B&T computer lab and sign-in to use the computers.
- Times and hours posted on UNM Learn

Support for UNM Learn:

- o - UNM Learn help: <http://UNM Learninfo.unm.edu/student/>.

DMA / UNM Valencia Tutoring Services:

- We are proud to have our very own DMA tutor available for Digital Media Arts specific courses! Please see LEARN for detailed information.
- Custom tutoring services are available through The Learning Center <http://www.unm.edu/~tutor/>. Even online tutoring is available

Other tutorials:

- I will post a number of links to video tutorials in UNM Learn for this course.

Instructor Support:

- Please see "How to Contact the Instructor" for methods of contacting the instructor for help.

Community Support:

- We will have a HELP FORUM discussion board in the UNM Learn course. Use this as a place to post questions to the community. It is important for peer learning and peer communication to enhance our community.

Method of Instruction

Methods of instruction include in-class lectures, demonstrations, discussions, work-time, and project critique/presentations. There will also be supplemental out-of-class and online instruction/homework that will include watching required video tutorials.

In-Class Lectures, Demonstrations, Discussions, Work Time – each week we will meet twice on campus. A variety of issues will be presented and discussed.

Project Presentations and Critiques – There will be a total of 5 projects due throughout the semester. Guidelines will be detailed weekly in class, on the syllabus, and in UNM Learn. On days where you present your finished work to the class, we will come together as a group to critique the work and provide feedback to each other.

Video Tutorials – In the Weekly Learning Module in UNM Learn, the student will access links to online video tutorials introducing, explaining, and/or reviewing techniques and concepts current to the material covered in the classroom. Students must watch the required online video tutorials in a timely manner, within the week they are posted, and before the class in which we will be discussing the content of the tutorials.

Other Activities – There may be other learning activities associated with the weekly content of the course that will be found in the Learning Modules or given in class.

Dates	Schedule	Projects
<u>Week 1</u>	<ul style="list-style-type: none"> • Introductions • Review Syllabus • Review UNM Learn • Lecture • Equipment Overview • Supplies Overview 	
<u>Week 2</u>	<ul style="list-style-type: none"> • Digital Camera Capture, Photoshop, Levels Curves, Basic Paint tools, basic selecting, opening/saving files, classroom network 	
<u>Week 3</u>	<ul style="list-style-type: none"> • Composing & Critiquing 	Project 1 Due: Before & After
<u>Week 4</u>	<ul style="list-style-type: none"> • Edges, selection tools, burning & dodging, mixing tools, cleaning & fine-tuning, layers, layer masks, opacity masks, compositing • Lecture – Composition & Critique 	
<u>Week 5</u>	<ul style="list-style-type: none"> • Printing • Work time 	
<u>Week 6</u>	<ul style="list-style-type: none"> • Work time 	
<u>Week 7</u>	<ul style="list-style-type: none"> • Project 2 Critique 	Project 2 Due: Subject & Abstractions
<u>Week 8</u>	<ul style="list-style-type: none"> • Digital SLR, camera modes, light metering, exposure, using the studio & lighting • Lecture – What's the Message? 	
<u>Week 9</u>	<ul style="list-style-type: none"> • SPRING BREAK 	
<u>Week 10</u>	<ul style="list-style-type: none"> • Work time 	
<u>Week 11</u>	<ul style="list-style-type: none"> • Project 3 critique 	Project 3 Due: Media/Social Critique
<u>Week 12</u>	<ul style="list-style-type: none"> • Scanning, digitizing, color perception, color management • Lecture – Stop-Motion 	
<u>Week 13</u>	<ul style="list-style-type: none"> • Project 4 critique 	Project 4 Due: Presentations
<u>Week 14</u>	<ul style="list-style-type: none"> • Individual Meetings 	
<u>Week 15</u>	<ul style="list-style-type: none"> • Work time 	
<u>Week 16</u>	<ul style="list-style-type: none"> • Final Project critique 	Final Project 5 Due: Self-Directed Series

Project 1: Before & After

Objective:

To introduce the basic functions, tools, and workspace of Photoshop. To encourage you to explore the Photoshop interface and make discoveries on your own.

Image:

Using your own work, choose an image to manipulate. Use the tools you were introduced to and those you would like to play with to create another image using the source file as one layer in the final product. The image will be projected for critique and does not need to be printed.

Project 2: Subject & Abstractions

Objective:

Select a subject. Decide why this is an interesting subject to shoot. Demonstrate your knowledge of digital photographic techniques through use of shooting your own digital images. Demonstrate your knowledge of digitizing images (negatives, prints, photos, 3-dimensional objects, etc...). Think up, compose, shoot, and print four images based on these criteria:

Set 1: Shoot as many pictures as needed. Consider panning, subject movement, and depth of field. Print three different views of this image: the entire object, a close-up, and an abstraction. Images must be **at least 5" x 7"**.

Set 2: Using one of the images from Set 1 as a layer, create a collage in Photoshop using layers, masks, blending modes, opacity levels, and more. Print one large format image **at least 11" x 17"**.

You will present **four printed images** at critique for this project: entire object (1), a close-up of the object (1), an abstraction of the object (1), and a Photoshop digital collage (1).

Project 3: Media/Social Critique using Lighting

Objective:

To introduce the wide variety of possibilities of digital imaging and photography, including advertising and the media. To critique advertisements and create your own dramatic statement using your knowledge of media techniques and lighting to create mood, shock, and other effects. To use Photoshop to enhance your effects, as well as add text. This is a poster and must therefore be printed VERTICALLY.

Image:

Take a digital photograph using the backdrop and studio lighting. Choose an object(s) and/or theme that you will use in an advertisement, campaign, and/or commentary. Use lighting to make the image(s) as dramatic or static as you choose, but use the lighting intentionally! Print an image **no smaller than 17" x 11"** as a poster with vertical (not horizontal) orientation for this project.

Project 4: History & Influences: Artist Presentation & Inspiration Prints

Objective:

Research the history of photography. Discover what influences photographers have on their artwork. Choose an artist and create prints using a similar style (response, inspired...) as your chosen artist. Observe print presentation, choices, lighting, and content of an artist you admire. Through the process of working in a similar style, you should become more aware of camera position, lighting, and personal style in both the artist you are using as an inspiration and your own developing style.

Process:

Select a contemporary or historical photographer that you like. Find out about his/her life, his/her work, the time period in which they work/worked, and what influences/influenced his/her work. Use the textbook, library, Internet, ArtStor, UNM Learn, etc.... as sources. Create a 5 minute presentation of the artist and their work, and then present your inspiration prints. You can choose your own format – slideshow (PowerPoint, Keynote, Google Office, etc...), video, etc... You must include at least 15 images of the artists work and at least 5 of your own. You will present the to the class.

Set:

Using the artist's influences as your own, shoot as many pictures as needed using digital techniques. You will present these images digitally to the class as part of your presentation.

Project 5: Final Project – Personal Voice/Self-Directed Series

Objective:

Create a series of work based on a self-directed subject matter agreed upon in the individual meeting with the instructor. Think – theme, series. Consider – Stop Motion

Process:

Shoot and either print or project compositions and/or stop motion animations that will explore the development of a common idea and/or subject through the use of multiple imagery. Shoot and print as much as needed. Create a small series (**6 to 10 individual photos, at least 8" x 10"**) exploring the use of photography as an extension of your own voice. Create a narrative – tell us a story (personal, fiction, political, etc.)