

Course Objective: This course is an introduction to the technical and aesthetic properties of digital photography with an emphasis on the use of a digital camera (DSLR or mirrorless cameras) as a tool for electronic photographic image making. Additionally, students will learn to create efficient digital workflow using image-editing skills and software programs.

Objectives:

- * Learn basic functions of a DSLR camera or mirrorless camera.
- * Gain understanding of interpreting and controlling light meter readings for proper exposure.
- * Gain understanding of the reciprocal relationship between fstops and shutter speeds.
- * Learn the function of the ISO scale and controlling digital noise.
- * Work with both RAW and jpeg files and understand their benefits and limitations.
- * Introduction to portrait lighting techniques and light painting.
- * Gain basic understanding of digital software, applications and equipment.
- * Build critical thinking and problem-solving skills and learn formal art principles of image composition and design.
- * Learn how to describe, evaluate and discuss photographs through constructive and thoughtful critiques.

Attendance: Attendance is mandatory for both lecture and lab. This is an experienced based class and growth comes only through continued active participation. **In case of an unavoidable absence, please contact me IMMEDIATELY (email is best). You are responsible for all missed information. Excessive lateness (5 minutes plus) and/or absence (more than three classes) will result in a severely reduced or failing grade for the course regardless of performance.**

Absences due to illness will only be excused by a doctor's note. Three unexcused absences will result in a failing grade. Three times late equals an unexcused absence. One unexcused absence deducts ½% from "Attendance". Leaving class early without permission will be considered an unexcused absence. Please see Georgetown Undergraduate Bulletin for more information. Lectures and/or critiques begin promptly at 1:10PM. Do not be late.

Requirements: All assignments and critique work are due on the dates specified in the syllabus. Late assignments/critique work must be brought to the attention of the professor prior to the due date. **Any late submissions will be penalized by one full letter grade for each class up to two weeks. After two weeks it will be considered an F.** Students are to attend all lectures/critiques and will be graded on participation. Expect to **edit** a minimum 20 shots per assignment.

Camera Exercises: Two practice camera exercises. Hands on practice camera operations and camera techniques.

Practice Image Edits: Two projects practicing image edits. 20 images, per project, will be edited using Photoshop and/or Camera Raw plug-in, and each image will be edited using 5 to 10 different effects.

Presentation: An oral PowerPoint presentation critiquing a digital photographer.

Assignments: Two assignments related to hands on camera operations and post digital production using Adobe Bridge, Camera Raw plug-in, and Photoshop.

Exam (August 8th Monday): Technical aspects of digital photography, Adobe Bridge, Camera Raw plug-in, and Photoshop.

Final Project: Environmental Self Portrait in the style of David Hockney's photo composites.

All lab rules are to be followed at all times. All students are expected to follow and adhere to the **GU Code of Honor**.

Grading:Aesthetic Examples:

1. Does your subject matter accurately capture the theme of the assignment?
2. Is there meaning or storyline?
3. Do the principles of design accentuate the overall meaning of the image? For instance, do lines define the visual form? Do light and color/tonal values create the effect of a three dimensional form?

Technical Examples:

1. Is the image correctly exposed?
2. Is the image in focus?
3. Is depth of field and /or shutter speed successfully executed?
4. Are the applications of photoshop seamless?
5. Cropping image structurally organized?

Each image submitted for grading will receive points for both aesthetic and technical categories. These points will be added together to give you your overall grade for that image.

Example:

<u>Aesthetic:</u>	Visually Interesting	20pts
<u>Technical:</u>	Exposure/Shadow/Highlights/ and White Balance	15pts
	Post Production	5pts
	Focus	5pts
	Cropping	<u>5pts</u>
	Total	50pts

Overall Course Grading:

- 5% Attendance and Class Participation discussion and participation during critiques, assignment/exercise reviews, camera reviews, and presentations.
- 5% Two Camera Exercises hands on practice with camera operations.
- 5% Photographer presentation an oral Powerpoint presentation critiquing a digital photographer.
- 10% Image Edits - Two contact sheets containing 20 image edits each using Photoshop and/or Camera Raw.
- 20% Photography Exam - Technical exam on the aspects of digital photography and Adobe Bridge, Camera Raw, and Photoshop.
- 40% Two photography and Photoshop related assignments.
- 15% Final Project - Environmental Self Portrait in the style of David Hockney's photo composites.

GRADES:

A	94	B+	87	C+	77	D+	67
A-	90	B	84	C	74	D	64
		B-	80	C-	70	D-	60

SCHEDULE
Digital Photography 1/ Kelly Carr

Text: A Short Course in Photography: Digital, (4th Edition) Jim Stone and Barbara London. ISBN-13: 978-0134525815

July 11th M:

- Lecture: Introduction to course; review syllabus; basic camera operations.
- Lecture: Review depth of field, shutter speed, lens focal length, equivalent exposures, and design elements.

July 12th T:

- Lecture: Continue review basic camera operations. Practice hands on shutter speed/fstop, equivalent exposures and bracketing. Practice WB, ISO, review Kelvin color temperature, RAW vs. JPEG.
- Lecture: Review Camera Exercises 1 and 2.
- Assignment: Read: Chapter 1 Camera and Chapter 2 Lens.

July 13th W:

- Lecture: Continue review basic camera operations.
- Practice Camera Exercise 1.
- Assignment Read: Chapter 3 Light and Exposure, Chapter 4 The Digital Workplace Basics (Optional Reading), and Chapter 9 Seeing Like a Camera.

July 14th R:

- Lecture: Introduction to Bridge, Camera Raw, and Photoshop horizontal and vertical toolbar.

July 18th M:

- Lecture: Continue Photoshop horizontal and vertical toolbar.
- Lecture: Review Assignment One – Depth of Field and Shutter Speed.
- **QUIZ 1**
- Read: Chapter 7 Organizing and Storing.

July 19th T:

- Lecture and Lab: Practice edits with provided images and worksheet.

July 20th W:

- Lecture: Appropriating images from the internet. Review Transform and Liquify tools.
- Lab: Post production Assignment One.
- Lab: Sort/edit and create contact sheets Camera Exercises 1 and 2.

July 21st R:

- Lab: Post production Assignment One.
- Lab: Continue sort/edit and create contact sheets Camera Exercises 1 and 2.
- Read: Chapter 8 Using Light.

July 25th M:

- Lecture: Review Exam.
- Lecture: Review Powerpoint Photographer Presentation.
- Lecture: Review Assignment Two.
- Lecture and Lab: Practice portrait lighting and light painting.
- Lab: Post production Assignment One.
- Lab: Continue sort/edit and create contact sheets Camera Exercises 1 and 2.
- **QUIZ 2**

July 26th T:

- Lab: Post production Assignment One and Two.
- Lab: Continue sort/edit and create contact sheets Camera Exercises 1 and 2.
- Lab: Research Powerpoint Photographer Presentation.
- Lab: Research Exam Review sheet.

July 27th W:

- Lecture: Review Final Project.
- Lab: Post production Assignment One and Two.
- Lab: Continue sort/edit and create contact sheets Camera Exercises 1 and 2.
- Lab: Work on Image Edits part 2.
- Lab: Research Powerpoint Photographer Presentation.
- Lab: Research Exam Review sheet.

July 28th R:

- **CRITIQUE ASSIGNMENT ONE– CRITIQUE STARTS AT THE BEGINNING OF CLASS.**
- Camera Exercises 1 and 2 and Assignment One due.
- Lab: Post production Assignment Two and Final Project.
- Lab: Work on Image Edits part 2.
- Lab: Research Powerpoint Photographer Presentation.
- Lab: Research Exam Review sheet.

August 1st M:

- Lab: Post Production Assignment Two and Final Project.
- Lab: Work on Image Edits part 2.
- **QUIZ 3**
- Lab: Research Powerpoint Photographer Presentation.
- Lab: Research Exam Review sheet.

August 2nd T:

- Lab: Post Production Assignment Two and Final Project.
- Lab: Work on Image Edits part 2.
- Lab: Research Powerpoint Photographer Presentation.
- Lab: Research Exam Review sheet.

August 3rd W:

- Lab: Post Production Assignment Two and Final Project.
- Lab: Work on Image Edits part 2.
- Lab: Research Powerpoint Photographer Presentation.
- Lab: Research Exam Review sheet.

August 4th R:

- **ASSIGNMENT TWO CRITIQUE – CRITIQUE STARTS AT THE BEGINNING OF CLASS.**
- Assignment Two and Image Edits part 2 due.
- Lab: Post Production Final Project.
- Lab: Research Powerpoint Photographer Presentation.
- Lab: Research Exam Review sheet.

August 8th M:

- **EXAM**
- Lab: Post Production Final Project.
- Lab: Research Powerpoint Photographer Presentation.

August 9th T:

- **Powerpoint Photographer Presentations**
- Lab: Post Production Final Project.

August 10th W:

- **Powerpoint Photographer Presentations**
- Lab: Post Production Final Project.

August 11th R:

- **FINAL PROJECT CRITIQUE– CRITIQUE STARTS AT THE BEGINNING OF CLASS.**

MATERIALS – Digital I

Text: A Short Course in Photography: Digital, (4th Edition) Jim Stone and Barbara London. ISBN-13: 978-0134525815

This is currently in fourth edition, and available at the bookstore. However, you can order first through third edition for a fraction of the price online. Also, this book is available for rent/borrow at much lower price online.

Camera - Digital single lens reflex (DSLR) camera or mirrorless camera with manual adjustments of f/stops and shutter speeds will be required. Here are some examples that are in no particular order. **Also, it can be ANY DSLR or mirrorless, you are not limited to these.**

Nikon D3500
 Canon EOS Rebel T7i aka EOS 800D
 Nikon D5600
 Fujifilm XT30
 Fujifilm X-A7
 Sony alpha a6400
 Sony A7II
 Canon 90D
 Canon EOS Rebel T7 aka 2000D aka EOS 1500D
 Canon EOS Rebel SL3 aka EOS 250D aka EOS 200D Mark II
 Canon EOS Rebel T100 aka EOS4000
 Pentax K-70

UV or skylight filter to fit lens – **only if** your camera has a non-retractable lens get a UV or skylight filter to fit lens NOT THE LENS FOCAL LENGTH: A UV filter is used to protect your lens. It's a lot less expensive to crack or scratch a filter than a lens.

Screen protector - for digital display on back of camera.

Tripod - A small tripod will be necessary for longer exposures. A camera can't be hand held below 1/60 second. Nothing special and no more than \$50.

Back up camera batteries: At least one extra battery. Make sure they are charged. Bring charger with you if necessary.

2 - 32GB cards (minimum)

Memory card reader (if you do not have a SD slot on your computer or your camera card is not an SD card ie: micro SD, XQD or CompactFlash), or use USB cord for camera.

USB drive (minimum 32GB) or portable hard drive.

Camera and Lens cleaning kit - air dust blower, lens tissue and lens cleaner.

Camera bag - to protect camera.

Wireless Remote App or wireless remote (If available for your model).

Where to Buy Supplies:**Camera Stores:**

District Camera 1225 I St. NW, #110, DC www.districtcamera.com 202-483-0090
 3409 Wilson Blvd, Arlington, VA 22201 www.districtcamera.com 703-250-5555 ext. 2

Pro Photo 2000 Pennsylvania Ave, NW (202) 223-1292 Pro Photo is a great place to get your camera fixed, but their materials are expensive.

Amazon's Bundles have amazing deals! Search for the camera you are interested in and they have bundles with most of the class materials included.

B+H (NY) www.bhphotovideo.com

Adorama (NY) www.adorama.com

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