

Digital Photography 2

Scope and Sequence

Re-Created 4/2024 R.Weber

Full Content can be accessed at <http://www.TechEd.rocks>

<h3><i>Course Outline & Expectations</i></h3> <ul style="list-style-type: none">• <i>Proposed Scope and Sequence</i>• <i>Classroom Expectations</i> • <i>The Text book of Digital Photography</i> • <i>How to choose the right SD card</i>• <i>Capacity of an SD Card</i>	2 Days
<h3><i>The Digital Camera</i></h3> <ul style="list-style-type: none">• <i>Introduction</i><ul style="list-style-type: none">○ <u>How a Digital Camera Works</u><ul style="list-style-type: none">▪ <u>How a Digital Camera Works Video Questions</u>○ <u>Nikon D5200 manual</u><ul style="list-style-type: none">▪ <u>Introduction details for the D5200</u> ○ <u>The BEST Way to "Hand Hold" your camera</u>○ <u>QuickTip: Setting up a Tripod</u>○ <u>Transferring Images from your SD Card</u> • <i>Advanced Exposure Control</i><ul style="list-style-type: none">○ <i>Introduction</i><ul style="list-style-type: none">▪ <u>Understanding Exposure & Camera Settings</u>▪ <u>Aperture, Shutter Speed & ISO Information Sheet</u> ○ <i>ISO</i><ul style="list-style-type: none">▪ <u>ISO Explained</u>▪ <u>ISO Chart</u>▪ <u>The impact of ISO on a photograph.</u>	2 Weeks

- [Nikon ISO Settings](#)
- **Manual Exposure Control**
 - [Nikon Manual Exposure Settings](#)
 - **Shutter Speed**
 - **Shutter Speed - - as fast as Possible**
 - [The Camera Shutter - The Slow Mo Guys](#)
 - [Working with the Shutter Activity](#)
 - **Canon Exposure Simulator**
 - [Shutter Speed Class Assignment](#)
 - **Aperture**
 - **Understanding Aperture**
 - **Depth of Field (example)**
 - **F4.5**
 - **F22**
 - [iPhone Promo for Portraits](#)
 - **Working with the Aperture Activity**
 - **Canon Exposure Simulator**
 - [Depth of Field Basics](#) (Selective & Maximum Focus)
 - [Types Focus vs Depth of Field](#)
 - **The AF Area Mode**
 - [Aperture Size Class Assignment](#)
 - **Reciprocity**
 - **Definitions & Information for Reciprocity & Types of Focus**
 - [Aperture, Shutter Speed & ISO](#)
 - [The Exposure Triangle Simulator](#)
 - [Where Do You Start](#)
 - [Reciprocity Information Sheet](#)
 - [Reciprocity & Types of Focus Worksheet](#)
- **Exposure Bracketing**
 - [What is Bracketing?](#)
 - [How to use Bracketing](#)

- **Bracketing Activity & Worksheet**

Basic Photographic Techniques and Resources

8 Weeks

- **Photographic Lighting**
 - **Setting Up a Classic Photographic Studio**
 - **3 Point lighting set-up**
 - [Portrait Lighting Techniques](#)
 - [A Single Light Studio Techniques \(with Permission\)](#)
 - [Basic Video & Photographic Lighting Demonstration](#)
 - **Class Assignment**
 - [How to Photograph a Headshot with Butterfly Lighting](#)
 - **How to Shoot Group or Team Photos**
- **Camera Lenses**
 - [Focal Length, Speed, Stabilizing](#)
 - [Lens Basics](#)
 - [Focal Lens Activity Sheet](#)
 - [Focal Length Activity Examples](#)
- **Macro Photography**
 - **Macro Photography Basics**
 - [How To Use Macro \(Close Up\) Filters](#)
 - [Using an Extension Tubes for Macro Photography](#)
 - [Fundamentals & Equipment](#)
 - [Options in Macro Photography](#)
 - **Macro Lenses & Focal Length Selection**
 - [Lenses and macro accessories](#)
 - **Using Diopter Lenses**
 - **Diopter Photography Activity Sheet**
 - **What is it DiopterActivity**

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- **Using Extension Tubes**
 - *Extension Tube Activity Sheet*

- **Product Photography**

- [Product Photography Basics](#)
- [DIY Product Photos - Easy, Cheap and Good-looking](#)
- [Product Photography three Context Categories](#)
 - **Context Categories**
 - **Studio Shot**- Clear, Concise Images for e-Commerce
 - **LifeStyle Shot**- Showing the image in context of who or how it might be used.
 - **Dramatic Detail Shot** - Showing the craft or drama of a product.
- [Great examples of product Photography](#)

- **Creating Website Product Pages**
 - [What is a product page?](#)

[Download Product Page Templates](#)

- **Flash Photography**

- [When do I use a Flash?](#)
 - [How to Get Better Lighting with Camera Flashes](#)
 - [Camera flash for Beginners](#)
 - *Nikon Speedlight SB-700: Basics....*
 - *Flash photography: 5 essential tips*
- **Example Images using Master and Remote**
 - [Kitchen](#)
 - [Kitchen with Flash](#)
 - [Kitchen with Flash \(Master and Remote\)](#)

<ul style="list-style-type: none"> ▪ <u>Living Room</u> ▪ <u>Living Room with Flash</u> ▪ <u>Living Room with Flash (Master and Remote)</u> ▪ <u>Back of the Nikon SB-700 Flash</u> ▪ <u>Flash Photography Shooting Assignment</u> 	
<p><i>Special Photographic Techniques</i></p> <ul style="list-style-type: none"> ○ Forced Perspective Photographs <ul style="list-style-type: none"> ▪ <u>How to take forced perspective photos</u> ▪ <u>25 Forced Perspective Images</u> ▪ <u>How to Take Forced Perspective Photos</u> <ul style="list-style-type: none"> ▪ <u>Shooting Assignment</u> ▪ <u>Shooting Assignment - Grading Rubric</u> ○ Light Painting <ul style="list-style-type: none"> ▪ <u>Light Painting Tutorial</u> ▪ <u>Light Painting Worksheet</u> ▪ Class Assignment ▪ Student Examples ○ Shadow Photography <ul style="list-style-type: none"> ▪ <u>Creative ideas for shadow photography</u> <ul style="list-style-type: none"> ▪ Create Dramatic Portraits with Shadow Photography ▪ <u>Embrace your Shadows: A lesson for Light and Life</u> ▪ <u>Shadow Photography Worksheet</u> ▪ <u>Class Assignment</u> ▪ Student Examples ○ Sihouettes <ul style="list-style-type: none"> ▪ Creating a Simple Silhouette ▪ Camera Settings ▪ Student Examples 	<p>3 Weeks</p>

<ul style="list-style-type: none"> ○ Reflection Photography <ul style="list-style-type: none"> ▪ Intro to Reflection Photography ▪ Reflection Worksheet ▪ Class Assignment ▪ Student Examples 	
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<p><i>Editing your Digital Images</i></p> <ul style="list-style-type: none"> • Photoshop <ul style="list-style-type: none"> ▪ Photoshop Key press Shortcuts • Review Activities ○ The Image Menu <ul style="list-style-type: none"> ▪ Image Menu Demo ▪ Class Assignment: Image Menu Activity ▪ Image Menu Activity ▪ Images <ul style="list-style-type: none"> ▪ Folder containing Images (click and download) ○ Layers <ul style="list-style-type: none"> ▪ What is a Layer? ▪ Types of Layers <ul style="list-style-type: none"> ▪ <i>Background Layer - a layer that duplicates the original image.</i> ▪ <i>Image Layer</i> <ul style="list-style-type: none"> ▪ Creating a Composite Image with multiple Image Layers <ul style="list-style-type: none"> ▪ <i>Images for Composite Image</i> ▪ Office Desk Composite Images ▪ Cartoon Characters Composite Image 	<p>4 Weeks</p>
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Folder

- **Text Layer**
 - [Adding Text to an Image](#)
 - **Images**
 - [Santa and Reindeers](#)
 - [Class Assignment - Text Layers](#)
 - [Feeling Chart](#)
- **Adjustment Layer**
 - [Introduction to Adjustment Layers](#)
 - [How to use Adjustment Layers in Photoshop CS6](#)
 - [Class Assignment: Adjustment Layer Activity](#)
 - **Images**
 - [Elephant](#)
 - [Flower](#)
 - [Sailing Ship](#)
 - [Tornado](#)
 - [Earth](#)
 - [Canal](#)
 - [Shooting Assignment: Basic Editing and Adjustment Layers](#)
 - [Basic Editing and Adjustment Layers - Rubric](#)
- **Creating 3-D Images**
 - [Introduction to 3-D Effects in Photoshop](#)
 - **3-D Worksheet**

<ul style="list-style-type: none"> ▪ Class Assignment ▪ Student Examples 	
<p><u>Capstone Project</u></p>	2 Weeks
<ul style="list-style-type: none"> ▪ Video Editing <ul style="list-style-type: none"> ▪ . Every editing software has a different set of specifications, but the basics of editing are the same regardless of the software used or the purpose of the project: ▪ Video Editing Example ▪ Video Editing Fundamentals ▪ 10 Lessons from the Top Film Editors ▪ <ul style="list-style-type: none"> ▪ Hollywood's History of Faking It The Evolution of Greenscreen Compositing ▪ <i>Adobe Premiere Pro CC 2018</i> ▪ Premiere Pro Work Space <ul style="list-style-type: none"> ▪ Detailed description of workspace ▪ Time Line Tools ▪ Learning Activities <ul style="list-style-type: none"> ▪ <i>Basic Editing Techniques</i> <ul style="list-style-type: none"> ▪ <u>Activity #1 - Retrieving and Combining video segments</u> <ul style="list-style-type: none"> ▪ Activity #1 Files ▪ Snowboarding ▪ <u>Activity #2 - Retrieving and Combining video segments</u> <ul style="list-style-type: none"> ▪ <u>Activity#2 Files</u> ▪ Surfing 	1 Week

- [Activity#3 - Trimming video clips, Adjusting audio track](#)
 - [_Activity#3 Files](#)
 - [Car Racing](#)
 - [NEW Auto Ducking Premire Pro 2018](#)

- [Activity#4 - Trimming video clips, Adjusting audio track](#)
 - [_Activity#4 Files](#)
 - [Planet Earth](#)

- [Activity#5 - Video and Audio Fade](#)
 - [_Activity#5 Files](#)
 - [Fade In / Fade Out](#)

- **Activity #6 - Adding Video Transitions**
 - [_Activity#6 Files](#)
 - [Video Transitions](#)

- [Activity #7 - Adding Text to a Video Clip](#)
 - [_Activity#7 Files](#)
 - [Seasons](#)

- **Activity #8 - Creating Text Effects using Video Transitions**
 - [Seasons \(Text Effects\)](#)

- **Activity #9 - Creating the opening for a Video Broadcast**
 - **Opening for a Video Broadcast**
 - **Video Broadcast Files**

<ul style="list-style-type: none"> ▪ Activity #10 - Creating a Slide Show Video <ul style="list-style-type: none"> ▪ Activity#10 Files ▪ Gettysburg Address ▪ Activity #11 Broadcast segment <ul style="list-style-type: none"> ▪ Activity#11 Files ▪ Broadcast segment 	
<p>Careers in Photography <small>(Careers that pay the Bills)</small></p> <ul style="list-style-type: none"> ○ <i>Portrait Photographer</i> ○ <i>Commercial Photographer</i> ○ <i>Scientific Photographer</i> ○ <i>Photojournalist/News Photographer</i> ○ <i>Freelance Photographer</i> 	<p>1 Week</p>