

**“Improve Your Image”  
Mastering the Art of Digital Photography**

**A Multimedia Presentation.....**

**Class Presented by: *SierraTech***



## **Class Syllabus**

**2-Day Class:**

**Dates: October 7 & October 14, 2006**

**Location: North Tahoe Community Church  
300 Country Club Drive, Incline Village NV**

**Time: 10:00 AM to 2:00 PM**

**Limited Class Size: 12 Students Max (\$295.00 per Student)**

**Sign up and Pay online securely: [www.sierratech.org](http://www.sierratech.org) (Visa or Master Card)**

**Phone Reservations: (775) 831-1232**

# **1 Introductions (Day 1)**

## **2 Which Camera Classification is Right For You?**

### ***2.1 Point & Shoot versus Single Lens Reflex (SLR)***

#### **2.1.1 Camera Physical Size (Pros & Cons)**

#### **2.1.2 Viewfinders**

##### **2.1.2.1 LCD**

##### **2.1.2.2 Optical**

##### **2.1.2.3 Through The Lens (TTL/SLR)**

#### **2.1.3 How D-SLR Cameras Work**

#### **2.1.4 Camera Batteries (Type and Care)**

### ***2.2 Shutter Lag & Camera Boot Time***

### ***2.3 D-SLR Versus Point & Shoot***

### ***2.4 Using Digital Camera to Record Video (Camera Support Varies)***

### ***2.5 Electronic Copy of Your Camera's Manual***

### ***2.6 What Makes a Great Camera (3 Key Devices Defined )?***

#### **2.6.1 Lens Quality**

##### **2.6.1.1 Interchangeable Lenses**

##### **2.6.1.2 Zoom Ratio (Optical Versus Digital Zoom)**

#### **2.6.2 Camera Imaging CCD: How Digital Imaging Works (What is a Pixel)**

### ***2.7 Why Shoot Using Different Resolutions***

#### **2.7.1 The Photo Processor**

## **3 Auto Focus & Macro Use**

### ***3.1 Light Assist***

### ***3.2 Passive Auto Focus***

### ***3.3 Purpose of Macro (Changes Focal Length)***

## **4 Exposure Control**

### ***4.1 Shutter Speed***

### ***4.2 Lens Aperture***

### ***4.3 ISO Speed***

## **5 Exposure Control (Exposure Value *EV* Defined)**

### ***5.1 Photography Mode Selection (Camera Support Varies)***

#### **5.1.1 AUTO Mode**

#### **5.1.2 Program Auto (Shift)**

#### **5.1.3 Shutter Priority**

#### **5.1.4 Aperture Priority**

#### **5.1.5 Manual Exposure (Advanced Topic)**

### ***5.2 Maintaining Exposure Value***

### ***5.3 Auto Focus / Auto Exposure Lock (AF/AE)***

### ***5.4 Exposure Compensation (Shooting in Mountains & Desert)***

## **6 Using Zoom Effectively**

## **7 Flash Pictures**

### ***7.1 Prevent Red Eye***

### ***7.2 Flash Fill Applications***

### ***7.3 Know your Flash Distance Limitation***

## **8 Image Composition**

## **9 Record a Voice Memo (Camera Support Varies)**

## **10 Photo Document Applications**

## **11 Capturing the Image (Day 2)**

### **12 Review (Exposure)**

### **13 How Was Picture Taken (Evaluate Photographs)**

### **14 Picture Storage (Flash Memory Cards)**

### **15 Graphics Format (How Image is Stored in Camera)**

#### ***15.1 JPEG***

#### ***15.2 TIFF***

#### ***15.3 RAW***

### **16 Displaying and Printing Photographs**

#### ***16.1 Display in Camera***

#### ***16.2 How to Display Pictures on TVs and Monitors***

##### **16.2.1 Direct Video Link Demonstration**

##### **16.2.2 DVD Players with JPEG CD Reader**

##### **16.2.3 Monitors with Built-in SD or PCMCIA Card Readers**

#### ***16.3 Using Photo Printers***

#### ***16.4 Using PictBridge (Camera & Printer Support Varies)***

#### ***16.5 Print Using Software Applications From Computer***

### **17 Methods of Transferring your Pictures to Computer**

#### ***17.1 Windows XP Detection***

#### ***17.2 USB (1.1 versus 2.0)***

#### ***17.3 Card Readers (Built into Computers & Printers)***

#### ***17.4 Wireless (802.11b/g)***

### **18 Exploring Software to Organize & Edit Your Images**

**18.1 Using Windows XP (Built-in Slide Show)**

**18.2 Demonstration of Fuji's Software (Included With Camera)**

**18.3 Photoshop Introduction**

**18.3.1 Example Photo Enhancements**

**18.4 Free Software Tools Demonstration**

**18.5 Adobe PhotoShop Elements 4.0 - Introduction**

**19 How to Share & Store Pictures Online (Live Demonstration)**

**19.1 Shutterfly**

**19.2 Kodak EasyShare**

**19.3 Yahoo**

**19.4 AOL**

**20 Capturing 35mm Slides and Film**

**21 Searching Camera Manual Electronically (Live Demo)**

**22 How to Edit Your Images: Live Demonstration of Tools**

**22.1 PhotoShop Elements**

**23 How to Archive your Photos (Live Demonstrations)**

**23.1 Backing up on CDs or DVD (Windows XP)**

**23.2 Backing up on CD Using Free Tools**

**24 Class Survey**

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