

## **Lesson 1: Choosing and Evaluating Digital Cameras**

### **Comparing Digital Cameras to Film Cameras**

The CCD

### **Understanding the Types of Digital Cameras**

Compact Point and Shoot Cameras

Compact Cameras with Digital (Electronic) Viewfinders

Digital SLR Cameras

### **Buying a Digital Camera: Features to Look For**

Comfort and Ease of Use

Resolution

Megapixels and Print Size

LCD

Lens

Shutter Lag and Image Processing Time

Shooting Modes

Batteries

Memory Cards

### **Researching Digital Cameras**

Where to Look

Finding the Best Camera for You

Matching the Camera to the User

### **Concepts Review**

### **Skill Builders**

## **Lesson 2: Working with Camera Manuals, Memory Cards, and Composition Basics**

### **Using the Instruction Manual**

Same Idea, Different Words

### **Dealing with Memory Cards**

Storage Capacity

Proper Handling

### **Using Optical Viewfinders and LCDs**

Composing with the Optical Viewfinder

Composing with the LCD

Composing with Focus Lock

### **Learning About Composition Basics**

Organization

Landscape Pictures

Pictures of People

### **Concepts Review**

### **Skill Builders**

## **Lesson 3: Working with Memory Cards and Image Review**

### **Working with Storage Media**

Image Replay

Locking Photos

Deleting Photos

### **Transferring Images**

Transfer Methods

Memory Card Readers

### **Formatting Memory Cards**

Formatting a Memory Card in Your Camera

### **Organizing Photographs**

How to Organize Photos

### **Backing Up Your Digital Photos**

CD Burners

### **Caring for and Handling CDs**

Tips for Long-Lasting CDs

### **Concepts Review**

### **Skill Builders**

## **Lesson 4: Working with Customized Camera Settings**

### **Introducing Shooting Modes**

Fully Automatic Mode

### **Introducing Scene Assist Modes**

Portrait Mode

Sports Mode

Landscape Mode

Night Portrait Scene

Macro (Close-Up)

### **Exploring Flash**

Fully Automatic Flash Mode

Fill Flash Mode

Triggering the Flash

Red-Eye Reduction

### **Introducing the Self-Timer**

Why Use the Self-Timer?

### **Exploring Drive Modes**

Shutter Lag

### **Concepts Review**

### **Skill Builders**

## **Lesson 5: Exploring Exposure**

### **Learning About Exposure**

The Built-In Light Meter

### **Introducing Aperture**

What Is an F-Stop?

### **Introducing Depth of Field**

What Is Depth of Field?

Aperture Priority Mode

### **Setting Shutter Speed**

Shutter Speed Priority Mode

### **Adjusting Exposure**

Exposure Compensation

### **Setting Exposure Compensation**

Auto Exposure Lock (AE-Lock)

Exposure Bracketing

### **Working with Sensor Sensitivity**

Why Change the ISO?

Effects of High ISO Settings

### **Concepts Review**

### **Skill Builders**

## **Lesson 6: Exploring Resolution, Compression, and File Formats**

### **Working with Resolution**

Why Worry About Megapixels?

Changing the Resolution for Each Picture

### **Compressing Image Files**

Compression Defined

How Compression Shrinks Files

Compression and Image Quality

How Does Compression Differ from Resolution?

Choosing a Compression Setting

### **Working with File Formats**

Strengths and Weaknesses

Common Digital Camera File Formats

### **Concepts Review**

### **Skill Builders**

## **Lesson 7: Adjusting Color with White Balance Settings**

### **Introducing Color Temperature**

Measuring Color Temperature

### **Introducing Color Balance**

Color Casts

### **Choosing and Using White Balance Settings**

Why Is It Called White Balance?

White Balance Settings on Your Camera

Automatic White Balance Adjustment

Preset White Balance Adjustments

### **Working with Custom White Balance**

Example

Cameras Without Custom White Balance

Using White Balance as a Creative Tool

### **Concepts Review**

### **Skill Builders**

## **Lesson 8: Outputting to Printers and the Web Printing Your Digital Photos**

Personal Inkjet Printers

Printers That Do Not Need Computers

Self-Service Photo Kiosks

Photo Labs (Over-the-Counter Service)

Online Labs

### **Optimizing Files for Email Attachments**

Attaching Photos to Email Messages

### **Concepts Review**

### **Skill Builders**

## **Lesson 9: Using Your Digital SLR**

### **Outlining the Advantages of Using a Digital SLR**

Faster Picture Taking

A Larger Sensor Means Less Noise

Using the dSLR Viewfinder

Focusing Manually

Gaining More Depth of Field Control

### **Choosing a Digital SLR**

Features to Look For

Which Model Do I Choose?

### **Exploring the dSLR**

Basic Controls

Auto or Manual Focus

Metering Modes

### **Using Advanced Controls**

Using the Histogram and Highlight Display for Correct Exposure

Using Color Temperature Settings

Additional Custom Settings

### **Choosing Lenses and Filters**

Lenses

Filters

### **Choosing Photo Formats**

### **Caring for Your Camera**

Cleaning the Camera Body

Cleaning and Caring for Lenses

Cleaning LCD Displays

Cleaning the Sensor

### **Concepts Review**

### **Skill Builders**

## **Glossary**

## **Index**