Exposure

Exposure is measured by your camera's light meter and is controlled by the balance of aperture, shutter speed and ISO settings you (or the camera's computer) select. This balance determines how light or dark a photo appears.

Aperture

Aperture is an opening in the lens allowing light to reach the sensor. Measured in "f-stops," the bigger the number is, the narrower the opening is. Narrow apertures (like f/22) allow more depth of field (level of sharpness from the front/foreground to the back/background of the image). Wider apertures (like f/2.8) allow less depth of field, but help blur the background of photos.

Shutter Speed

Shutter Speed is the time the camera's shutter is open allowing light to reach the sensor. Measured in fractions of a second, the faster a shutter speed is the less motion blur you will see in photos. Fast shutter speeds (like 1/250) will freeze action while slow shutter speeds (maybe in full seconds like 1") will blur action.

ISO

ISO is a setting that controls how sensitive your camera's sensor is to light. The lower the number (like 100) the less sensitive a sensor is. This is a good setting for bright, sunny days. The higher the number (like 1600) the more sensitive a sensor is. This is a good setting for dimly-lit indoor settings. Noise looks like film grain and can occur at higher ISOs.

Lenses

Lenses are available in wide angle (from 8-35mm, often used for landscapes) allowing a wide peripheral vision in a photo; normal (35-80mm, often used for portraits) allowing angles similar to how human eyes would see; or telephoto (80-1000+mm, often used for sports and wildlife) allowing a close view of a subject when the photographer is physically far away.

	ISO	Shutter Speed	Aperture
Darker			
	-Noise	-Motion Blur	+Depth of Field
	25-	1/1000+	f/32+
	50	1/500	f/22
	100	1/250	f/16
	160	1/125	f/11
	200	1/60	f/8
	400	1/30	f/5.6
	800	1/15	f/4
	1600	1/8	f/2.8
	3200	1/4	f/2
	6400	1"-	f/1.8
Lighter	12,800+	BULB	f/1.4
	+ Noise	+ Motion Blur	- Depth of Field

White Balance

White Balance is a setting which allows the camera to adjust for the "temperature" (warm or cool colors) of light based on the type of situation the photographer is in.

RAWS or JPGs

RAWs or JPGs are choices of file types your camera can save photos when they are taken. RAW files are larger and allow the greatest flexibility in developing photos but may require special software. JPG files are smaller but are easily opened by a variety of software programs.

Learn Today. Succeed Tomorrow.

About The Fort Collins Digital Workshop

We work to create the perfect training solution for you.

Founded in 2006, The Fort Collins Digital Workshop is a locally-owned independent computer training school offering classes on almost all major software programs, desktop applications, business solutions and advanced computer training concepts.

Courses at The Fort Collins Digital Workshop are held in a small classroom setting, with a typical maximum of sixteen students per class. They are taught by trained experts who understand the importance of hands-on, personalized training.

Our Classes

Classes at The Fort Collins Digital Workshop take place in one of three formats:
–One-day, intensive courses available Monday-Saturday
–Evening lecture-style classes that take place in three-hour class sessions
–Private One-on-One Instruction

Included with every class:
–Textbook or training packet to assist you with your continued learning
–One free re-take of the same course within one year of original course date (attended students only)
–One month of free technical support

Course List

Microsoft Office©
 Excel©
 PowerPoint©
 Word©
 Publisher©
 Access©
 Outlook©
 Project©
 Visio©

Adobe Creative Suite©
 Photoshop©
 InDesign©
 Illustrator©
 Dreamweaver©
 Premiere Pro©
 After Effects©

Website Design & Development
 HTML/XHTML/CSS
 WordPress©
 Search Engine Optimization
 Javascript©
 PHP©
 Google Apps©

Digital Photography
 Intro to Your DSLR Camera
 Understanding Your Digital Camera

Business Solutions
 Quickbooks©
 Social Media for Business
 Crystal Reports©

Find our full course schedule and more Cheat Sheets online!