



Digital Photo Workshops with Rod Klein

Underwater Digital Stills and Video Distinctive Specialty



Until just recently, the ability to take photographic images underwater without film was just a wild dream, but with the recent explosion of small, high quality all-digital still cameras this dream is now a reality.

The ability to shoot video underwater has been in use for a number of years but with the introduction of the extremely small and ultra high quality mini DV cameras this landscape has also changed drastically. In addition, the desktop computer revolution has made the "digital darkroom" and non-linear computer video editing available to almost anyone. With this in mind, and with the tremendous interest in both digital stills and digital video, we feel that there is now a place for the "Underwater Digital Specialty" course.

COURSE OUTLINE

OBJECTIVE: The purpose of this course is to give the students a complete overview of digital still and / or digital video cameras, housings, lighting, exposure, storage, computer editing, and still image manipulation. At the end of this course students will be able to use a digital still and / or video camera underwater; transfer images to a computer; print an image (digital stills) or edit a one minute video (digital video).

Summary

At the end of this course the students will have a complete working knowledge of digital still and video cameras. They will complete a short 1-2 minute video or a 3-5 print portfolio of underwater images at the end of the course. They will have both the knowledge and experience to continue their digital still or video projects.

BASIC CAMERA LESSONS

- How digital cameras work vs. standard film cameras
 - Lenses; aperture, shutter speeds; manual vs. program mode
 - Film vs. Digital Media storage
 - The digital viewfinder
 - What are mega pixels? Is 3.3 better than 2.2
- Difference in Aspect ratio of digital vs. film
- Digital Storage: smart media, smart card, floppy disks, cd-r
- Digital Video vs. Digital 8 vs. Hi 8
- Underwater Housings: Electronic vs. Manual
- Exposure
 - Digital Metering systems
 - Auto exposure; manual exposure
- Lighting
 - Use of strobes and available light
 - Why Red filters work great with digital cameras?
 - Using the viewfinder to preview the image and change exposure adjustments
 - Strobe Arms
- Macro, Wide Angle, Flat ports
- Maintenance: fewer o-rings with digital cameras and housings
 - Traveling with your camera and housing
 - Protecting your investment
 - The Fresh Water Rinse
 - Camera Tables
 - Camera Table etiquette
 - Disassembly and Storage

DIGITAL WORKSHOPS



Belize Aggressor III

\$1,995 p.p. dbl. occ.

May 18 - May 25, 2002

May 25 - June 1, 2002



Cayman Aggressor IV

\$1,995 p.p. dbl. occ.

Sept. 7-14, 2002

Sept. 14-21, 2002

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SHOOTING UNDERWATER

- Previde video and image presentation
- Exposure and Lighting
- Framing your shot: Get close; shoot up
- For Video: The Master Shot; medium shot; and close up
 - *Shooting to edit in the computer*
 - *Editing in the camera*
- Your buddy and your model
- Shoot various angles
- The Silhouette
- Using your red filter
- Your lens choice: wide angle or macro

THE DIGITAL DARKROOM AND COMPUTER EDITING

- Editing with Adobe Premiere
 - *Capturing video from your camera to your computer*
 - *Using your camera as a source deck*
 - *Setting Editing Preferences*
 - *What is Non-linear editing*
 - *Using Music*
 - *Using stills as image sources*
 - *Transferring your editing video back to tape*
- Using Adobe Photoshop and Paint Shop Pro
 - *Getting your images into the computer*
 - *USB and smart card readers*
 - *Organizing files into folders*
 - *Manipulating your images*
 - Eliminating backscatter
 - Increasing contrast and brightness
 - Changing colors
 - Making your images sharper
 - Making image montages
 - *Making the final color print*
 - Using high quality photo papers
 - Choosing the right inks
 - Cropping the image for printing
 - Storing your new photos



ABOUT ROD KLEIN...

Web Designer, Underwater Videographer and Digital Photographer Rodger Klein has been making video and still images since 1971. He studied Photography and Design at the prestigious Art Center College of Design in Los Angeles, and has a Master of Fine Arts degree from UCLA.

Rod taught Photo and Video courses at UCLA and Immaculate Heart College in Los Angeles and was one of the first to use the first Sony portable video "portapak" in 1971. Along with his brother, Rod produced and directed a 30-minute documentary for PBS in 1975. He has two emmy nominations and a DV Magazine Media Masters Award.

Rod previously worked over 15 years in the television industry as an editor, special effects graphics designer and director. He worked for Entertainment Tonight for six years and has directed and edited numerous commercials and music videos.

Ten years ago, Rod became a PADI Open Water Instructor and then a Master Scuba Diver Trainer. He is also a Nitrox Instructor and is certified to teach seven specialty courses. Together with Wayne Hasson, Rod authored the Underwater Digital Imaging Distinctive Specialty.

Rod worked as dive instructor and dive guide in Kona, Hawaii for five years and also at Club Med in the Turks & Caicos and Cancun. He has over 2,000 logged dives.

Wanting to combine his love of diving and dive instruction with his creative background, Rod has developed his web and digital skills over the past years. He has extensive experience with digital video and stills. He is an expert in Adobe Premiere, Photoshop, Paint Shop Pro and most web and digital media tools. In addition, Rod is a beta software tester for numerous graphics software products including Boris Effects, Adobe Premiere and Media Cleaner Pro.

He is currently owner of RHK UW Productions and Design www.rhkuw.com, specializing in web design, web video, and promotional videos for the dive industry. Rod's clients include: Light and Motion Industries, www.uwimaging.com; Kungkungan Bay Resort Indonesia, www.kungkungan.com; Eco-Adventures Dive Center, Kona; Diving Unlimited Int; www.livedivepacific.com and the Aggressor Fleet. You can see some of Rod's video work on the Aggressor web site in the Video/Screen Saver section.

Join Rod on one of the scheduled weeks, and find out all you ever wanted to know about digital imaging, non-linear editing, and the digital darkroom.



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