

SPECIALIZATION OF UNDERWATER PHOTOGRAPHY

Today's world is changing and developing very quickly. Things that were unavailable quite recently, are now entirely common. The absolute evidence of this is the underwater photographing. Launch of digital technology enabled a fast spread of underwater cameras, video cameras and underwater casings. The most important things were ensured by the great competition among producers, which made prices of this technology accessible to wide ranks of divers, for whom the course of Underwater Digital Photography is designed. The theoretical part of the course takes place in the study room, the practical part in the pool, closed water, or in open water, for example in sea. Graduates from the courses learn the basics of taking photographs under water, or they can expand their earlier acquired knowledge in the advanced course with the use of professional recording technology.

CONTENT OF THE COURSE

BASIC COURSE:

- Introduction to the underwater photography
 - System of digital photographic technology
 - Work with digital technology under water
 - Movement under water with recording technology
 - Making photoshots under water
 - Composition of underwater shots
 - Editing of underwater photographs
- ##### **ADVANCED COURSE:**
- Professional underwater photographic technology (PPFT)
 - Analogue and digital PPFT – differences and advantages
 - Flash devices, more flashes, work in the SLAVE regime

- Work with PPFT in demanding conditions - shipwrecks, caves, currents
- Equilibration of white, record of the image in the regime RAW
- Elaboration of the image in the program Adobe Photoshop
- Underwater film, work with digital video cameras of the HDD format

TRAINING TECHNOLOGY

The lessons proceed with the use of semi-professional and professional devices for underwater photographing and filming. Thus, graduates can familiarize themselves with this technology not only in a theoretical way but above all in a practical way.

What is available: Nikon 8008s with the casing Ikelite 80s, Olympus E20P with the casing Light and Motion - Titan, Nikon D70 with the casing Sealux CD70-GD and Nikon D2X with the casing Sealux CD2-GD. Objektivy Olympus 9-36, Nikkor 12-24 ED DX, Nikkor 17-55 ED DX, Nikkor 18-70 ED DX, Nikkor 10,5 mm ED DX Flash devices Ikelite 400, Ikelite 125D, Ikelite 100 and two control flashes Nikon SB-800 with casings Sealux CX800-BU and direct underwater lights of the stationary MTS headlamp 300 W/12V, mobile Green Force and Technisub. For filming: video camera SONY HDD F1 30 GB with the casing

TRAINING IN POOL

The basic lessons and familiarization with professional photographic technology takes place in the pool. You will learn there to control and set the devices under water, to manipulate with them, you will learn arrangement, orientation and setting of flash lights. Equilibration of photographic cameras and of the white colour under water, work with the camera in automatic, semi-automatic and manual regimes. Methods of photographing of both stationary and moving, big and microscopic objects are trained. In the framework of the course, students work with technologies of various brands and they have possibility to try out a whole series of lenses, fixed focal-length or zoom lenses.

TRAINING IN OPEN WATER

After acquiring practical experiences and habits with handling and use of the devices, the further work already takes place in open water. However, to be able to do this step, it is necessary to have a perfect knowledge, to use photographic technology virtually „without looking“, but above all to master diving skills absolutely perfectly and subconsciously.

It is best to start photographing and filming under water in coral, warm and pellucid seas. There are many objects suitable to being photographed, everything is very colourful and already the first results can be very good. This is very important for further development and enthusiasm of the beginning diver - photograph. For experienced divers with great practice, it is possible to organize training even under more complicated conditions of caves, shipwrecks or with water of lower visibility, according to the level of their diving licence.