



Advanced Wreck Instructor Program

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The TDI Advanced Wreck Instructor Program trains the instructor how to conduct the Advanced Wreck program that allows penetration into underwater wrecks. Instructors from agencies recognized by TDI who meet the prerequisites may be qualified to attend the TDI Advanced Wreck Instructor program. If this is the first program they are completing through TDI, more time will need to be spent on the core topics listed below. Once an instructor has completed their initial TDI Advanced Wreck program, or any initial TDI Instructor program, they will need only to focus on the course specific content for future programs.

Objectives

The object of this program is to:

- Introduce the instructor to TDI
- Introduce the candidate to the TDI Instructor Guide and Student materials
- Demonstrate how to use the TDI Advanced Wreck materials to train a new diver
- Teach the instructor “How to Conduct” the TDI Advanced Wreck Diver program
- Demonstrate how to register and certify a new TDI Advanced Wreck diver

Prerequisites for TDI Advanced Wreck Instructor Program

See the current TDI Advanced Wreck Instructor standards for the prerequisites and requirements for this program.

Materials Required

Teaching any program with outdated materials is just asking for problems. The trainer must confirm that their materials are current and each instructor has the current materials with which to teach the program.

Instructor Trainer

- TDI Advanced Wreck Diver Manual
- TDI Advanced Wreck Diver Knowledge Quest
- TDI Advanced Wreck Instructor Guide
- TDI Advanced Wreck PowerPoint Presentation®
- TDI Instructor Trainer Manual



Instructor Candidate

- TDI Advanced Wreck Diver Manual
- TDI Advanced Wreck Diver Knowledge Quest
- TDI Advanced Wreck Instructor Guide
- TDI Advanced Wreck PowerPoint Presentation®

Note: Prior to beginning the program the instructor candidate should review all instructor and diver materials and complete all knowledge quests and final exams so they are completely familiar with the subject matter and the support materials to teach the TDI Advanced Wreck Diver program.

The topics to be covered are:

- Welcome and Course Orientation
- The TDI Instructor*
- Dive Leader Risk Management*
- Methods of Instruction*
- Business Side of Diving*
- Courses a TDI Instructor Can Teach Advanced Wreck

*Core Topics: These core topics will be found in Part One of this manual; IT Information.



Welcome and Course Overview

Paperwork

- Instructor Registration Form
 - Personal Information
 - Liability Release
 - Medical Statement

Let's Get to Know Each Other

Professional Staff

Participants

- Your name?
- What type of technical diving experience do you have?
- Which technical diving activities interest you the most?
- Why are you interested in becoming a technical instructor?

About This Program

Course Objective

- Develop the appropriate knowledge and skills that are expected of every dive professional



Subject Areas

- The TDI Instructor
- Dive Leader Risk Management
- Methods of Instruction
- Business Side of Diving

Structure and Schedule

- Independent Study
- Classroom Presentations
- Confined Water Training
- Open Water Training

Required Equipment

- Items you'll need for this course

Any Questions?

The TDI Instructor

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Refer to Instructor Trainer Manual Part 1 Instructor Training Process

Chapter 2-The SDI/TDI/ERDI Instructor



Dive Leader Risk Management

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Refer to Instructor Trainer Manual Part 1 Instructor Training Process
Chapter 3-Dive Leader Risk Management

Methods of Instruction

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Refer to Instructor Trainer Manual Part 1 Instructor Training Process
Chapter 4-Methods of Instruction

Business Side of Diving

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Refer to Instructor Trainer Manual Part 1 Instructor Training Process
Chapter 5-Business of Diving



Teaching the TDI Advanced Wreck Diver Program

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- Program overview

- Classroom requirements

- Students are required to become familiar with: risk and hazards of overhead environments, the inability to make a direct ascent to the surface when in an overhead environment, use of a reel as a navigational tool. An Instructor must be able to demonstrate instructor level knowledge on all topics and skills in the current TDI Advanced Wreck Diver standards.

- Pool / confined water requirements

- While a pool / confined water session is not required, an instructor may take this opportunity to conduct an update with divers who have been inactive for a period of time, or conduct a skill evaluation to help the students become better divers. This is the ideal setting to conduct buoyancy skills, trim and equipment configuration. If the depth of the pool/confined water permits, this is also a great setting to introduce and practice lift bag drills, line drills and blacked out or no mask skills.

- Open Water Requirements

- Six dives with a minimum of 100 minutes of bottom time are required. If this program is conducted in conjunction with other allowed courses, the four dives plus the required number of dives from the other program are required. For the open water dives it is best to take divers progressively deeper into the wreck so they get a slower introduction to overhead diving. The first couple of dives can be started on the outside of the wreck so divers get a sense of how the wreck is oriented and entry and exit points. This also allows an opportunity for the instructor to monitor the comfort level and abilities of the diver.



- Materials

- Review all diver materials to make sure the instructor candidate is familiar with all diver materials and how they are supported by the instructor materials.

- Diver Materials

- Online

- Printed

- Required paperwork

- Discuss in detail how the instructor should complete the required paperwork

- The instructor candidate must be familiar with all forms and be able to answer any question a diver may have regarding the completion of those forms

- Diver Training Folder

- Waiver

- Medical Questionnaire

- Complete a thorough review of the appropriate TDI Instructor manual including:

- How to conduct:

- Academic sessions

- Cover helpful hints on how to teach more involved subjects

- Pool/ Confined water sessions (if one is conducted)

- Helpful hints on:

- How to teach skills

- Conducting an update / skill evaluation

- Possible problems an instructor may experience



- How to deal with those problems
- Open water sessions
- Helpful hints on:
 - How to conduct skills in open water vs pool/confined
 - Possible problems an instructor may experience in open water
 - How to deal with those problems

List of tips on how to teach various aspects of this program include:

Hazards of wreck diving – divers should have a clear understanding of the potential hazards when entering into a wreck such as: silt outs, percolation silt, line traps/hazards, lost line, lost buddy.

Equipment Requirements – because there may not be ambient light available, the importance of lights and back-up lights should be explained to divers. It is equally important to explain the need for more than one reel should the first one get fouled or the line cut.

Dive Planning – planning to dive a wreck is like no other dive planning. It normally starts with researching the wreck, how it got to where it is and what its function was while it was floating. Teaching divers the basic wreck research techniques makes them have a better appreciation for the wreck dives they will be doing. From there the divers can begin the normal emergency planning, buddy protocols and dive objective.

List of academic / pool-confined water / open water topics for candidate to present:

Equipment Considerations

Procedures

Hazards of wreck diving



Penetration lines

Research and locating

Contingency planning

Scheduling Options for this program

Courses can be scheduled with a one to one ratio, as a group or scheduled in conjunction with other TDI courses. Each of these will require different time commitments and scheduling logistics. A course with one advanced wreck diver will take less time than if combined with another TDI course with a group. Another logistical consideration is weather. As most wreck dives are conducted from boats, dives can get ‘blown out’ so alternate dates should be set ahead of time.

Overview

The TDI Advanced Wreck Instructor program is comprised of classroom sessions and open water dives. One day should be allotted for the academic session with three full days for the open water dives.

If this program is taught with any of the other allowed instructor programs, two to three full days for the classroom should be scheduled and the appropriate amount of days for the open water dives if two dives per day are scheduled. There may be times when the course can be completed in less time but it is always good to allot an extra day or two for make-up time or weather.

Classroom

You will need various pieces of equipment normally used for advanced wreck diving as well as some research papers on wrecks that you may be diving. You can have the candidates conduct the research on the wrecks and let them bring the information and present it. The instructor must be able to demonstrate to instructor level quality all academic topics in the current TDI Advanced Wreck Diver standards.



Dives

Three days of diving should be scheduled if the program is taught by itself. If it is taught in conjunction with any of the other accepted TDI Instructor programs, additional days will need to be scheduled for the open water dives considering two dives per day will be completed. It is always good practice to build in some extra time for dives so the instructor candidates can clear their schedule.

Knowledge Quest Review Questions if applicable

No instructor level Knowledge Quest is available for this program, although the candidate should complete the diver level Knowledge Quest so they are familiar with the information.

Final Exam

No instructor level final exam is available for this program, although the candidate should complete the diver level final exam so they are familiar with the information.



