

# Underwater

*Dive Center, Inc.*



## Nitrox Diver Course



**(440) 324-3434**

**[www.underwaterdive.com](http://www.underwaterdive.com)**



## **Underwater Dive Center, Inc.**

**42551 North Ridge Road  
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(440) 324-3434  
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udc@underwaterdive.com**

***Northern Ohio's Largest Scuba Diving Center***



**WE INVITE YOU TO COMPARE !**

### **Our Equipment**

*We feature the most complete selection of Top Quality Name-Brand equipment.*

### **Our Instructors**

*Underwater Dive Center's Staff of Certified Scuba Instructors is second to none in experience, thoroughness and flexibility.*

### **Our Service**

*Our Award-Winning service department sets the standard in Ohio for quality.*

### **Our Travel**

*We consistently provide the best value in dive travel for your diving enjoyment.*

## **Directions...**

For directions to Underwater Dive Center, visit [www.underwaterdive.com](http://www.underwaterdive.com).

We are easy to locate - Only 5 minutes from Midway Mall and within 30 minutes of Cleveland. Plenty of free parking available.

# Reduce

## *The effects of Nitrogen Narcosis...*

### **What Is Nitrox?**

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Did you know you have been breathing a form of nitrox all of your life? Simply stated, nitrox is any combination of oxygen and nitrogen. So, since the air we breath is approximately 21% oxygen and 79% nitrogen, it is a nitrox blend. Enriched Air Nitrox (EANx) are mixes that contain higher amounts of oxygen and lower amounts of nitrogen. EANx offers many benefits to divers.



### **Why Use Nitrox?**

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The questions in your mind probably all start with "why?" Why do I want to use nitrox? Why is it different to use than air? Why do I have to take an additional course to use it? Air, the gas that surrounds us, was first used for diving purposes as it is readily available. All certified scuba divers are taught the downfalls of diving with air. Decompression Sickness and Nitrogen Narcosis are two maladies that result from excess nitrogen in a divers body. As you dive, your tissues absorb nitrogen while processing oxygen. As you ascend, the nitrogen stored in the tissues is removed from the body as a part of the normal respiration cycle. By reducing the amount of nitrogen in the breathing mixture, you expose your tissues to less nitrogen. Since the quantity of nitrogen in the cells is reduced, you get less tissue fatigue and increased safety.

# Increase

*Safety margins...*

## How Our Nitrox Courses Work:

Underwater Dive Center is proud to offer the International Association of Nitrox and Technical Divers (IANTD) Nitrox Course. Our course consists of eight hours of lecture and two open water dives. The topics covered include theory, nitrox tables, dive plans, gas analyzing, and equipment requirements. The open water dives introduce the diver to the actual benefits of Nitrox. When you complete this course will receive a Nitrox certification card from IANTD.



## What You Learn:

- The benefits and concerns of Nitrox diving.
- The history of Nitrox.
- How to plan your Nitrox dives, such as, finding the best Nitrox mix, your maximum depth limits, and what your equivalent air depth is.
- Learn to use Nitrox dive tables.
- Operational aspects of Nitrox diving, such as, analyzing Nitrox mixes, logging your mixes, and labeling Nitrox tanks.
- Switching Nitrox mixes in between dives.



# Extend

*Your bottom time...*

## **Nitrox and Your Equipment:**

Your existing equipment, with the exception of your tanks, will work just fine with mixtures up to 40% oxygen. Tanks containing Nitrox need to be cleaned, dedicated, and marked with the mixture they contain. Nitrox tanks and Nitrox mixes will be supplied for this course.



## **What's Included:**

- IANTD Nitrox Diver Student Manual.
- Two Lecture Sessions.
- Two Open Water Dives (1 Day).
- Two rental Nitrox tanks with Nitrox mixes.
- IANTD Certification Card.



## **Prerequisites:**

- Open Water Diver with 20 or more logged dives.
- Be at least 15 years old.

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**PADI**  
**FIVE STAR IDC**  
**DIVE CENTER**