



Enriched Air Nitrox

Course Instructor: Al Schumer, Northwest Diving Institute (www.nwscuba.org)

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Course Type: Enriched Air Nitrox

Course Tuition: \$95.00 **Required Text:** Enriched Air Crew Pack

Session One

Session Type: Classroom **Session Location:** UWS Seattle

Session Date: Friday, October 01, 2010 **Session Time:** 7:00 PM

Specifics: This is an introductory session in which we'll complete the necessary paperwork and go over the plan for the evening. Prior to class, students must read and complete all chapters and knowledge reviews from the enriched air textbook, and also review the video in the crew pack. Please bring your textbooks and enriched air RDPs with you.

If you are taking my companion Advanced Open Water class on the weekend, you'll need to arrive an hour earlier and bring your completed Advanced Open Water knowledge reviews as well.

Session Two

Session Type: Classroom **Session Location:** UWS Seattle

Session Date: Friday, October 01, 2010 **Session Time:** After Interval

Specifics: Knowledge Development One

We will go over this knowledge review covering the following topics:

- Advantages and Disadvantages of Diving with Enriched Air?*
- Equipment for Enriched Air Diving*
- Oxygen Exposure*
- Oxygen Analysis and Obtaining Enriched Air Fills*
- Using Enriched Air Dive Computers*
- Diving Emergencies and Enriched Air*

We'll then take a short break and move on to the Practical Applications.

Session Three

Session Type: Classroom **Session Location:** UWS Seattle

Session Date: Friday, October 01, 2010 **Session Time:** After Interval

Specifics: Practical Applications

We'll grab a couple tanks of nitrox and get some hands-on practice covering the following topics:

- Demonstrate how to use an oxygen analyzer to determine the oxygen content in an enriched air blend.*

Demonstrate how to verify cylinder content data and sign the fill log.

Demonstrate the procedures for obtaining an enriched fill and/or renting an enriched air cylinder from an enriched air fill station.

We'll then take a short break and move on to Knowledge Review Two.

Session Four

Session Type: Classroom **Session Location:** UWS Seattle

Session Date: Friday, October 01, 2010 **Session Time:** After Interval

Knowledge Development Two

Specifics:

We will go over this knowledge review covering the following topics:

Using the RDP with Enriched Air
Using the Enriched Air RDPs
Using Formulas
Using Blends with 40 to 60 Percent Oxygen
About Technical Diving

We'll then take a short break and move on to the final exam.

Session Five

Session Type: Classroom **Session Location:** UWS Seattle

Session Date: Friday, October 01, 2010 **Session Time:** After Interval

Specifics: Final Exam

After a short break, we take and grade the final exam; and complete your certification paperwork. Congratulations, you are now a certified Nitrox Diver!

Equipment Required for this Course: None

Equipment Recommended for this Course

Item 1: Oxygen Analyzer **Item 2:** Calculator

NOTES: I will have several analyzers for students to borrow, but bring your own if you have one. If you are taking my companion Advanced Open Water on the weekend, feel free to bring nitrox on Saturday only - not Sunday (in class and you'll find out why).

