

COURSE OUTLINE

Advance Open Water Dive
Course Title

TH 206
Dept. & Course No.

I. COURSE DESCRIPTION

This course is designed to refine and strengthen developed skills and techniques introduced in the Open Water Course with respect to five (5) different diving situations. The students will learn the theoretical knowledge necessary for each specific type of dive and will achieve mastery of the required skills and techniques for Advance Open Water Dive. Pre: TH 104

II. SEMESTER CREDIT: 1

III. CONTACT HOURS PER WEEK: 0 3 3
(Lecture) (Lab) (Total)

IV. PREREQUISITE: TH 104

V. PERFORMANCE OBJECTIVES:

VI. COURSE CONTENT:

Upon completion of this course, the student will be able, with 100% accuracy, to:

1. Explain and apply deep diving knowledge and skills.

A. Factors in Deep Diving Knowledge:

1. Special equipment considerations
2. Breathing techniques and air supply
3. Safe planning to prevent nitrogen narcosis and decompression sickness.
4. Setting up emergency breathing equipment
5. Checking for narcosis with a timed task on the surface and underwater.
6. Comparison of different depth gauge readings.
7. Safety stop.

2. Explain and practice underwater navigation techniques.

B. Underwater Navigation Techniques:

1. Alternative methods for distance estimation
2. The use of natural navigation.
3. Compass navigation.
4. Estimating distance with a timed and measured swim
5. Navigating a straight line and reciprocal using both natural references and a compass.

3. Explain Drift Diving

Knowledge and practice drift diving techniques relevant to diving conditions in Palau.

4. Discuss Wreck Diving

Knowledge and demonstrate its skills and techniques.

5. Explain Night Diving

Knowledge and practice its skills.

C. Drift Diving Knowledge and Skills:

1. Special equipment requirements.
2. Alternative entry and descent techniques.
3. Ascent and exit techniques.
4. Determining and performing the correct entry technique for the circumstances.
5. Descending as a group.
6. Maintaining control of buoyancy and direction in a current.
7. Safety stop
8. Demonstrating proper exit procedures.

D. Wreck Diving Knowledge and Skills:

1. Legal aspects of wreck diving
2. Potential dangers and hazards involved in wreck diving.
3. Assessing and navigating an underwater wreck.
4. Demonstrate correct buoyancy and finning techniques to avoid silting.
5. Navigating the wreck to return to the ascent point.

E. Night Diving Knowledge, Equipment and Skills:

1. Special equipment requirements.
2. Planning night dives and choosing a suitable site.
3. Potential problems with night diving.
4. Correct techniques for entries and exits at night.
5. Correct techniques for ascents and descents at night.
6. Techniques for communication at nights
7. Navigation at night.
8. Ensuring correct functioning of equipment especially lights.
9. Performing correct entry and descent procedures.
10. Performing a straight line and reciprocal with a compass.
11. Demonstrating proper communication underwater.
12. Performing correct ascent and entry techniques.

VII. MATERIALS AND EQUIPMENT

- A. Routine Classroom materials
- B. Dive Equipment
- C. Boat

VIII. TEXT:

- A. PADI Dive-master Manual, Revisions September 2003, January 2004, January 2005, published by PADI Sanata, Ana, Ca 92705-5605.
- B. RDP Wheel and Table
- C. Knowledge Review Workbook

IX. METHOD OF INSTRUCTION

- A. Lecture
- B. Discussion
- C. Demonstration
- D. Self Study
- E. Knowledge Reviews
- F. Water Skills Demonstrations, Practice and Evaluation

X. METHOD OF EVALUATION

- A. The criteria for evaluation will be based on the performance in the following:

Skills assessment	Pass/Fail
Quizzes	18%
Tests	55%
Dive Log	12%
Participation	15%
Total	100%

- B. Transmutation of percent to letter-grade is as follows:

90-100%	= A
80-89%	= B
70-79%	= C
65-69%	= D
Below 64%	= F

Form NC – 2
TASK LISTING SHEET

TH 206 Advance Open Water Dive Credits: 0 1 48
Course number & title Lec. Lab Total Hours

The task lists in the PADI system are designed to complement academic instruction. They are also designed to teach the necessary skills required to safely dive. They do Not necessarily correspond across the board.

1.	Deep Diving Knowledge and Skills	9
2.	Underwater Navigation Techniques	9
3.	Drift Diving Knowledge and Skills	9
4.	Wreck Diving Knowledge and Skills	9
5.	Night Diving Knowledge, Equipment and Skills	12
Total Hours		48

PALAU COMMUNITY COLLEGE
TH 206 Advance Open Water Dive
Competency Profile Assessment

Student's Name: _____

Semester Year: _____

Instructor's Name (Print) _____

Directions: Evaluate the student using the rate scale of five components (circle one number for each competency) including the degree of competency. The numerical data of 5, 4, 3, 2, and 1 are not intended to represent the traditional school grading of A, B, C, D, and F. Rather, they only indicate the degree of competency for a student that he/she should master from the course.

Rating Scale: 5 = EXCELLENT
 4 = ABOVE AVERAGE
 3 = AVERAGE
 2 = BELOW AVERAGE
 1 = UNACCEPTABLE

Competency #1:

Numerical Value	Explain and practice deep diving knowledge and skills.
5	• Explain and practice all knowledge and skills of deep diving.
4	• Explain and practice most knowledge and skills of deep diving.
3	• Explain and practice some knowledge and skills of deep diving.
2	• Need help to explain and practice knowledge and skills of deep diving.
1	• Unable to explain and practice knowledge and skills of deep diving.

Competency #2:

Numerical Value	Explain and practice underwater navigation techniques.
5	• Explain and practice all underwater navigation techniques.
4	• Explain and practice most underwater navigation techniques.
3	• Explain and practice some underwater navigation techniques.
2	• Need help to explain and practice underwater navigation techniques.
1	• Unable to explain and practice underwater navigation techniques.

Competency #3:

Numerical Value	Explain knowledge and practice techniques of drift diving relevant to diving conditions in Palau.
5	• Explain and practice all the techniques of drift diving relevant to diving conditions in Palau.
4	• Explain and practice most of the techniques of drift diving relevant to diving conditions in Palau.
3	• Explain and practice some of the techniques of drift diving relevant to diving conditions in Palau.
2	• Need help to explain and practice techniques of drift diving relevant to diving conditions in Palau.
1	• Unable to explain or practice techniques of drift diving relevant to diving conditions in Palau.

Competency #4:

Numerical Value	Discuss wreck knowledge and demonstrate techniques and skills.
5	• Discuss wreck knowledge and demonstrate all the techniques and skills.
4	• Discuss wreck knowledge and demonstrate most of the techniques and skills.
3	• Discuss wreck knowledge and demonstrate some of the techniques and skills.
2	• Need help to discuss wreck knowledge and demonstrate its techniques and skills
1	• Unable to discuss or demonstrate wreck knowledge and its techniques and skills.

Competency #5:

Numerical Value	Explain Night Diving Knowledge and Apply Night Diving Skills.
5	• Explain night diving knowledge and apply all the night diving skills.
4	• Explain night diving knowledge and apply most of the night diving skills.
3	• Explain night diving knowledge and apply some of the night diving skills.
2	• Need help to explain knowledge and apply night diving skills.
1	• Unable to explain night diving knowledge and apply night diving skills.

I certify that the student has completed all the competencies in this course and has achieved ratings as shown in each respective competency.

Instructor's signature

Date