



ADVANCED ELECTRONICS – IMO 7.02

This course is designed for Engine Officers, Electricians and other personnel who are required to have a working knowledge of advanced electronics to safely and efficiently support the operation, maintenance and repair of various electrical systems onboard.

COURSE AIMS: This course aims to provide solid understanding of the principles and practical knowledge of marine electronics and applications of microprocessors.

COVERAGE / PROGRAM FOCUS:

- Voltage Multiplier, Voltage Controller
- Current Controller
- Amplifier: Multistage Amplifiers, Darlington Amplifier, Basic Amplifier with FET
- Bistable Trigger Circuit
- Squarewave Generators, Sinewave Generators
- Phase Angle Control with Asymmetrical, Phase Angle without Asymmetrical, Phase Angle Control with Bi-directional TRIACS
- Operation Amplifiers (OP-AMPS), Dynamic Behavior of OP-AMPS
- DC Voltage Converter
- Binary Switching Elements
- AND Element, OR Element, NOT Element, AND Element, and NOR Element

METHOD: Combination of classroom lecture and laboratory work covering the theoretical and practical aspects of circuit application and tasks carried out onboard.

ENTRY REQUIREMENT / TARGET GROUP: Entry to this course is open to all Engine Officers and Electricians. Preferably, those intending to take the course should have attended the course pre-requisite "Introduction to Marine Electrotechnology" or possess good knowledge in basic electronics.

COURSE CERTIFICATE: A Certificate of Completion is given to each participant who satisfactorily fulfills the Course.

DURATION:

1 Week

(5 Days: 0830H – 1600H)

2011 DATES:

1. Jan 24 – 28
2. Apr 11 – 15
3. May 30 – Jun 03
4. Jul 25 – 29
5. Aug 29 – Sept 02
6. Oct 10 – 14
7. Nov 14 – 18

COURSE CONTRIBUTION:

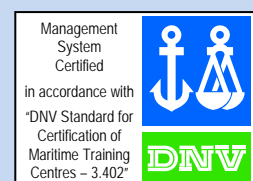
USD 425.00

(NSA Member)

USD 473.00

(Non-NSA Member)

Inclusive of course materials/handout



Register

ADDRESS: Norwegian Training Center-Manila Gate 2 TESDA Complex, East Service Road, Taguig City, Philippines 1634

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