

# Introduction to NDT

Delivery Method: eLearning || Duration: 1,5 hours || Course Fee: 280 €

Category: Material, Welding & NDT

Available languages: English

## Certificate

On completion of the training program, the student will be awarded:

- A Certificate of **Introduction to NDT**, issued by Bureau Veritas Solutions Marine & Offshore.

The Certificate of **Introduction to NDT** is obtained after completion of the course and passing the online test.

## Presentation

This training course provides an overview of the different techniques employed for non-destructive tests (NDT) of materials and welding, their objectives and principles.

## Whom the course is for

The course **Introduction to NDT** is aimed at anyone interested in getting familiar with the different techniques employed for non-destructive tests currently used in marine and offshore industries. This may include Ship Managers, Technical Superintendents, Ship Masters, Officers and Seafarers; Offshore Units Operators and technical staff; Shipyards Technical Staff; Surveyors; P&I and/or Insurance Inspectors; etc.

## Objectives

On completion of the training, students will be able to:

- Know the objectives and principles of the various non-destructive testing methods.
- Differentiate NDT methods regarding application selection and physical principles.
- Understand the evaluation process referred to the testing procedure.
- Be familiar with the reliability of the various NDT methods.

## Program

- Definitions and terminology
- Role of non-destructive testing
- NDT methods
- Systematisation of NDT methods
  - Visual testing
  - Penetrant testing
  - Magnetic particles testing
  - Radiographic testing
  - Ultrasonic testing
- Evaluation of NDT findings
- Indications and flaws
- Acceptance criteria
- Reliability of NDT
- Probability of detection
- NDT operators certification