

NON DESTRUCTIVE TESTS Training Course

TR1658/102/001

APPLICATION FIELD - TARGET GROUP

Introduction and presentation of the NDT: analysis techniques used in science and industry to evaluate the properties of a material, component or system without causing damage. Exercising for examination of various scientific methods and various techniques to be applied, are performed.

This training module is devoted to improve the basic knowledge of field technical persons with refreshing of the know-how and verification of learning results.

TOPICS

General introduction and presentation of the NDT, analysis techniques used in science and industry to evaluate the properties of a material, component or system without causing damage. Survey of the various applications for NDT and detailing on Welding verifications and Structural mechanics. Examination of various methods of nondestructive testing, each based on a particular scientific principle, and subdivided into various techniques. Evaluation the way of choosing the right method and technique in order to obtain the optimum performance of NDT.

SKILLS

Expert in Not Destructive Tests for evaluation of properties of the materials, components or system without causing damage. Basic knowlodge for using the suitable techniques for verification of mechanical structures and welding of parts.

DURATION

48 hours

SESSION OF COURSE

Classroom: 10 session of 4 hours each
Laboratory: 2 session of 4 hours each

ENTRY REQUIREMENTS FOR PARTICIPANTS

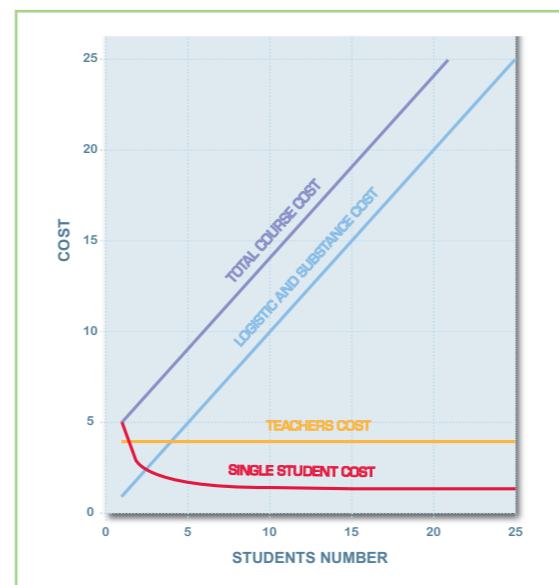
Vocational schools or high schools diploma of mechanical science. At least short employment experience.

MAXIMUM NUMBER OF STUDENTS PARTICIPATION

As you may see from the diagram, the costs of the course have their best efficiency with a number of participants ranging from 10 up to 25 units.

It is consequently suggestible to perform a teaching course with a minimum of 8 students up to a maximum of 25.

The diagram on the side is only indicative



LABORATORIES / TOOLINGS / INDIVIDUAL EQUIPMENTS



Instrumentation:

- > Gauges,
- > Hardness tester,
- > Microscopes,



- > Visual inspection testers,
- > Chemical components,
- > Ultrasonic,
- > Termocameras,



- > Alloy analyzer,
- > Radiographic inspection,



TEACHING & LEARNING MATERIALS / ASSESTMENTS METHODS / CERTIFICATES



- Theory manuals,
- Workbooks,
- Users manuals.
- Schematics presentations and tables.



Evaluation questionnaire at the end of the course



Certificate of attendance at the end of course



RECEPTION PACKAGE

WELCOMING SERVICES FEES:

- Visa issuing, consular expenses for entrance to Italy and residence permit (issued by Ministry of Interior Affairs) for study purposes
- Flight ticket to Italy and return

BOARDING AND ACCOMMODATION SERVICES

- Reception at the organized lodging facilities hotel
- Board including: breakfast, lunch and dinner, drinks included

TRAINING COURSE ANCILLARIES SERVICES:

- Laundry service
- Daytime service of fixed telephone through operator at Prodit premises
- Mobile prepaid telephone service - 50 Euro/month for each student
- Shuttle service from hotel to Prodit Engineering training center and return;
- Service of initial care for illness or injuries, available during the course time;
- Individual ordinary life and accident insurance, and national health service

TRAINING COURSE PACKAGE

DIDACTIC ACTIVITIES for 5 (five) days per week, as follows:

- Theoretical activities performed in classroom
- Practical activities performed in workshops and laboratories, equipped with didactic equipment
- Individual endowment for the student made up of text books, stationery and backpack
- Periodical tests for assessing student's learning
- Final examination
- Attendance Certificate (issued on the basic requirement of a minimum percentage of participation hours, equal to the 95% of the whole duration of the course)



COURSE LOCATION

These courses will be held at PRODIT ENGINEERING training center in Italy.