

NRT 111E

Industrial Radiography Level 1 (Basic Grade)

INTRODUCTION

Industrial radiography is one of the most versatile and effective methods of Non Destructive Testing (NDT) of materials. The radiograph produced using x-ray and gamma ray is viable to determine any changes in thickness, defects (internal and surface) and changes in structure of specimen. This 2 week course is designed based on National Occupational Skills Standard (NOSS) requirements under Department of Skills Development (DSD) and is being recognised by Atomic Energy Licensing Board (AELB) for the high standard in radiation safety aspects.

Participants who have met the requirement are allowed to sit for the Industrial Radiography Level 1 (Basic Grade) Examination, conducted by DSD. Successful candidates will be awarded Industrial Radiography Level 1.

THIS COURSE CAN
BE CONDUCT ONLINE

CLASSROOM COURSE

VENUE :
HGS PAKA
TERENGGANU /
EAST COAST

COURSE OBJECTIVES

- To have adequate knowledge and experience to perform or to supervise NDT inspection.
- To detect crack, surface and near surface in welding.
- To gain reasonable amount of knowledge and experience related to the Radiography Industry of inspection in industrial plants and facilities engineering.
- To have practical experience in inspection using replication methods

CONTENTS

- Introduction to Non-Destructive Testing (NDT)
- Material processes and defects
- Origin and nature of radiation
- Radiography equipment and radiation sources
- The nature and consequence of radiation exposure
- Control of external radiation exposure
- Radiological monitoring equipment and methods
- Safety and emergency procedure for radiographic work
- Introduction to radiographic
- Radiographic image quality
- Radiographic techniques and determination exposure
- Radiographic viewing
- Radiographic film and film processing
- Specification, code and standard for radiographic weld inspection
- Legislative requirements

METHODOLOGY

Lecture, tutorial, practical/demonstration, discussion and case study

MEDIUM OF INSTRUCTION

English and Bahasa Melayu

WHO SHOULD ATTEND

NDT contractor, supplier, NDT practitioner, personnel engaged in oil and gas industry, power plant (construction and maintenance), chemical plant (maintenance), producer of pressure vessel, shipping industry, aviation industry, automotive, lecturer and researcher.

QUALIFICATION FOR EXAMINATION

- 18 years old and above.
- Able to read, write in Bahasa Malaysia and English and has basic mathematical knowledge.
- The candidate shall provide documentary evidence of satisfactory vision in accordance with the following requirements:
 - ◆ Near vision acuity shall permit reading a minimum of Jaeger number 1 or Times Roman N 4.5 or equivalent letters (having a height of 1.6 mm) at not less than 30 cm with one or both eyes, either corrected or uncorrected
 - ◆ Colour vision shall be sufficient that the candidate can distinguish and differentiate contrast between the colours or shades of grey used in the NDT methods concerned, as specify by the employer.

HRDF CLAIMABLE

CEP
(AELB - 15 POINTS)
20CCD SKMI

PAYMENT		FEES AT PENINSULAR MALAYSIA	
CLASSROOM COURSE FEE			
Single Registration per pax		RM 3600.00	
Team Discount per pax		RM 3420.00	
ONLINE COURSE FEE			
Single Registration per pax		TBA	
Team Discount per pax		TBA	

An Associated Programme of



Closing Date:
1 WEEK BEFORE
COURSE DATE



Contact person
 Sofea - 019 698 3217
 Office email :
 info@hgsolution.com.my
 Office phone :
 03-8926 7102 / 7103

Training Coordinator

Ms. Sofea
 +6019 - 698 3217
 training@hgsolution.com.my

Yes! I am interested. Please register me for the NRT 111E programme Year 2022

Classroom course : **7-22 Mac** **29 Aug - 14 Sept** **30 Okt - 14 Nov**

Online course : **TBA**

Payment (please tick) : **SBL-KHAS** **Pay By Company**

CONTACT PERSON

Name	
Company	
Address 1	
Address 2	
Tel	
E-mail Address	

No	Participant Name	I/C No	E-Mail	Contact	Designation
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

PAYMENT		FEES AT PENINSULAR MALAYSIA
CLASSROOM COURSE FEE		
Single Registration per pax		RM 3600.00
Team Discount per pax		RM 3420.00
ONLINE COURSE FEE		
Single Registration per pax		TBA
Team Discount per pax		TBA

"No refund for notice of cancellation received less than 5 days prior to the event date"

Certification will be issued by Malaysian Nuclear Agency