ASME CODES OF CONSTRUCTION AND THE NATIONAL BOARD INSPECTION CODE



COURSE INFORMATION

This ASME Codes of Construction course is ideal for welding inspectors involved in boiler and/or pressure vessel fabrication, repair or modification. The course is mandatory for inspectors aiming for certification as an Inspector of Pressure Equipment (IPE) with the intention of working for an Approved Inspection Authority (AIA).

The syllabus includes requirements for welding, fabrication and inspection: design of vessels and boilers; allowable materials; strength calculations for openings; qualification of welders and welding procedures; inspection and tests; marking and reports; pressure relief devices; duties of inspectors; using the codes and calculations. NBIC is used for post construction activities in the installation, inspection, repair and alteration of pressure retaining equipment.

The course is suitable for project and maintenance engineers and engineering supervisors with responsibility for boilers and pressure vessels and as an introduction to the ASME Code.

Candidates should have a Grade 10 qualification as a minimum. Candidates should preferably have completed the SAIW level 2 welding inspector qualification prior to doing this course, which is a requirement for IPE certification.

ENTRY REQUIREMENTS

- ✓ There are no specific entry requirements for engineering personnel attending the course
- ✓ Welding fabrication inspectors should preferably attain the SAIW Level 2 qualification before attending this course

COURSE OUTLINE

The course content covers:

- ✓ ASME Section I
- ✓ ASME Section VIII Division I
- ✓ ASME Section IX
- ✓ National Board Inspection Code

Please refer to contacts on page 14 | www.saiw.co.za



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The Course Is intended for welding fabrication inspectors, engineers, technologists, technicians and supervisors who wish to improve their knowledge of these codes.

COURSE DURATION
10 days

PRICING (Including VAT)

Corporate Member	**R 30 056**
Non-Corporate Member	**R 32 438**

*Prices subject to change

THE COURSE ADDRESSES THE REQUIREMENTS OF:

ASME Section 1
Rules of Construction for Power Boilers.

ASME Section VIII Division 1 –
Rules of Construction for Pressure Vessels.

ASME Section IX –
welding and brazing qualifications and NBIC – National Board Inspection Code.

Successful graduates will have an appreciation for the code requirements and be able to use the codes and interpret and apply the fabrication and inspection requirements in their daily work activities. The course is specifically designed to introduce students on the use of relevant code sections in a logical and methodical manner.

Course Schedule | ASME Codes of Construction

JOHANNESBURG, DURBAN, CAPE TOWN					
WEEK	**COURSE INFORMATION**	**HRS**	**JHB 01**	**DBN 01**	**CPT 01**
1	ASME Section VIII and NBIC	32	12-15 Apr	04 -07 Oct	Upon request
	Exam		**16 Apr**	**08 Oct**	**Upon request**
2	ASME Section I and Section IX	32	19-22 Apr	11-14 Oct	Upon request
	Exam		**23 Apr**	**15 Oct**	**Upon request**

Scan to download the SAIW Course Prospectus App.

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