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# API 570 PIPING INSPECTOR

FUNDAMENTAL PIPING DESIGN THAT EMPHASIZES THE API SYLLABUS & RELEVANT EXAMINABLE CODE SECTIONS.

CLARIFY BASIC INTENTIONS OF ALL CODE SECTIONS, INTERPRET CODE RULINGS & MAKE COST EFFECTIVE 3R DECISIONS.

FOR ALL INSPECTORS, QA/QC ENGINEERS & PLANT MAINTENANCE PERSONNEL CONCERNED WITH PLANT INTEGRITY, ENGINEERING CONSULTANTS & CONTRACTORS SUPPORTING REFINERIES' SHUT-DOWN INSPECTION, MAINTENANCE, REPAIRS & UPGRADES WILL ALSO BENEFIT FROM THE API 570.

**PART TIME & FULL TIME AVAILABLE**

Course	Seminar Fee
API 570	2000 SGD + 7% GST (Course Materials & Standard Codes)

\* TOP UP REQUIRED FOR API EXAMINATION

Singaporeans & SPRs enjoy **IMMEDIATE \$900 FUNDING SUPPORT**



**NTUC members enjoy 50% unfunded course fee support\***  
\*capped at \$250



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**Training Duration: 60 hours**

**Examination: 7 hours**

Open Book 4 hours

Closed Book 3 hours

### **Fee Details:**

Seminar & Exam Fee	
Foreigner	Locals (Post-Funding)
SGD 2850+ GST	SGD 2100 + GST

All NTUC members can use UTAP to claim \$250

### **Brief:**

Expect to learn about MAWP, Flange ratings, Retirement thickness for pipes, fittings and valves & choosing appropriate inspection tools & intervals.

Introduction to different ways of evaluations and decision making & familiarization of degradation mechanisms.  
'Know-how's on repairs, alterations and rerating of piping systems & assessment of future remaining life, life extension methods for piping systems.

### **Modules:**

1	Scope, definitions and organization of API 570	11	Inspection and testing practices of API 570
2	Repairs, alterations & re-rating of piping system	12	Inspection of buried piping
3	Frequency and extent of inspection, data evaluation	13	Detail discussions on material corrosion and degradation (API 571)
4	Various preventive actions against degradation	14	Piping component design, allowable stress values, of ASME B31.3
5	Case studies of wall thickness calculations, blank thickness calculations, test pressure, expansion margins	15	Material selection, impact test requirement and PWHT requirement of ASME B 31.3
6	Understanding and rating calculations of ASME B16.5	16	Case studies of Impact testing results, requirement of pre-heating and PWHT
7	Introduction to ASME Sec IX and its various provisions	17	Welding procedure qualification & welder qualification, Case studies of checking of PQR, WPS
8	Discussions on API RP 577, welding inspection	18	Understanding the difference between Inspection and Examination
9	Various NDE proposed to detect flaws in metals	19	Understanding rules imposed by ASME Sec V for various NDE techniques
10	Discussions on PMI (API RP 578) & API RP 574		

## **LOCATION**

PIONEER JUNCTION #03-19  
3 SOON LEE STREET  
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