

Nutshell Learning

Logistics Pty Ltd
(A.B.N. 67 006 734 827)
POB 300
BOONAH QLD 4310
AUSTRALIA
Ph: +61 7 5463 2744
Fx: +61 7 5463 2755
www.logistics.com.au

Course Title: Durability

Duration: 2 Days

Course Summary:

There is a maze of asset, facility, equipment, infrastructure, and other maintenance management programs and approaches. The problem is to find a common-path method to navigate the maze. Durability is the common-path method through this maze? It is also the key underpinning path to identifying and addressing sustainability objectives.

This durability course has been designed for the leaders and practitioners of all disciplines who need to navigate the maze and therefore improve the "bottom line" of their maintenance programs. But, the identification of the bottom line is a complex combination of technical, economic and accounting issues.

Basically, if you want to improve your bottom line you have to understand it, and this course aims to do that. Durability is the bottom line measure of performance; and in particular the assessment and management of plant remaining useful life.

Even though many of the topics in this course may seem familiar to other similar courses; it is the focus on continuous improvement through durability that makes them different in this course.

This course will help you to:

- **Focus on durability as the measure of performance that counts**
- Assess and manage plant remaining useful life
- See how maintenance relevant economic, accounting and technical processes and practices are integrated
- Continuously improve economic, technical & sustainability performance
- Focus on the identification and analysis of downtime and thus losses
- Evaluate total plant performance

Please bring a scientific calculator (e.g. Casio fx82) to the course, and know how to use its exponential and statistical features.

Course Content:

- ❖ **Durability significance, scope and context**
- ❖ **Standards, specifications and codes of practice utilization**
- ❖ **Continuous improvement methods and practices**
- ❖ **Whole of Life Cost: Acquisition, Sustainment & Sustainability**
- ❖ **Downtime and loss assessment**
- ❖ **Economic considerations**
- ❖ **Accounting considerations**
- ❖ **Technical considerations**
- ❖ **Resilience engineering**
- ❖ **Maintenance task generation**
- ❖ **Applied maintenance philosophies**
- ❖ **Repair economics and accounting**
- ❖ **Maintenance and support practices**
- ❖ **Spares & parts inventory management**
- ❖ **Maintenance, repair, overhaul, and operations (MROO)**
- ❖ **Future strategies and technologies for durability & sustainability**