

MECHANICAL COURSES

LATHE PROCEDURE (M15B)

OBJECTIVE:

This course provides the trainee with practical hands-on experience in the use of the center lathe.

WHO SHOULD ATTEND?

This course is suggested for technicians involved in workshop processes.

COURSE CONTENT:

- Lathe Principles
- Cutting Tool Surfaces
- Holding Work in Lathes, Chucks, Between Centers and in Faceplates
- Lathe Set-Up and Preparation
- Rough and Finish Turning
- Shouldering, Knurling and Notching
- Cutting External Threads
- Boring and Counter boring
- Cutting Internal Threads
- Turning Tapers Between Centers

PRACTICAL TASKS:

- Identifying types of lathe cutting tools
- Practical tasks to calculate spindle revolutions and table feedrate
- Turning procedures
- Facing procedures
- Shouldering and knurling

Duration: 10 Days

Date:	Venue:	Cost:
Apr 12-23	Dammam	SR10,000
Oct 18-29	Dammam	SR10,000

LUBRICATION ANALYSIS (M46A)

OBJECTIVE:

This course provides information on the fundamentals of lubrication and types of lubricants and lubrication selection as well as different methods of lubrication.

WHO SHOULD ATTEND?

This course is recommended for maintenance technicians, supervisors, and those who are involved with the maintenance of mechanical, electrical and rotating equipment.

COURSE CONTENT:

- Practical Aspect of Lubricants and Lubrication
- Lubrication and additives and standard application
- Lubrication Types
- General Purpose Greases
- Special Purpose Greases
- Lubrication Frequency (Limits & criteria)
- Lubrication selecting, contaminating and filtering
- Lubrication Systems and Methods
- Automatic Lubrication System Methods

Duration: 5 Days

Date:	Venue:	Cost:
May 24 – 28	Dammam	SR6,000
Dec 20 – 24	Dammam	SR6,000