

Waste Water Treatment and Re-Use

Z MEC-25

Duration

Three days 18 Hours

Who should attend?

This subject will be very useful for all persons who deal with the waste water specially industrial and sewage treatment units or need to know about it, it is mainly general for all related industrial members & technology



Language

Arabic , English

Overview

Environmental science is recently science occurrence Water treatment is a branch of environmental science the importance of water treatment increased due to the exhausted human activities and technology and the deficient in natural water resources and demand expensive increased United Nations start looking after environment specially water treatment create the regulation rules and laws and organize annually conference The target of this course to introduce an overview of basic principles of water treatment science and impacts some pollution problems and how to reduce these or overcome them

Topics

- The nature of water
 - Water resources and uses
 - Water chemistry and interpretation of water analysis
 - Water contaminants : occurrence and treatment
- Water pollution
 - Water pollution and classification of water pollutants
 - Water quality
- Introduction to process analysis and selection
 - Physical unit operation
 - Coagulation and mixing
 - Gravity separation/sedimentation
 - Filtration system
 - Membrane filtration
 - Chemical unit operation
 - Fundamental of biological treatment system

- Heavy metals and cyanide treatment
- Water Treatment and Re-uses
- Environment law 4/94 and its recommendations
- Case study