

PRACTICAL COURSES

ESP456 WATER AND WASTEWATER MANAGEMENT LAB.

Course Outcomes:

CO1 Learn the methodology of determination of physico-chemical parameters of water.

CO2 Learn different methods to assess soil quality.

CO3 Visit to water purification and wastewater treatment plants

CO4 Enhance their knowledge about water and wastewater management.

CO4 Describe infiltration and runoff characteristics of water.

1. Determination of DO in water and wastewater.
2. Determination of BOD in water and wastewater.
3. Determination of COD in water and wastewater.
4. Determination of porosity and permeability of different soils.
5. Determination of infiltration and runoff characteristics.
6. Determination of nitrite content in water.
7. Determination of phosphate content in water.
8. Visit to water & wastewater treatment plants.

ESP457 OCCUPATIONAL HEALTH HAZARDS LAB.

Course Outcomes:

CO1 Document various occupational diseases and causes.

CO2 Describe about safety devices in industries.

CO3 Learn the type of health hazards faced by the workers in industries.

CO4 Understand occupational health hazards in agricultural workers.

CO5 Know the personal protective equipment used in the industries.

1. Study of byssinosis.
2. Study of bagassosis.
3. Study of pneumoconiosis.
4. Documentation of allergic diseases and causes.
5. Safety devices in industries, including personal protective equipment.
6. Survey and documentation of occupational diseases and causes in given areas.
7. Respiration disorder in industrial workers.
8. Occupational health hazards in agricultural workers.
9. Industrial visit.