

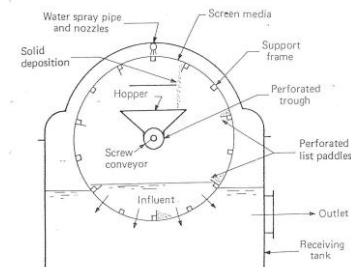
## COURSE DESCRIPTION

This course is designed to provide an understanding on the hydraulics of unit processes. Topics include diurnal flow variation, high and low flow; flow velocity; hydraulic retention time; hydraulic losses; principle of settlement.

## COURSE OBJECTIVES

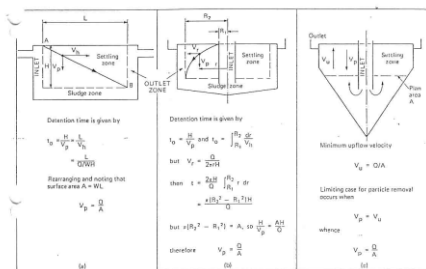
At the end of the course, participants will understand and be familiar with:

- Simple concept of pipe, open channel and minor losses
- Sedimentation, clarification and thickening
- Primary and secondary sludge
- Screen hydraulic and gridlines
- Grit chamber hydraulic and Gridlines
- Hopper clarifier tank and Guidelines
- Circular clarifier and Guidelines
- STP hydraulics



## COURSE CONTENT

- Diurnal flow variation, high and low flow
- Flow velocity, surface loading, hydraulic retention time
- Hydraulic losses
- Principle of settlement
- Screen
- Grit chamber
- Hopper clarifier
- Circular clarifier



## DURATION

1 Day

## WHO SHOULD ATTEND

Engineer and Technical personnel involved in STP design and plant certification

## COURSE FEE

RM550 .00 per person

## COURSE SCHEDULE

9.00 am – 10.30am	<input type="checkbox"/> Diurnal flow variation, high and low flow <input type="checkbox"/> Flow velocity, surface loading, hydraulic retention time
10.30am – 10.45am	Coffee/Tea Break
10.45am – 12.45pm	<input type="checkbox"/> Hydraulic losses <input type="checkbox"/> Principle of settlement <input type="checkbox"/> Screen
12.45pm – 2.00pm	Lunch Break
2.00pm – 3.30pm	<input type="checkbox"/> Grit chamber <input type="checkbox"/> Hopper clarifier
3.30pm - 3.45pm	Coffee/Tea Break
3.45pm – 4.45 pm	<input type="checkbox"/> Circular clarifier
4.45pm – 5.30pm	<input type="checkbox"/> Group Discussion