

FCE 482 - Public Health Engineering IB (45 hrs)

Estimation of Yield, surface and underground water sources. Design of work to procure water, dams, river intake works, wells and boreholes, screening. Purpose, theory and design of aeration units. Coagulation/flocculation theory and practice. Design and operation of sedimentation tanks for water treatment. Hydraulics of filtration. Design and operation of filter units. Disinfection methods. water softening. Manganese and iron removal. Water distribution; pipelines and valves; pumping; Plant, service reservoir. Low water supplies and treatment.