Introduction to Treatment of Tannery Effluents

Module 1 Load, norms, in-house treatment
The aim of effluent treatment; pollution load and the main waste water quality parameters; typical discharge norms; general overview of the treatment of tannery effluents, segregation of streams, treatment of spent liming floats and treatment of chrome-bearing floats

Module 2 Treatment within tannery compound
Pre-treatment for discharge into CETP collection network, physical-mechanical (primary) treatment for discharge into municipal sewage.

Module 3 Sludge dewatering
Sludge thickeners, sludge pumps, filter press, centrifuge, belt filter press, flow-chart of physical-chemical treatment, sludge drying beds.

Module 4 Biological (secondary) treatment
Activated sludge, aeration devices, oxidation ditch, flow-chart of the biological treatment

Module 5 Occupational safety and health (OSH) common effluent treatment plant (CETP) costing and management