

## **CE441b: Construction Management**

**3-0-0-0 [5], Modular**

### **Course Contents:**

Stakeholders in construction projects – client, consultant, contractor, financial institutions, regulators, Private Public Partnership, Environmental Impact Assessment; Planning and scheduling (PERT), resource levelling, crashing; Construction process and life cycle of a project – concept, technical feasibility, planning, qualification of bidders, award of contract, procurement (of equipment, etc.), execution, maintenance, monitoring of progress; Contract management – types of contracts, contract process, dispute management and arbitration, labour laws, Federation Internationale des Ingenieurs Conseils (International Federation of Consulting Engineers, FIDIC); provisions for safety and quality in contracts; Construction economics and finance, cost estimation (clients and contractor versions), depreciation