CENG-6658-Urban Drainage

The course is designed to enable participants plan, design and manage sustainable sewage and storm water management systems in urban areas or sustainable urban drainage system (SUDS). Topics include– type of sewage disposal system, estimation and design of sewage collection and disposal systems, modeling of sewage disposal system, ; and urban hydrology; options for urban drainage- conventional systems, best management practices; design of storm water management systems; urban runoff quality; urban runoff modeling

Core Course Outline

Chapter 1 Type of Urban Drainage

Chapter 2 Sanitary Appurtenances

Chapter 3 Quantity of Flow

Chapter 4 Design of Urban Drainage Collection System

Chapter 5 Best Management System (Sustainable Urban Drainage System

Chapter 6 Stormwater Quality

Chapter 7 Modeling of Urban Drainage System (as a project)

Evaluation

40 – 50 % Projects or assignments

50 – 60 % Exam/s