CIV4202 Water Resources Engineering II

Hours per Semester				Weighted Total Mark	Weighted Exam Mark	Weighted Continuous Assessment Mark	Credit units
LH	PH	TH	CH	WTM	WEM	WCM	CU
45	0	0	45	100	60	40	3

Course Description

This course is intended to build on the earlier courses of hydrology and water resources engineering by discussing more of the recent applications in water resources management. These include advanced techniques for groundwater assessment, integrated water resource management, remote sensing techniques and global information systems, hydropower engineering, river engineering and rainwater harvesting.

Objectives

- To learn about advanced techniques for assessing groundwater availability
- To learn about the principles of integrated water resource management
- To learn about remote sensing and GIS concepts
- To learn about hydropower and river engineering
- To learn about irrigation and drainage management
- To learn about rainwater harvesting