

	Civil Engg Department		
	Sem -IV Lesson Plan		
	Subject: Irrigation Engineering		
** Work Load (Lecture/Practical) per week (in hours): Lectures-03			
Month	Week	Lectures	Topic
MARCH	Week 1	1	Unit-1 Introduction(Definition,necessity)
		2	History of development of irrigation in India
		3	Major,medium and minor irrigation projects
	Week 2	1	Unit-2 water requirements of crops principal crops in India
		2	crop season,soil water, soil crop and crop water relationship and Gross commanded area
		3	Unit-3 Rainfall, definition rain gauges
	Week 3	1	methods and catchment are runoff
		2	factors affecting runoff,hydrograph
		3	Unit-4 flow irrigation
	Week 4	1	lift irrigation
		2	sprinkler irrigation
		3	drip irrigation
APRIL	Week 1	1	Revision
		2	Sessional-1
		3	Sessional-1
		4	Sessional-1
	Week 2	1	Unit-5 classification
		2	various types of canal lining,breaches
		3	Maintenance of lined and unlined canals
	Week 3	1	Unit-6 Introduction, types of tube wells
		2	method of boring and water harvesting techniques
		3	Unit-7 Classification of Dams, concept of small and micro dams
	Week 4	1	concept of spillways and energy dissipators
		2	Unit-8 Canal Head works(Definition,object, general layout anf functions)
		3	Difference
	MAY	Week 1	1
		2	Sketches of the above cross drainage works
		3	Revision
Week 2		1	Sessional-2
		2	Sessional-2
		3	Sessional-2
		4	Sessional-2
		5	Sessional-2
Week 3		1	Unit-10 Falls, cross and head regulators
		2	Outlets
		3	Canal Escapes
Week 4		1	Unit-11 River Training works(Methods and retired)
		2	Guide banks,Pitched Island and cut-off
		3	Unit-12 Definition of water logging
Week 5		1	Surface and sub surface drains and their layout
		2	concept of ground water recharge
		3	Techniques

JUNE	Week 1	1	Techniques
		2	Revision
	Week 2	1	Sessional-3
		2	Sessional-3
		3	Sessional-3
		4	Sessional-3
		5	Sessional-3
	Week 3	1	Revision
		2	Revision
		3	Revision
	Week 4	1	Revision
		2	Revision
		3	Revision