

## Certificate Course

(e-learning mode)

December 2012 – May 2013

# Water Resources Planning and Management



## Centre for Continuing Education CEPT UNIVERSITY

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## COURSE OBJECTIVES

Though the overall fresh water availability at the macro level has remained the same, many regions, particularly in the developing world, today experience large imbalances between the demand and supply of water supply. The growing population, the preference for water intensive agriculture and rapid urbanization & industrialization are putting enormous pressure on the freshwater resources, resulting into serious threat to ecosystem management, social sustainability and economic growth.

The emerging need for efficient water resources planning and management, has been expressed in several world fora in recent times. This course has been therefore designed to cover the methods, theories, and applications to current administrative, economic, engineering, planning, and social issues as they apply to water resources planning and management.

## WHO MAY BENEFIT

The course will be helpful to professionals working in public or private sector, environmental and water resources consultants, Self employed practitioners, NGO workers involved in water and environment sector, Government Employees, Academicians, Journalists, Lawyer, and Social Scientists.

## ELIGIBILITY

- Graduation / Diploma in any discipline with minimum 50% marks
- BE / B.Tech / B.Arch / LLB / MBA students appearing for final year exam

## COURSE FEE

- For Professionals Rs. 17,500/-
- For Students Rs. 12,500/-

## ADMISSION

This e-course is offered twice every year (April & November). For details contact course director. Details of admission and application form can be downloaded from the website [www.cept.ac.in](http://www.cept.ac.in)

## COURSE DURATION & DELIVERY

This course is delivered based on concept of “any time any where”, through the web based e-learning portal. The course consists of self-paced modules, readings, case studies, and assignments. The registered students have the freedom of studying at their convenient time with the free access to E-learning portal of the University. **Total duration of the course is 6 months.**

## CONTACT DETAILS

**COURSE DIRECTOR:** PROF. SUBHRANGSU GOSWAMI  
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CEPT UNIVERSITY  
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## COURSE STRUCTURE

Module 1	Challenges & Opportunities in Water Sector
Module 2	Water & Environment : Legal & Institutional Aspects
Module 3	Introduction to Water Resources Systems
	Assignment-I
Module 4	Water Resources Planning & Decision Making
Module 5	Watershed Management and Public Participation
Module 6	Water Harvesting: Theory and Practice
	Assignment-II
Module 7	Ground Water Management & Artificial Recharge
Module 8	Water Treatment Technologies & Distribution Systems
Module 9	Waste Water Treatment, Recycle and Reuse
	Assignment-III
Module 10	Urban Flood Management
Module 11	Environmental and Social Impact Assessment of water resources projects
Module 12	Sources of Funding and Project Proposal Writing
	Individual Final Assignment