

Course title	<b>Water, Sanitation and Hygiene</b>									Course No	<b>OE5340</b>			
Department	Ocean Engineering	New Credits	L	T	E	P	O	C	TH	Old	L	T	P	C
			3				6	9		Credits	3			3
Offered for	Ph.D.; M.S.; M. Tech.									Status	Modified			
Faculty	<b>BS Murty</b>									Type	Theory			
Pre-requisite	None									To take effect from	01-08-2024			

**Objectives:**

To give students firm knowledge of ocean policies and laws and CZM techniques to ensure the protection, maintenance, and restoration of the health of the ocean and coasts.

**Course Contents:**

Drinking water and public health: - Water quality - Nexus between hygiene, sanitation and water quality - Water related diseases – Classification - Methods for water quality parameter determination - Standards for water quality in different countries

Environmental Sanitation: -Sanitation systems (centralized and decentralized) - On-site sanitation systems and its design - Nature based treatment systems - Management of grey water; septic tank effluent; septage

Sustainable Water Supply: - Surface and sub-surface water source quality - Source protection - Source augmentation - Direct and indirect portable reuse - Low-cost and traditional water treatment technologies

Water sanitation and Hygiene (WASH): -WASH Management - WASH response to water borne diseases - Hygiene promotion and social mobilization - WASH monitoring