

GUJARAT TECHNOLOGICAL UNIVERSITY
B.E. SEMESTER : VII
ENVIRONMENTAL SCIENCE & TECHNOLOGY

Subject Name: Safety & Hygiene in Chemical Industries

Subject Code: 173503

Teaching Scheme				Evaluation Scheme			
Theory	Tutorial	Practical	Total	University Exam(E)	University Exam(P)	Mid Sem Exam(Theory) (M)	Practical (Internal)
4	0	3	7	70	30	30	20

Sr No	Course Contents
1	Environmental norms and legislation: Global and Indian scenario. Various agencies connected with pollution control. Techno economic evaluation of pollution control practices
2	Environmental, Energy , and Water audit and EMS
3	Planning of environmental prospects at the project inception, Socio economic aspects of environmental processes
4	ISO, REACH and similar procedures adapted to standardize and protect the environment connected with foreign trade
5	Environmental impact assessment (EIA), Life cycle analysis of a product

Reference Books:

1. Handbook of Environmental Laws, Guidelines, Compliance & Standards,
2. Vol 1 & 2, Environ-Media, Karad, India
3. Environmental audits: evaluating and responding to environmental concerns, L Leo Motiuk Practising Law Institute, 1991
4. A Complete Guide to Environmental Audits, Elizabeth Glass Geltman, Section of Natural Resources, Energy, and Environmental Law, American Bar Association, 1997
5. Environmental Auditing, A K Shrivastava, APH Publishing, 2003
6. Environmental Management, Agarwal, APH Publishing, 2005
7. Environmental Impact : Assessment Methodologies, Anjaneyulu, B S Publication, 2nd Ed., 2011
8. Complete Guide To ISO 14000 by Richard B. Clement, Simon & Schuster, 1st Ed., 1996