

GUJARAT TECHNOLOGICAL UNIVERSITY
Syllabus for B. Arch
SEMESTER - IX

SUBJECT NAME – ENVIRONMENT AND ECOLOGY

SUBJECT CODE – 1095012

FOCUS:

The aim of this course is to make the students understand the various environmental management systems. To make the students understand the importance of land planning for sustainability, resource planning and allocation and protection of natural resources and their use for sustainability

CONTENT:

I Environmental management

Environmental resource management

Development of environmental management systems with focus on ISO14000

Implementation of environmental management systems

Energy management

II Ecological Land Planning

Preservation and protection of important sensitive areas

Rehabilitation of degraded sites

Development of sites/ land in accordance to their environmental properties.

Plant Material and its importance in Eco System preservation

SUGGESTED BOOKS

Cerver Francisco a: world of landscape architects: world of environmental design. Ganduxer,

Cerver Francisco Asensio: Environmental restoration landscape.

Cever Francisco a: Elements of landscape world of environment.

Mukherjee Pippa: Nature Guides Common Trees Of India. Worldwide Fund For Nature

Papanek Victor: Green Imperative Ecology

Ethics in Design. Thames and Hudson,

Randhawa M S: Flowering Trees. India

Environmental analysis for land use and site planning. By Marsh Williams M. (MC Grew hill (1978)

Climate Change and Biodiversity-Edited by Thomas Lovejoy and Lee Hannah-TERI publication

Landscape Planning and Environmental Applications-By M.W.Marsh

River Ecology-by Prakash Gole