

**DEPARTMENT OF ARCHITECTURE**  
**NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI**

COURSE PLAN – PART I			
Name of the programme and specialization	B.Arch., Architecture		
Course Title	Environmental Science		
Course Code	AR101	No. of Credits	3 (1 theory, 4 practical)
Course Code of Pre-requisite subject(s)	- Nil -		
Session	July 2018	Section (if, applicable)	- Nil -
Name of Faculty	S.Rajendra Babu	Department	Architecture
Email	rajbabu@nitt.edu	Telephone No.	0431-2503556
Name of Course Coordinator(s) (if, applicable)	- Nil -		
E-mail	- Nil -	Telephone No.	- Nil -
Course Type	<input checked="" type="checkbox"/> Core course <input type="checkbox"/> Elective course		

**Syllabus (approved in BoS)**

Multidisciplinary nature of EVS / Natural resources – Renewable & Nonrenewable / Role of individual in conservation, Equitable use of resources / Ecosystems – Concept, structure, components, energy flow, succession, food chain / Biodiversity & conservation – biogeographic regions, values, threats / Environ. pollution – causes, effects & control measures, solid waste management, role of individuals / Social issues – sustainable development, urban problems, water conservation / Env. ethics, climate change, consumerism, laws, awareness / Population growth, health, human rights / Value education, women & child welfare, role of IT in environment & health

**COURSE OBJECTIVES**

This course is aimed to provide exposure to the various concepts related to understanding the different aspects of the environment. Also to provide valuable methods of relating environmental issues to what is happening in our daily lives.

**COURSE OUTCOMES (CO)**

Course Outcomes	Aligned Programme Outcomes (PO)
1. Understand the various aspects of the environmental issues like what causes environmental degradation and what the likely solutions are.	To become sensitive to environmental issues.
2. Understand the different alternative solutions to improve env. quality.	Learning to choose from different options.
3. Learn how as groups or individuals we can contribute to improving env.	Develop a sense of pride & ownership



## COURSE PLAN – PART II

### COURSE OVERVIEW

This course deals with various aspects of the environment around us. The following topics will be covered – The multidisciplinary nature of environmental studies, Natural resources, Ecosystems, Biodiversity, Pollution, Social issues, Human population issues. Field visits & environmental improvement activity sessions will also be arranged.

### COURSE TEACHING AND LEARNING ACTIVITIES

S.No	Week	Topic	Mode of Delivery
1	1	Multidisciplinary nature of EVS – Scope, Importance	Flipped class + Quiz
2	2	Multidisciplinary nature of EVS – Public awareness	Flipped class + Quiz
3	3	Natural resources – Renewable, Non renewable	Flipped class + Quiz
4	4	Role of individual in conservation, Equitable use of resources	Flipped class + Quiz
5	5	Ecosystems – Concept, structure, components	Flipped class + Quiz
6	6	Ecosystems – Energy flow, Succession, Food chain	Flipped class + Quiz
7	7	Biodiversity & conser. – Biogeographic regions, Values Threats	Flipped class + Quiz
8	8	Environ. pollution – Causes, Effects & Control measures	Flipped class + Quiz
9	9	Environ. pollution – Solid waste management, Role of individuals	Flipped class + Quiz
10	10	Social issues – Sus. development, Urban problems, Water conser.	Flipped class + Quiz
11	11	Env. ethics, Climate change, Consumerism, Laws, Awareness	Flipped class + Quiz
12	12	Population growth, Health, Human rights	Flipped class + Quiz
13	13	Value education, Women & child welfare.	Flipped class + Quiz
14	14	Role of IT in Environment & health	Flipped class + Quiz

### COURSE ASSESSMENT METHODS

S.No	Mode of Assessment	Week/Date	Duration	% Weightage
1	Cycle test // Retest (compensation assessment available)	3 <sup>rd</sup> Week, Jan 22	30 minutes	10
2	Environ Related News Reading)	During class	-	20
3	Env. Improve Activities – 10 sessions (compensation assessment made available)	2-4 sessions per month	During weekends, 2 hr. each	40
4	Final Assessment (no compensation as per Institute Guidelines).	End of sem. Exam	2 hrs.	30

**ESSENTIAL READINGS :** Textbook, reference books, articles from the internet, newspapers, etc

#### Text Books & Reference Books::

1. Erach Bharucha, Textbook for Environmental Studies. UGC 2004

#### **COURSE EXIT SURVEY**

**Feedback from the students during mid & end semester thro online:** on knowledge gained, activities relevant to the course, methodology adopted, aspects of improvement, whether the topics fulfil the course outcome & program outcome.

#### **COURSE POLICY (including plagiarism, academic honesty, attendance, compensation assessments etc.)**

1. Students to have a **min. of 75% attendance** to appear in final examination. **Relaxation** of 10% shall be allowed under On Duty (OD) category.



As per B. Arch Regulations 2016, Sec.B.8 Attendance, "Students who have not satisfied the attendance eligibility requirements shall be awarded a 'V' grade for the course" & as per Sec.B.11.1, ii, C, "V" indicates lack of required attendance. Students awarded 'V' grade shall compulsorily REDO the course.

2. Any malpractice in academic work will get 0 marks for first time & negative marks thereafter.
3. If a student misses any cycle test(s), one retest will be conducted soon after the last cycle test, only for valid, genuine reasons of absence & supported by evidence. Prior permission to skip a test shall be taken to avoid any confusion later. If not, within 2 weeks after the test, documents shall be produced to find if eligible for retest.

**ADDITIONAL COURSE INFORMATION**

Students can consult the faculty at his room with prior appointment, between 2.20 to 3.10 pm on Tuesdays.

**FOR APPROVAL**



Course Faculty



CC-Chairperson



HOD