

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
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	Quiz – 2 nos. (flexible timings, so compensation not needed)	1 quiz before each cycle test	During class hrs	(2*2) 4
2	Cycle tests 2 // Retest 1 (compensation assessment available)	sep.25 / nov.06 // Nov.13	30 minutes	(7.5*2) 15
3	Study visits & reports (compensation assessment available)	One day visits	During weekends	10
4	News & Response - 8+2 (flexible timings, so compensation not needed)	4 news + 1 response before each test	During class hrs.	(10*1) 10
5	Env. Improve Activities – 10 sessions (compensation assessment made available)	2-4 sessions per month	2 hr. each	(10*3) 30
6	Final Assessment (no compensation as per Institute Guidelines)	End of sem. Exam	1 1/2 hrs.	31

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 quiz / assignments / reports / activities / test / exam will get 0 marks for that assessment.
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.
4. Students are expected to come to exam hall 10 minutes before exam time & get prepared to **remain in exam hall** for the entire **duration of writing the test / exam**. They can leave the exam hall any time (test) or after first 30 minutes (exam), after handing over the answer book. Students shall **not have mobile / any reference materials** anywhere near them during test / exam. Students shall maintain **silence** in the exam hall during exam hours. As per NITT guidelines, mobile phones possessed by students inside exam hall will be **confiscated & shall not be returned**.
5. **Submission & activity** dates are normally decided in consultation with students & announced in advance. So late submissions, unless for valid, genuine reasons & supported by evidence, will get **reduced marks**. Late submissions will be accepted only till the next submission.
6. **Marks & attendance** will be notified periodically. Request for any **correction** shall be within 2 weeks of notification.
7. If **medical certificates** are submitted as health reasons for missing classes / activities / tests / submissions / visits etc., students are expected to get them **from NIT-T hospital or endorsed by Chief Med. Officer, NIT-T hospital**.
8. **Preventing other students** from pursuing their academic activities will be considered as academic offence & such issues will be taken to disciplinary committee & decisions made will be implemented.
9. Any behavior by a student **hindering the academic activities of the faculty** will be considered as academic misconduct & will be referred to disciplinary committee & decisions made will be implemented.
10. **Study visits** will be arranged only when all the students help, cooperate with the process, follow **safety instructions** during the visits & willing to meet, manage the expenses. If not, visits will be cancelled & alternative assignments will be introduced. Those not following safety instructions or not cooperating with the process, will be **excluded from all future visits**. For each visit **2 hr. attendance & for being on time & for reports marks** will be given.

If a student **could not join a visit** due to valid, genuine reason (supported by evidence & taking prior permission is preferable), or due to exclusion from visits, **it is student's responsibility** to make a suitable alternative educational visit on one's own effort (faculty can help find one) within 1 month & submit pre & post visit reports within 1 week.
11. **News Assignments** presentation will be **random order**. To avoid accumulation of work towards the end of the semester, 2 news & 0-1 responses shall be **completed before each cycle test**. Students who could not follow this guideline due to valid, genuine reasons & supported by evidence, will be allowed to present the missed portions before the next cycle test in addition to meeting that segment's requirements.
12. **Env. Improve Activities** will be based on the interests of the students. 12 sessions will be organized & students are expected to join 10 sessions. For each of the attended sessions **2 hr. attendance & max. 3 marks**, will be given.
13. As per B. Arch Regulations 2016, Sec.B.6.b, "For a student to secure a minimum of E grade, he/ she has to secure a **minimum of 40% in the cumulative assessment** in theory courses" & as per sec.B.11.1.ii.b, " Students awarded F grade **may REDO** the course **or opt for formative assessment** (subject to conditions given in B.6 Assessment Procedure and B.6.1 Formative Assessment)".
14. If any student is having serious **attendance & marks issues**, his / her **parents may be informed** about it.

ADDITIONAL COURSE INFORMATION

Submissions in soft copy shall be mailed to rajbabu@nitt.edu before the announced deadline. 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