Course Title:	**EnvironmentalScience&Education**
Course Code:	**BTLVA102**
Course Coordinator	**Dr.Raju Shankarayan**
Credits	**2-0-0**

Evaluation Scheme Total 100Marks

Quiz(Total20Marks)				Assignment/Project (Total 20 marks) (MinimumTwoAssignmentsor one Project)		Mid-Term	Major Examination	Total
Quiz I (5marks	QuizII (5marks)	Quiz III (5marks)	QuizIV (5marks)			20 marks) (1½Hour Duration)	(40marks) (3 Hour Duration	100Marks

WEEKS	TOPICS TO BE COVERED
Week1	Environment: concept, importance and components
Week2	Ecosystem: Concept, structure and function (foodchain,foodweb, ecological pyramids and energy flow)
Week3	Ecosystem: Concept, structure and function(food chain, food web, ecological pyramids and energy flow)
Week4	Ecosystem services: (Provisioning, regulating and cultural)
Week5	Biodiversity: levels, values and threats and conservation
Week6	Biodiversity: levels, values and threats and conservation
Week7	Concept and objectives of environmental education, environmental ethics
Week8	Natural resources: Renewable and non-renewable(Global status, distribution and production)
Week9	Natural resources: Renewableandnon-renewable(Globalstatus, distribution and production)
Week10	Management of natural resources: Individual, community and government managed
Week11(17th-21stMarch,2025)	Mid-Term
2ndMay,2025	Showing of Mid-Term AnswerSheets
Week12	Air, water and soil pollution: Causes, consequences and control
Week13	Air, water and soil pollution: Causes, consequences and control

Week14	**Air, water and soil pollution: Causes, consequences and control**
Week15	**Solid waste management: Collection, segregation, transportation and disposal; 3R's**
Week16	**Climate change: Causes and consequences**
Week17(5th-9thMay,2025)	**Revision Week**
Week18(13th–22ndMay,2025)	**Major Examinations**
29thMay,2025	**Showing of Major Exams Answer Sheets**

CourseOutcomes: After successful completion of this course, students will be able to

CO1: Understand the basics of environmental sciences

CO2: Understand the concerns related to sustainable development on environment and health.

Recommended Books:

1. Asthana,D.K. Text Book of Environmental Studies.S.ChandPublishing.

2. Basu,M.,Xavier,S. Fundamentals of Environmental Studies,CambridgeUniversityPress,India.

3. Basu,R.,(Ed.) Environment. University of Calcutta,Kolkata.

4. Bharucha,E. Textbook of Environmental Studies for Undergraduate Courses.UniversitiesPress.

5. MillerT.Cr.Jr., Environmental Science,Wadsworth PublishingCo.

6. Wagner K.D.Environmental Management.W.B.SaundersCo.Philadelphia, USA499p.

7. Mckinncv, M.L.&Schoch.R.M.Environmental Science systems & Solutions.Webenhanced edition. 639p.

Calendar of Quizzes /Assignment

Component	**Date**
Quiz-I	**27th-31st,January2025**
Quiz-II	**24th-28thFebruary,2025**
Assignment-I	**10th-12thFebruary,2025**
Mid-Term	**17-21stMarch,2025**
Assignment-II/Project Submission	**21st–24thApril,2025**
Quiz-III	**7th–11thApril,2025**
Quiz-IV	**28thApril-2nd,May,2025**
MajorExam	**13th–22ndMay,2025**

Note: One surprise Quiz may be fixed out of Quiz-II,Quiz-IIIorQuiz-IV.

Signature of Course Coordinator: Dr Raju Shankarayan