



(Shri Ramkrishna Seva Mandal's)  
**ANAND COMMERCE COLLEGE**

An Autonomous College (2025-26 to 2034-35)  
(Affiliated to Sardar Patel University)  
NAAC ACCREDITED 'A' GRADE (3.04 CGPA)  
ISO 9001:2015



Syllabus as per NEP 2020 with effect from the Academic Year 2025-26

**Bachelor of Commerce**  
**B COM Semester – I**

|                        |             |                     |                       |
|------------------------|-------------|---------------------|-----------------------|
| Course Code            | UC01SECOM02 | Title of the Course | Environmental Studies |
| Total Credit of Course | 02          | Hours Per Week      | 02                    |

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Course Objectives</b> | <ol style="list-style-type: none"><li>1. To develop understanding of environmental studies—its definition, scope, and importance—with focus on renewable and non-renewable resources, sustainable lifestyles, equitable resource use, and public awareness.</li><li>2. To understand natural resources, their threats, conservation, individual roles, and national forest policy.</li><li>3. To study ecosystem concepts, structure, functions, succession, food chains/webs, and types of ecosystems.</li></ol> |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| Course Content |                                                                                                                                                                                                                                                                                                                             |                |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Unit           | Description                                                                                                                                                                                                                                                                                                                 | Weightage* (%) |
| 1.             | <b>Overview of Environmental Studies:</b> <ul style="list-style-type: none"><li>● Definition,</li><li>● Scope,</li><li>● Importance,</li><li>● Meaning and Concept of Renewable and Non-Renewable Resources,</li><li>● Equitable use of resources for sustainable lifestyles</li><li>● Need for Public awareness.</li></ul> | 35%            |
| 2.             | <b>Natural Resources and Associated Problems:</b> <ul style="list-style-type: none"><li>● Concept and Threats - Forest Resources, Water Resources, Mineral Resources, Energy Resources, Land Resources,</li><li>● Role of individual in conservation of Natural Resources,</li><li>● National Forest Policy</li></ul>       | 35%            |
| 3.             | <b>Ecosystems:</b> <ul style="list-style-type: none"><li>● Concept of an Ecosystem.</li></ul>                                                                                                                                                                                                                               | 30%            |

|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|  | <ul style="list-style-type: none"> <li>• Structure and function of an ecosystem.</li> <li>• Producers, consumers and decomposers.</li> <li>• Ecological succession.</li> <li>• Food Chains, food webs and Ecological Pyramids.</li> <li>• Introduction, types characteristics features, structures and function of the following ecosystem: - <ul style="list-style-type: none"> <li>➤ Forest ecosystem.</li> <li>➤ Grassland ecosystem.</li> <li>➤ Desert ecosystem.</li> <li>➤ Aquatic ecosystems (ponds, streams, lakes, rivers oceans, estuaries)</li> </ul> </li> </ul> |  |
|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|


|                                      |                                                                               |
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| <b>Teaching-Learning Methodology</b> | Lecture-cum-discussion, Group Discussion, Presentations, Seminars, tutorials. |
|--------------------------------------|-------------------------------------------------------------------------------|

### Internal and / or External Examination Evaluation

| Sr. No.                                 | Details of the Evaluation / Exam Pattern | 50 Marks (%)     | 25 Marks (%)     |
|-----------------------------------------|------------------------------------------|------------------|------------------|
| 1                                       | Class Test (at least one)                | 15 (30%)         | 10 (40%)         |
| 2                                       | Quiz (at least one)                      | 15 (30%)         | 05 (20%)         |
| 3                                       | Active Learning                          | 05 (10%)         | ----             |
| 4                                       | Home Assignment                          | 05 (10%)         | 05 (20%)         |
| 5                                       | Class Assignment                         | 05 (10%)         | ----             |
| 6                                       | Attendance                               | 05 (10%)         | 05 (20%)         |
| <b>Total Internal (%)</b>               |                                          | <b>50 (100%)</b> | <b>25 (100%)</b> |
| <b>College External Examination (%)</b> |                                          | <b>50 (100%)</b> | <b>25 (100%)</b> |

| <b>Course Outcomes:</b> Having completed this course, the learner will be able to |                                                                                                                                                                                                                                                                |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.                                                                                | Develop a clear understanding of environmental studies fundamentals, differentiate between renewable and non-renewable resources, value sustainable and equitable resource use, and recognize the importance of public awareness for environmental protection. |
| 2.                                                                                | Identify key natural resource challenges, understand conservation strategies, recognize their personal role in sustainable resource management, and appreciate the significance of national forest policies.                                                   |
| 3.                                                                                | Develop the ability to analyze ecosystem structures and functions, explain ecological relationships and successions, and apply knowledge of different ecosystem types to environmental conservation and management                                             |

| <b>Suggested References:</b>                                    |                                                                                                                                                                     |
|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Sr.No.</b>                                                   | <b>References</b>                                                                                                                                                   |
| 1.                                                              | <b>Dhameja, S. K.</b> (2010). <i>Environmental Studies</i> (4th ed.). New Delhi, India: S. K. Kataria & Sons. ISBN 978-8188458776;                                  |
| 2.                                                              | <b>Sharma, C. K.</b> <i>Introduction to Environmental Studies</i> . Delhi, India: Vrinda Publications Pvt. Ltd.                                                     |
| 3.                                                              | <b>Bharucha, E.</b> (2025). <i>Textbook of Environmental Studies for Undergraduate Courses</i> (4th ed.). Hyderabad, India: Universities Press. ISBN 978-9393330901 |
| Digital resources to be used if available as reference material |                                                                                                                                                                     |
| Digital Resources                                               |                                                                                                                                                                     |
| <u>Environmental Studies For Undergraduate Courses - UGC</u>    |                                                                                                                                                                     |

  
**Chairman**  
**BOS of Economics**  
**Anand Commerce College**

  
**Academic Coordinator**  
**Anand Commerce College**

  
**Principal**  
**Anand Commerce College**