

## **17.4**

### **Education in SDGs**

#### **17.4.2 Education for SDGs: Specific Courses on Sustainability**

#### **MRIIRS weblink to SDG17**

<https://mriirs.edu.in/sdg17-partnerships-for-the-goals/>

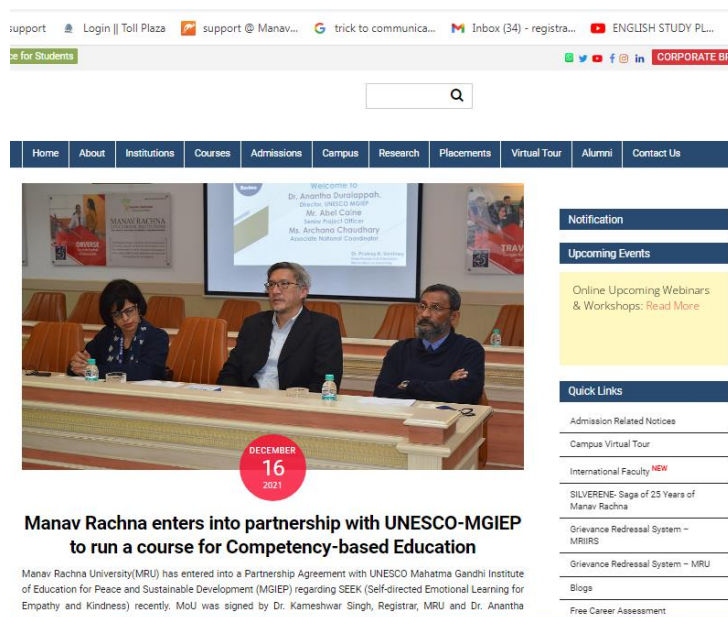
### **Education for SDGs: Specific Courses on Sustainability**

Manav Rachna has a range of elective courses and core courses focusing on sustainability and SDGs. A course titled – “Art and Sustainability” in the second semester of the Bachelor of Liberal Arts Program focuses entirely on the reflection, action and liberation element of sustainability by the application of various art forms – viz. music, dance, theatre, cinema and performance. The Core Foundation course titled – “Environmental Studies” which is offered across the University for all the students creates an interdisciplinary process of training and learning on the varied perspectives of sustainability and SDGs. A dedicated open elective course titled – “Solid Waste Management”, “Food, Hygiene and Sanitation”, “Philosophy and Physiology of Yoga”, “Green Energy Resources”, “Health, Fitness and Education”, etc are also offered across the University.

The curriculum structure is oriented and integrated into a sustainability discourse across all courses of the University. More details are provided on the evidence section.

In addition to that, there are dedicated courses like – “Essentials of Peace and Sustainability”, “Essentials of Peace” which have the following objectives –

- To provide strategic and operational level decision-making and leadership training to enhance planning and management of multidimensional peace operations.
- To support the development of India peace operations to emerge as Peaceful New Bharat.
- To provide a repository of data across the entire spectrum of peace operations.
- To provide mission focused pre-deployment training at both tactical and operational levels.
- To start research, masters and undergraduate programme in Peace.
- To spread message of peace, security and sustainable developments amongst the youth.



The screenshot shows the Manav Rachna University website. At the top, there is a navigation bar with links like 'support', 'Login || Toll Plaza', and 'support @ Manav...'. Below this is a search bar and a main menu with links: 'Home', 'About', 'Institutions', 'Courses', 'Admissions', 'Campus', 'Research', 'Placements', 'Virtual Tour', 'Alumni', and 'Contact Us'. The main content area features a large image of three people sitting at a table during a meeting. Below the image is a red circular badge with 'DECEMBER 16 2021'. The headline reads: 'Manav Rachna enters into partnership with UNESCO-MGIEP to run a course for Competency-based Education'. The text below the headline states: 'Manav Rachna University(MRU) has entered into a Partnership Agreement with UNESCO Mahatma Gandhi Institute of Education for Peace and Sustainable Development (MGIEP) regarding SEEK (Self-directed Emotional Learning for Empathy and Kindness) recently. MoU was signed by Dr. Kameshwar Singh, Registrar, MRU and Dr. Anantha'. On the right side of the page, there are sections for 'Notification', 'Upcoming Events' (with a link to 'Online Upcoming Webinars & Workshops: Read More'), and 'Quick Links' (including 'Admission Related Notices', 'Campus Virtual Tour', 'International Faculty', 'SILVERLINE: Saga of 25 Years of Manav Rachna', 'Grievance Redressal System - MRIIS', 'Grievance Redressal System - MRU', 'Blogs', and 'Free Career Assessment').

In addition to this, Manav Rachna has entered into a partnership with UNESCO-MGIEP to run a course on Competency Based Education based on the principles of peace and sustainability. The course aims to address the SDG 16 by building up the character, competence of employees, students and society at large.

## **Curriculum, Programme and Courses With Emphasis On Sustainability As A Part Of The Educational Programmes**

In the Preamble of the Liberal Arts Program of the University, Art and Sustainability component is mentioned as a one of the key objectives of the educational program. Along with that, there are wide variety of courses within the educational programmes which have integrated sustainability as a key component of the educational discourse within the University. Preamble of the programmes clearly mention sustainability as one of the objectives to be attained. Further courses across the programmes of the University are interconnected with sustainability.

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### **Preamble**

The programme BA Liberal Arts is adapted to an outcome based education system which would enable the students to acquire the capabilities to meet the demands of society and industry at regional, national and global level. The Programme Education Objectives(PEOs) of BA Liberal Arts are consistent with the Vision and Mission of the Department as well as the University, and aim to produce globally successful sociologists who are empowered to contribute to nation building through sound knowledge, research skills and research aptitude. The POs and PSOs address the PEOs and aim to produce human development professionals, social researchers and human resource management professionals with high professional and social ethics.

The curriculum exhibits the requisite balance among the fundamental, core and elective subjects. It creates a student talent pool that can serve the needs of industry and development sector needs of the national and global social research, social policy and social welfares arenas. Many courses are meant to meet the workforce needs of industry and development sectors. The course empowers the students on critical thinking and understanding, art and sustainability communication, social work, sustainable development practice, areas of arts, science and humanities through practical case studies at the national, regional and global level. The students of this programme are equipped to be employed in the development and social sector through a holistic learning of sustainability practices in real life decision making complemented by entrepreneurship skills. The issues of gender and social sustainability are also mainstreamed through the practical and experiential case study based pedagogies of the curriculum.

The design of curriculum is done in accordance with the predetermined Programme Education Objectives. The syllabus content of each course is meticulously created to develop thorough understanding and gain in-depth knowledge. A number of theory courses are accompanied with projects to inculcate the practical skills. In order to ensure the effectiveness of teaching-learning process and true implementation of the curriculum, the course outcomes of each course are developed to meet the programme outcomes and programme specific outcomes, which are also reflected in the Course Articulation Matrix. Course outcome and program outcome attainment is measured through direct and indirect tools including internal assessments, assignments, end semester examinations, dissertations, projects etc.

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### **Source –**

[https://manavrachna.edu.in/wp-content/uploads/2022/06/booklet\\_Liberal-arts\\_Year2019\\_2020\\_25022021.pdf](https://manavrachna.edu.in/wp-content/uploads/2022/06/booklet_Liberal-arts_Year2019_2020_25022021.pdf)



MANAV RACHNA INTERNATIONAL INSTITUTE OF RESEARCH AND STUDIES  
(Deemed to be University under section 3 of the UGC Act, 1956)

FACULTY OF BEHAVIORAL AND SOCIAL SCIENCES  
DEPARTMENT OF SOCIAL AND POLITICAL STUDIES

**CURRICULUM  
AND  
SCHEME OF EXAMINATION**

**(BACHELOR OF LIBERAL ARTS)**

**BATCH: 2019-22**

**Source - [https://manavrachna.edu.in/wp-content/uploads/2022/06/booklet\\_Liberal-arts\\_Year2019\\_2020\\_25022021.pdf](https://manavrachna.edu.in/wp-content/uploads/2022/06/booklet_Liberal-arts_Year2019_2020_25022021.pdf)**

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### Semester I

#### MANAV RACHNA INTERNATIONAL INSTITUTE OF RESEARCH AND STUDIES (MRIIRS)

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#### BLA-DS-101 (CH-202B): Environmental Studies

Periods/week Credits Maximum marks : 200  
L: 3 T: 1 4 Continuous Assessment : 100  
Duration of theory examination: 3hrs. End Semester Examination: 100

**Prerequisites:** NA

**Course Type:** Foundation

#### **Course Outcomes**

By the end of course, students would be able to:

BLA-DS-101.1 Assess importance of natural resources and environment, and their major concerns

BLA-DS-101.2 Understand basic structure with issues of ecosystem with energy flows and biodiversity conservation

BLA-DS-101.3 Understand socioeconomic concern of environment including pollutions and disaster management, etc.

### PART A

#### **Unit-1: Nature of Environmental Studies**

Definition, multidisciplinary scope and importance of environmental studies; need for public awareness.

#### **Unit-2: Natural Resources**

Renewable v/s non-renewable natural resources and associated problems; forest resources: use and over-exploitation, deforestation, case studies, timber extraction, mining, dams and their effects on forest and tribal people; water resources: use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems; mineral resources: use and exploitation, environmental effects of extracting and using mineral resources, case studies; food resources: world food problems, changes caused by agriculture and over-grazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies; energy resources: growing energy needs, renewable and non renewable energy sources, use of alternate energy sources, case studies; land resources: land as a resource, land degradation, man induced landslides, soil erosion and desertification; role of an individual in conservation of natural resources; equitable use of resources for sustainable lifestyles.

#### **Unit-3: Ecosystems**

Concept of ecosystem, structure and function of an ecosystem; producers, consumers and decomposers, energy flow in ecosystem; ecological succession; food chains, food webs and ecological pyramids; introduction, types, characteristic features, structure and function of different eco-system: forest ecosystem, grassland ecosystem, desert ecosystem, aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries).

#### **Unit-4: Biodiversity and its Conservation**

Introduction, definition: genetic, species and ecosystem diversity; biogeographical classification of India; value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option values; biodiversity at global, national and local levels; India as a mega-diversity nation, hot-spots of biodiversity; threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts, endangered and endemic species of India; conservation of biodiversity: in-situ and ex-situ conservation of biodiversity.

### PART B

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## SDG- 17 PARTNERSHIP FOR THE GOALS



### MANAV RACHNA INTERNATIONAL INSTITUTE OF RESEARCH AND STUDIES (MRIIRS) (Deemed to be University under section 3 of the UGC Act 1956)

#### BLA-DS-205: Art and Sustainability

Periods/week Credits

Max. Marks: 200

L: 3 T: 1 4

Continuous Assessment: 100

Duration of Examination: 2 Hrs

End Semester Exam: 100

Prerequisites: NA

Course Type: Core

#### Course Outcomes

The objectives of the course will be to:

**BLA-DS-205.1** Describe basic concepts related to art and sustainability.

**BLA-DS-205. 2** Create and develop reflection, action and liberation component of art, sustainability

**BLA-DS-205.3** Demonstrate and determine the application of art in understanding, reflecting, assessing sustainability

#### PART A

##### UNIT – I: Introduction to Art:

- 1.1 What is Art?
- 1.2 What are the different forms and traditions of Art?
- 1.3 What is an Ecological Art History?

##### Unit – II Foundations of Art and Sustainability

- 2.1 Definitions of Art and Sustainability
- 2.2 How are Art and Sustainability connected?

##### Unit-III Concepts of Reflection, Action and Liberation Component of Art and Sustainability

- 2.1 Definitions of reflection, action and liberation component of Art and Sustainability

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#### Appendix C: List of courses and proposed activities relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability

	Environment and Sustainability	Professional Ethics	Human Values	Gender Equality
Environmental Studies CH 202B	✓			
Art, Sustainability and Healing		✓	✓	
Art and Sustainability		✓	✓	

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## Courses On Peace and Sustainability and Cultural Exchange On Peace And Sustainability (Sdg16) During Jan 2020 – June 2022

### Course “Essentials of Peace & Sustainability”

- Offered to all undergraduates
- Fakir Mohan State University offered our course to their undergraduates

### Course “Essentials of Peace”

- Approved by UNESCO OERBW for mentorship programme
- AICTE has given in principle go ahead for Swayam platform

### Cultural Exchange with Seikei Univ. Students

