



SOURASHTRA COLLEGE, MADURAI – 625004

(An Autonomous Institution Re-accredited with 'B+' grade by NAAC)

VALUE EDUCATION AND ENVIRONMENTAL STUDIES – SYLLABUS

(Under CBCS based on OBE) (For those admitted during 2024 – 2025 and after)

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I – SEMESTER

S. No.	Course Code	Course Title	Hrs. / Week	Exam (Hrs.)	CA	SE	Total Marks	Credits
1.	24UACVE1	VALUE EDUCATION	2	3	25	75	100	2
		TOTAL	2	3	25	75	100	2

II – SEMESTER

S. No.	Course Code	Course Title	Hrs. / Week	Exam (Hrs.)	CA	SE	Total Marks	Credits
1.	24UACES1	ENVIRONMENTAL STUDIES	2	3	25	75	100	2
		TOTAL	2	3	25	75	100	2

CA – Class Assessment (Internal)

SE – Summative Examination

SBS – Skill Based Subject

NME – Non – Major Elective

T – Theory

P – Practical



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COURSE CODE	COURSE TITLE	CATEGORY	T	P	CREDITS
24UACVE1	VALUE EDUCATION	PART – IV	2	-	2

YEAR	SEMESTER	INTERNAL	EXTERNAL	TOTAL
I	I	25	75	100

NATURE OF COURSE	Employability <input checked="" type="checkbox"/>	Skill Oriented <input checked="" type="checkbox"/>	Entrepreneurship <input checked="" type="checkbox"/>
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COURSE DESCRIPTION:

This course aims to promote the values of peace, non-violence, religious tolerance and secular thinking among the students and equip the learners for a harmonious living in the society

COURSE OBJECTIVES:

- Developing a positive character, empathetic human being, responsible citizen.
- Promoting a sustainable life style for the individual, community and mankind
- Inculcating a positive work culture respecting professional ethics
- Inculcating Leadership

COURSE OUTCOMES (COs):

After the completion of the course, the students will be able to

No.	Course Outcomes	Knowledge Level (According to Bloom's Taxonomy)
CO 1	develop his/her personality in its physical, mental, emotional and spiritual aspects	Upto K3
CO 2	inculcate good manners and become responsible and cooperative citizenship.	Upto K3
CO 3	develop a democratic way of thinking and living.	Upto K3
CO 4	analyse emotional, social, spiritual attribute to acquire well balanced Personality	Upto K3
CO 5	acquire professional values	Upto K3

K1– KNOWLEDGE (REMEMBERING), K2–UNDERSTANDING, K3–APPLY



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VALUE EDUCATION

UNIT – I: VALUES AND THE INDIVIDUAL

Values and meaning: The significance of values; classification of values; need for value education. Value and the individual: self discipline, self confidence, self initiative, empathy, compassion, forgiveness, honesty and courage. Role Model: Mahatma Gandhi.

UNIT –II: VALUES AND RELIGION

Introduction, Karmayoga in Hinduism, love and justice in Christianity, Brotherhood in Islam, compassion in Buddhism, Ahimsa in Jainism and courage in Sikhism. Need for religious harmony. Role Models: Swami Vivekananda.

UNIT – III: VALUES AND SOCIETY

Definition of Society, democracy, secularism, socialism, gender justice. Human rights, socio political awareness, social integration and social justice. – Role model: APJ Abdul Kalam

UNIT – IV: PROFESSIONAL VALUES

Definition, Accountability, willingness to learn, team spirit, competence development, honesty, transparency, respecting others, democratic functioning, integrity and commitment.

Women Empowerment: Concept, Types, Essential Factors, Role of Government, Society and Family.

Role Model: Sundar Pichai

UNIT – V: ROLE OF SOCIAL INSTITUTIONS IN VALUE FORMATION

Role of family, mass media in value formation. Indian University –Nalanda University; Indian Scientists- Srinivasa Ramanujan and Adam Smith (Father of Economics); Role model: Sir C V Raman.

TEXT BOOK:

1. *A text book of Value Education* by Prof. Murugesan.
2. V. Ramamani, K.R. Lakshmi, N. M. Mekala, K. Gnanaguru, G. Kalaivani, S. Bhuvaneshwari. 2015. *Value Education*. Shanlax Press, Madurai – 625003.

REFERENCE BOOK:

1. Subramanian, K. *Values in Education*, Ramana Publications, 1995.

DIGITAL TOOLS:

1. <https://www.youtube.com/watch?v=ruKY3GqBvYQ>.
2. <https://www.republicworld.com/technology-news/science/15-famousindian-scientists-list-know-what-were-their-innovations.html>
3. https://www.youtube.com/watch?v=M9_I9DDvEs

COURSE DESIGNER: Dr. M. VENKATESAN

Passed in the BoS Meeting held on 09/03/2024

Signature of the Chairman



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COURSE CODE	COURSE TITLE	CATEGORY	T	P	CREDITS
24UACES1	ENVIRONMENTAL STUDIES	PART – IV	2	-	2

YEAR	SEMESTER	INTERNAL	EXTERNAL	TOTAL
I	II	25	75	100

NATURE OF COURSE	Employability <input checked="" type="checkbox"/>	Skill Oriented <input checked="" type="checkbox"/>	Entrepreneurship <input checked="" type="checkbox"/>
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COURSE DESCRIPTION:

Imparting basic knowledge about the environment and its allied problems and striving to attain harmony with Nature.

COURSE OBJECTIVES:

- Creating awareness about environmental problems among people.
- Developing an attitude of concern for the environment.
- Motivating public to participate in environment protection and environment improvement.
- Acquiring skills to help the concerned individuals in identifying and solving environmental problems.

COURSE OUTCOMES (COs):

After the completion of the course, the students will be able to

No.	Course Outcomes	Knowledge Level (According to Bloom's Taxonomy)
CO 1	recognize and expose the importance natural resources	Upto K3
CO 2	define the structure and functions of ecosystem	Upto K3
CO 3	explain the benefits of biodiversity and its conservation	Upto K3
CO 4	summarise the sources, effects and control measures of various types of pollutants	Upto K3
CO 5	understand the global environmental issues	Upto K3

K1– KNOWLEDGE (REMEMBERING), K2–UNDERSTANDING, K3–APPLY

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ENVIRONMENTAL STUDIES

UNIT – I: MULTIDISCIPLINARY NATURE OF ENVIRONMENTAL STUDIES

Definition, scope and importance. Natural Resources: Renewable and non-renewable resources; Forest and water resources. Deforestation- definition, causes and their effects; Afforestation

UNIT – II: CONCEPT OF AN ECOSYSTEM

Structure and function of an ecosystem. Producers, consumers and decomposers. Energy flow in the ecosystem. Food chains, food webs and ecological pyramids. Structure and function of grassland ecosystem and pond ecosystem.

UNIT – III: BIODIVERSITY AND ITS CONSERVATION

Introduction – Definition: genetic, species and ecosystem diversity. Value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option values. India as a mega-diversity nation. Hot-spots of biodiversity. Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts. Endangered and endemic flora and fauna species of India. Conservation of biodiversity: *In-situ* and *Ex-situ* conservation

UNIT – IV: ENVIRONMENTAL POLLUTION

Definition. Cause, effects and control measures of: a. Air pollution b. Water pollution c. Soil pollution d. Noise pollution. Solid waste Management. Role of an individual in prevention of pollution.

UNIT – V: SOCIAL ISSUES AND THE ENVIRONMENT

From Unsustainable to Sustainable development. Climate change, global warming, acid rain, ozone layer depletion, Population explosion. Role of Information Technology in Environment and human health.

FIELD WORK

1. Visit to a local area to document environmental assets river/forest/grassland/hill/mountain
2. Visit to a local polluted site-Urban/Rural/Industrial/Agricultural
3. Study of common plants, insects, birds.
4. Study of simple ecosystems-pond, river, hill slopes, etc

TEXT BOOKS:

1. K.M. Poornima, K.P. Gnanesh, G.R. Shyamala, M. Balaji, M. Rajasekaran and M. Venkatesan. 2015. *Environmental Studies*. Shanlax press, Madurai – 625003. Pp.23-34. (ISBN No. – 978-81-929458-1-1).
2. Dharmaraj, J. *Text book of Environmental studies*, S. Chand and Co. New Delhi, 1995.
3. Susila Appadurai. *Environmental Studies*, New Century Book House, 2012.

REFERENCE BOOKS:

1. Bharucha Erach. 2004. *Textbook for Environmental Studies*. University Grants Commission, New Delhi.
2. Agarwal, K.C. *Environmental Biology*, Nidi publication Ltd, Bikaner, 2001.
3. Odum, E.P. *Fundamentals of Ecology*, W.B. Saunders Co. USA, 1971.
4. Miller, T.G. *Environmental sciences*, Wadsworth Publishing Co, New Delhi. 2004

DIGITAL TOOL: <https://www.ugc.ac.in/oldpdf/modelcurriculum/env.pdf>

COURSE DESIGNER: Dr. M. VENKATESAN