

Program	UG Programs				
Year	I	Semester		I	
Course Name	Foundation of Universal Human Values				
Code	UHV11101				
Course Type	VAC	L	T	P	Credit
Pre-Requisite		2	0	0	2
Course Objectives	The main objective of this subject is to introduce the fundamental concepts of Universal Human Values. It focusses on implementation of values education in professional graduates to impart with human values-based skill education. It introduces understanding human self-regulation & health in addition of understanding values in human-to-human relationships.				
Course Outcomes					
CO1	Understanding the need and importance of value education and self-exploration in human life.				
CO2	Understanding basic human aspirant, their fulfillments happiness and prosperity.				
Module	Course Contents			Contact Hrs.	Mapped CO
1	Understanding Value Education: Understanding Need, Role of Education, Meaning of Value Education, Meaning of Skill Education, Complementarity of Values and Skills, Priority of Values over Skills, The Need and Important Implications of Value Education, Development of Ethical Competence, Guidelines for Value Education, Content of Value Education, Process of Value Education; Self-exploration in Value Education: Meaning of Self-exploration, The Dialogue Within, The Content for Self-exploration, The Process of Self-exploration, Natural Acceptance, Important Implications of Self-exploration.			15	CO1
2	Basic Human Aspirations and their Fulfilment: Meaning of Basic Human Aspiration, Keys to Basic Human Aspirations, Basic Requirements for Fulfilment of Human Aspirations, Development of Human Consciousness, Holistic Development, Role of Education-Sanskar; Understanding Happiness and Prosperity: Exploring the Meaning of Happiness, Programme for Continuity of Happiness, Exploring the Meaning of Prosperity, Prevailing Notions of Happiness, The Programme for Happiness, Understanding the Human Being: Characteristics of Human Being, Co-existence of the Self and the Body, Consciousness Entity, Material Entity; Self Reflection and Personal Growth (Case Studies).			15	CO2

Suggested Readings:

1. R R Gaur, R Asthana, G P Bagaria, "A foundation course in Human Values and Professional Ethics", UHV Publications, 3rd Revised Edition, 2023.
2. A N Tripathy, "Human Values", New Age International Publishers, 2003.
3. A Nagaraj, "Jivana Vidya Ek Parichaya, Jivana Vidya Prakasana", Amarkantak, 1999.

Online Resources:

1. Universal Human Values website, <http://www.uhv.org.in/>
2. Story of Stuff website, <http://www.storyofstuff.com/>

Course Articulation Matrix														
PO-PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	1	1	1	1		1	2	2	3	2		2		
CO2	2	1	1	1		3	3	1	1	2		2		

Program	UG Programs				
Year	I	Semester		II	
Course Name	Understanding Harmony				
Code	UHV12102				
Course Type	VAC	L	T	P	Credit
Pre-Requisite		2	0	0	2
Course Objectives	The main objective of this subject is to introduce the concepts of harmony in the human beings, family, society and existence. It focusses on understanding Interconnectedness, self-regulation, mutual fulfillment and implications of right understanding.				
Course Outcomes					
CO1	Understanding the harmony in human beings and family.				
CO2	Understanding the harmony in the nature, existence and implications of right understanding				
Module	Course Contents			Contact Hrs.	Mapped CO
1	Introduction to Harmony: Meaning of Harmony, Types of Harmony; Harmony in Human Beings: Harmony in the Self – Activities of the Self, Imagination, Behavior and Work, State of Imagination, Sources of Imagination, Natural Acceptance; Harmony in the Body: The Self as the Seer-Doer-Enjoyer, Body as an Instrument, Harmony of the Self with the Body, Programme for self-regulation and Health, Revisiting Prosperity; Harmony in the Family: Human Interaction, Understanding Relationship, Trust, aspects of trust- Intention vs Competence, Respect vs Disrespect, Respect as Right Evaluation, Affection, Care and Guidance, Reverence, Glory and Gratitude, Reverence, Love vs Infatuation, Right Feeling, Role of Physical Facility, Response and Reaction in Behavior, Understanding Justice.			15	CO1
2	Harmony in the Nature: Nature as Collection of Units, Classification of Units, Interconnectedness and Mutual Fulfilment, Self-regulation in Nature, Understanding the Four Orders, Significance of Education-Sanskar for Human Order, Abundance in Nature, Human Being Dependency; Harmony in the Existence: Existence as Units in Space, Material and Consciousness Units, Classification of Material Units, Classification of Consciousness, Existential Sense, Expression of Co-existence at Different Levels, Role of Human Being in Existence; Implications of Right Understanding: Values in Different Dimensions of Human Living, Source of Right Understanding, Ethical Human Conduct, Implications of Value-based Living, Holistic Perceptions of Harmony (Case Studies).			15	CO2

Suggested Readings:

1. R R Gaur, R Asthana, G P Bagaria, "A foundation course in Human Values and Professional Ethics", UHV Publications, 3rd Revised Edition, 2023.
2. A N Tripathy, "Human Values", New Age International Publishers, 2003.
3. A Nagaraj, "Jivana Vidya Ek Parichaya, Jivana Vidya Prakasana", Amarkantak, 1999.

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1. Universal Human Values website, <http://www.uhv.org.in/>
2. Story of Stuff website, <http://www.storyofstuff.com/>

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CO1	1	1	2	1		1	2	2	2	2		1		
CO2	2	1	1	1		3	3	1	3	2		1		

Program	UG Programs				
Year	II	Semester		III	
Course Name	Indian Knowledge System				
Code	IKS13201				
Course Type	VAC	L	T	P	Credit
Pre-Requisite		2	0	0	2
Course Objectives	In this basic course, a special attention is given to the historical prospective of ideas occurrence in the ancient society, and implication to the concept of material world, and religious, social, and cultural beliefs.				
Course Outcomes					
CO1	To understand the concept of Bhartiya Civilization and traditional knowledge system in education and science.				
CO2	To understand traditional concepts in Mathematics, Astronomy and Life Sciences in different areas.				
Module	Course Contents			Contact Hrs.	Mapped CO
1	Bharatiya Civilization and Development of Knowledge System: Genesis of the land, Antiquity of civilization, On the Trail of the Lost River, Discovery of the Saraswati River, the Saraswati Sindhu Civilization, Traditional Knowledge System: The Vedas, Main Schools of Philosophy. Ancient Education System: The Takṣasila University, the Nalanda University, Knowledge Export from Bharata Science: Concept of Matter (Dravya), Life (Jiva) and Universe(Brahmanda), Gravity, Sage Agastya’s Model of Battery, Velocity of Light.			15	CO1
2	Astronomy snd Mathematics: Vimana: Aeronautics, Vedic Cosmology and Modern Concepts, History and Culture of Astronomy (Jyotisha), Sun, Earth, Moon, and Eclipses(Grahan), Earth is Spherical (Bhugola Chakra) and Rotation of Earth, Concepts of Zero and Pi, Number System, Pythagoras Theorem, and Introduction to Vedic Mathematics. Engineering, Technology, and Architecture: Pre-Harappan and Sindhu Valley Civilization, Engineering Science and Technology in the Vedic Age and Post-Vedic Records, Iron Pillar of Delhi, Rakhigarhi, Mehrgarh, Sindhu Valley Civilization, Marine Technology, and Bet–Dwarka. Life, Environment, and Health: Ethnic Studies, Life Science in Plants, Agriculture, Environment and Yoga.			15	CO1 & CO2

Suggested Readings

1. Textbook on The Knowledge System of Bharata by Bhag Chand Chauhan.
2. History of Science in India Volume-1, Part-I, Part-II, Volume VIII, by Sibaji Raha, et al. National Academy of Sciences, India and The Ramkrishan Mission Institute of Culture, Kolkata (2014).
3. Pride of India- A Glimpse of India's Scientific Heritage edited by Pradeep Kohle et al. Samskrit Bharati (2006).
4. Vedic Physics by Keshav Dev Verma, Motilal Banarsidass Publishers (2012).
5. India's Glorious Scientific Tradition by Suresh Soni, Ocean Books Pvt. Ltd. (2010).

Online Resources

1. https://onlinecourses.nptel.ac.in/noc25_ae08/preview
2. https://onlinecourses.swayam2.ac.in/ntr25_ed18/preview

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CO1	1							1						
CO2	1							2						