

Ability Enhancement Course

1. English Communications
2. Environmental Science

1. Name of the Department: Language						
2. Course Name	English Communication	L	T		P	
3. Course Code	09010112	2	0		0	
4. Type of Course (use tick mark)		Core ()	DSE ()	AEC (✓)	SEC ()	OE ()
5. Pre-requisite (if any)		6. Frequency (use tick marks)	Even ()	Odd (✓)	Either Sem ()	Every Sem ()
7. Total Number of Lectures, Tutorials, Practical						
Lectures = 30		Tutorials = 0		Practical = 0		
8. Course Description:						
Centre for Languages and Communication Skills focuses on language classes such English, German and French. English language is being taught as a mandatory subject to the 1 st Year students of SGT University. Effective communication is the need of the hour. Language learning is effective when we experience the language. To experience the language, it is essential for students to co-relate their classroom learning with their outside work. Continuous motivational approach is the key to make students participant actively in learning language.						
9. Course Objectives:						
<ol style="list-style-type: none"> 1. Help students to widen their horizons and open new avenues for higher studies/research aboard and at home. 2. Enhance usage of English vocabulary 3. To make students enhance communication skills as well as positive personality traits 						
10. Course Outcomes (COs):						
<ol style="list-style-type: none"> 1. English courses help students build skills of analytical and interpretive argument; become careful and critical readers; practice writing-in a variety of genres-as a process of intellectual inquiry and creative expression; and ultimately to become more effective thinkers and communicators who are well-equipped for a variety of careers in our information-intensive society. 2. Students will become accomplished, active readers who appreciate ambiguity and complexity, and who can articulate their own interpretations with an awareness and curiosity for other perspectives. 3. Students will be able to write effectively for a variety of professional and social settings. They will practice writing as a process of motivated inquiry, engaging other writers' ideas as they explore and develop their own. They will demonstrate an ability to revise for content and edit for grammatical and stylistic clarity. And they will develop an awareness of and confidence in their own voice as a writer. 4. Students will demonstrate the skills needed to participate in a conversation that builds knowledge collaboratively: listening carefully and respectfully to others' viewpoints; articulating their own ideas and questions clearly; and situating their own ideas in relation to other voices and ideas. Students will be able to prepare, organize, and deliver an engaging oral presentation. 						
11. Unit wise detailed content						
Unit-1	Number of lectures = 6	Title of the unit: Listening Comprehension				
Speeches, Interviews, audio-video clippings followed by exercises, Introduction to Communication,						

Importance of Communication, Barriers to Communication and ways to overcome them.		
Unit - 2	Number of lectures = 6	Title of the unit: Conversation Skills
Greetings and Introducing oneself, Framing questions and answers, Role play, Buying: asking details etc, Word formation strategies, Vocabulary building: Antonyms, Synonyms, Affixation, Suffixation, One word substitution		
Unit - 3	Number of lectures = 6	Title of the unit: Reading Comprehension
Simple narration and Stories, Newspaper and articles clippings, Sentence types, Note Making, Paragraph Writing, Comprehension, Report Writing: types, characteristics		
Unit - 4	Number of lectures = 6	Title of the unit: Pronunciation
Pronunciation, Syllable and Stress, Intonation and Modulation		
Unit - 5	Number of lectures = 6	Title of the unit: Writing Comprehension
Letters: types, format, style, Précis Writing, Paragraph: Order, Topic sentence, consistency, coherence, Report and Proposal, Project Writing: Features, Structure		
12. Books Recommended		
<ol style="list-style-type: none"> 1. Fluency in English-II, Department of English, Delhi University, Oxford University Press 2. Murphy's English Grammar with CD, Murphy, Cambridge University Press 3. English Vocabulary in Use (Advanced), Michael McCarthy and Felicity, CUP 4. Learning Spoken English by Lynn Lundquist-ASIN: B0094XNOPW 5. Essential English Grammar: A Self-Study Reference and Practice Book for Elementary 		

1. Name of the Department: Allied Health Science						
2. Course Name	Environmental Sciences	L	T	P		
3. Course Code	09010211	2	0	0		
4. Type of Course (use tick mark)		Core ()	DSE ()	AEC (✓)	SEC ()	OE ()
5. Pre-requisite (if any)		6. Frequency (use tick marks)	Even (✓)	Odd ()	Either Sem ()	Every Sem ()
7. Total Number of Lectures, Tutorials, Practical						
Lectures = 30			Tutorials = 0		Practical = 0	
8. Course Description:						
<p>Environmental Science subject focuses on the scientific principles, concepts, and methodologies required to understand the functions of global environment. This course will give you the skills necessary to address the environmental issues we are facing today, to analyze the relative risks associated with these problems and explores possibilities for alleviating and preventing these problems. In this course students can survey some major environmental problems of society at an introductory level and ultimately considering the sustainability of human activities on the planet.</p>						
9. Course Objectives:						
<ol style="list-style-type: none"> 1. Create awareness among students about the environmental problems. 2. Motivate students by concern for welfare of the many human and non-human communities. 3. To nurture respect and love for the natural system. 4. Acquire basic knowledge and skills to identify and solve the environmental problems. 5. Strive to attain harmony with nature. 						
10. Course Outcomes (COs):						
<ol style="list-style-type: none"> 1. Students will develop a sense of responsibility by becoming aware of environmental issues. 2. Students will able to analyze the local and global environmental problems; looking at the science behind them. 3. Students will able to learn different scientific approaches to solve the local environmental problems. 4. Understand key concepts for sustainable development. 						
11. Unit wise detailed content						
Unit-1	Number of lectures = 6	Title of the unit: Introduction to environment and natural resources.				
<p>The Multidisciplinary nature of environmental studies: Definition, scope and importance, Need for public awareness.</p> <p>Natural Resources: Renewable and non-renewable resources: Natural resources and associated problems. Forest resources: Use and over-exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forests and tribal people. Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dam's 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 overgrazing, 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.</p>						

Unit - 2	Number of lectures = 6	Title of the unit: Ecology and Bio-diversity
<p>Ecosystems: Concept of an ecosystem, Structure and function of an ecosystem. Producers, consumers and decomposers, Energy flow in the ecosystem, Ecological succession, Food chains, food webs and ecological pyramids. Biodiversity and its conservation: Hot-spots of biodiversity Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts. Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity.</p>		
Unit - 3	Number of lectures = 6	Title of the unit: Environmental Pollution
<p>Definition, causes, effects and control measures of: Air pollution, Water pollution, Soil pollution, Marine pollution, Noise pollution, Thermal pollution, Nuclear hazards. Solid waste Management: Causes, effects and control measures of urban and industrial wastes, Fireworks, their impacts and hazards. Pollution case studies. Disaster management: floods, earthquake, cyclone and landslides.</p>		
Unit - 4	Number of lectures = 6	Title of the unit: Social issues and Environment
<p>Social Issues and the Environment From: Unsustainable to Sustainable development, Urban problems related to energy, Water conservation, rain water harvesting, watershed management, Resettlement and rehabilitation of people; its problems and concerns. Case studies. Environmental ethics: Issues and possible solutions, Consumerism and waste products, Environmental Legislation (Acts and Laws), Issues involved in enforcement of environmental legislation</p> <p>Human Population and the Environment: Population growth, variation among nations with case studies, Population explosion – Family Welfare Programmes and Family Planning Programmes, Human Rights, Value Education, Women and Child Welfare.</p>		
12. Books Recommended		
<ol style="list-style-type: none"> 1. A.K. De, Environmental Chemistry, Wiley Eastern Ltd. 2. P.D. Sharma, Ecology and Environment, Rastogi Publications. 3. Y. K. Singh, Environmental Science, New Age International Pvt., Publisher Bangalore. 4. Kaushik and Kaushik, Respective in Environmental Studies. 5. Bharucha Erach, The Biodiversity of India, Mapin Pu Publishing Pyt. Ltd., Ahmedabad. 6. Agarwal K.C., 2001, Environmental Biology, Nidi Publishing Ltd. Bikaner. 		