VANITA VISHRAM WOMEN'S UNIVERSITY (Managed By: Vanita Vishram, Surat) 1st Women's University of Gujarat



SCHOOL OF VOCATIONAL STUDIES

DEPARTMENT OF FASHION DESIGNING

B.VOC FASHION DESIGNING

SYLLABUS Semester II

AS PER NEP-2020 W.E.F 2024-25

VANITA VISHRAM WOMEN'S UNIVERSITY, SURAT

SCHOOL OF VOCATIONAL STUDIES Department of Fashion Designing FY B.VOC. Semester II MAJOR

FDM203-1C: ADVANCED FASHION ILLUSTRATION

Credit 4 Contact Hour per week 8

Course type	Practical			
Level of the course	200-299 Intermediate-Level			
Purpose of Course	One of the most significant components of the fashion business is illustration. It is a means of displaying one's creative abilities and imagination to the rest of the world. The goal of the course is for students to learn the art of illustration in order to express their abilities.			
Course Objective	CO1. To enable the students to understand the concept of fashion illustration.			
	CO2. A sound understanding of garment detailing			
	CO3. Understand the different techniques of rendering			
	CO4. To understand color combinations and their importance			
Minimum weeks	15 (Including Class work, examinations, preparation,			
per Semester	holidays, etc.)			
Last Review / Revision	December 2023			
Pre-requisite	Advanced knowledge of Fashion design and illustration.			
Teaching Methodology	Classroom teaching, demonstration, discussion, digital learning and assignment			
Evaluation Method	50% Continuous Comprehensive Evaluation (CCE) 50% Semester End Examination (SEE)			

Unit No.	Title of the	% Weightage of Unit	Minimum
	Unit		Nos. of
			Hours
1	Garment	25%	15
	detailing		
2		25%	15
	Fabric Prints		
	and Textures		
3	Garment	25%	15
	Designing		

	with Design elements		
4	Garment Collection	25%	15

Course Contents:

Units	Particulars	% Weightage of	Minimum Nos. of
		Unit	Hours
1	Garment detailing	25 %	15
	Necklines		
	• Sleeves		
	• Skirts		
	• Pants		
	• Footwear		
2		25%	15
	Fabric Prince and Textures		
	Brocade		
	Block Print		
	• Ikat		
	 Velvet 		
	 Batik 		
	• Jute		
3	Garment Designing with Design elements	25%	15
	• Line		
	• Shapes		
	• Colour		
4	Collection Designing	25%	15
	Theme Research		
	 Mood board, StoryBoard 		
	 Garment designing 		
	• Jury		

REFERENCE

Core references:

- Bina A. (1998), Fashion Sketch Book Written and Illustrated, Fair Child Publications, New York.
- P. J. Ireland, Fashion Design Illustration Women, B. T. Batsford Ltd.
- Essential Fashion Illustration Color + Medium, Rockport Publishers, 2008

Reference books:

- Anna Kiper, Fashion Illustration: Inspiration and Techniques, 8th Edition
- Carol A.Nunnely, Fashion Illustration School: A Complete Handbook for Aspiring Designers and Illustrators, Thames and Hudson
- Shape & Form: Design Elements, (Elements of Design) by Albert A Porter, Davis Publications Inc., U.S. 1974
- Fashion Illustration Techniques: A Super Reference Book for Beginners by Zeshu

П	r.,	١			
	Γа]	ĸя	m	ш	ra

COURSE OUTCOMES:

Upon successful completion of the course,

1.	Students will learn about different types of fashion figures and practical aspects.
2.	Students will be able to use different color mediums for the designing.
3.	They will be able to understand the importance of color and color matching
) 4.	They will be able to develop patterns and designs

COURSE OUTCOMES MAPPING

Unit No.	Title of the Unit	Course Outcomes			es
		CO 1	CO 2	CO 3	CO 4
1	Garment detailing				
2					
	Fabric Prints and Textures				
3	Garment Designing with Design elements				
4	Garment Collection				

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1						
CO2						
CO3						
CO4						

Department of Fashion Designing FY B.VOC. Semester II MAJOR

FDM204-1C: INTRODUCTION TO INDIAN CRAFT AND TEXTILES

Credit 4 Contact Hour per week 4

C 4					
Course type	Theory				
Level of the	200-299 Intermediate-Level				
course					
Purpose of Course	Each state of India represents different cultures and have their distinctive features. The art of ancient weaving, printing and painting not only represents their creativity but also are integral part of their livelihood. This course is designed to revive the essence of tradition and to embrace the beauty of nature.				
Course Objective	CO1: To create the awareness regarding tradition of india amongst the tudents CO2: To provide the knowledge of traditional techniques and color of raditional art.				
Minimum weeks per Semester	15 (Including Class work, examinations, preparation, holidays, etc.)				
Last Review / Revision	April 2023				
Prerequisite Elementary knowledge of Indian Textiles and Handicrafts					
Teaching Class Room Teaching, Discussion and Assignment, Demonstra Methodology					
Evaluation Method	50% Continuous Comprehensive Evaluation (CCE) 50% Semester End Examination (SEE)				

Unit No.	Title of the Unit	% Weightage of Unit	Minimum Nos. of Hours
1	Introduction to Indian textiles	10	3
2	Painted Textiles	35	24
3	Printed Textiles	35	24

4		20	9
	Languishing Needlecraft		

Course Content:

Units	Particulars	% Weightage of	Minimum Nos. of
1		Unit 10	Hours 3
1	Introduction to Indian textiles	10	3
	 History of textiles 		
2		35	24
	Painted Textiles		
	P'		
	Pigment paintedPattachitra of Odisha		
	Pichhvai of RajasthanPhad of Rajasthan		
	Phad of RajasthanMordant painted		
	Kalamkari of Masulipatnam		
	Kalamkari of Srikalahasti		
	Mata-ni-pachedi of Ahmedabad		
3	f	35	24
	Printed Textiles		
	Hand Block Printed		
	Ajrakh from Gujarat		
	Saudagari from Gujarat		
	Mud print from GujaratRogan printing from Gujarat		
	Rogan printing from GujaratSanganer printingfrom Rajasthan		
	 Bagh from Madhya Pradesh 		
	Khari from Western India		
4	111011	20	9
	Languishing Needlecraft	_,	
	Sozni and Aari embroidery from		
	Kashmir		
	Kutch and Kathiawar Gote work and Karahahi from		
	 Gota work and Karchobi from Rajasthan 		
	Parsi gara		
	Zardozi from Uttar pradesh		
	• Toda embroidery from		
	Tamilnadu		
	• Khneng embroidery from		
	Meghalaya		
	 Nakshi kantha from Tripura 		

Core references:

 Karolia, A. (2020, January 31). Traditional Indian Handcrafted Textiles. Niyogi Books.

Reference books:

- Jain, J. (2019). Traditional Indian Textiles. Roli Books.
- Crill, R., & Kar, R. (2016). The Indian Textile Sourcebook. Thames & Hudson
- Irwin, J. (2019). Textiles and Dress of Gujarat. Mapin Publishing.
- Bhandari, V. (2015). Crafts of India: Handmade in India. Roli Books.
- Kumar, R. (2017). Indian Textiles: Past and Present. Oxford University Press.
- Jain, J. (2016). Crafts of India. Roli Books.
- Kumar, R. (2014). Traditional Indian Crafts. Niyogi Books.
- 3. Gillow, J., & Barnard, N. (2010). Indian Textiles. Thames & Hudson.
- Jain, J., & Jain, R. K. (2015). Handmade in India: A Geographic Encyclopedia of Indian Handicrafts. Abbeville Press.
- Chishti, R., & Sharma, R. (2016). Indian Textiles: Trade and Tradition. Niyogi Books.

COURSE OUTCOMES:

Upon successful completion of the course,

CO1.	Students will learn the detailing and construction of the garment
CO2.	Students will learn about the beautification of the garments.

COURSE OUTCOMES MAPPING

Unit No.	Title of the Unit	Course Outcomes		
		CO 1	CO 2	
1				
	Introduction to Indian textiles			
2				
	Painted Textiles			
3				
	Printed Textiles			
4				
	Languishing Needlecraft			

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1						
CO2						

Department of Fashion Designing FY B.VOC. Semester II MINOR

FDE202-1C: TEXTILE SCIENCE II (Th)

Credit 4 Contact Hour per week 4

Outilité di tile C	Jui sc.	•			
Course type		Theory			
Level of the cour	se	200-299 Intermediate-Level			
Purpose of Cours	se	Textile science encompasses a wide range of research, development, and application areas aimed at improving the functionality, performance, sustainability, and aesthetic appeal of textiles across various industries and everyday life.			
Course Objective		CO1. To un made fibers	derstand the industrial growth of to fabric.	of man-	
		CO2. To le	arn the properties of synthetic	fibers.	
		identification	quire knowledge of basic yarn	of fiber	
Minimum weeks		15 (Inclu	ding Class work, examin	nations,	
per Semester		preparation	, holidays, etc.)		
Last Review / Revision		April 2023			
Prerequisite		Elementary science	knowledge of Textiles in te	erms of	
Teaching Methodology			om Teaching, Discussion , Digital Learning, Demonstrat		
Evaluation Meth	od	(CCE)	inuous Comprehensive Eva ter End Examination (SEE)	luation	
Unit No.	Title of the	- Unit	% Weightageof Unit	Min	

Unit No.	Title of the Unit	% Weightageof Unit	Minimum Nos. of Hours
1	Introduction to man-made fiber	20%	10

2	¥7	25%	20
2	Yarn	25 %	20
3	Natural Fibers	35%	20
4	Fiber identification	20%	10
Unit No.	Title of the Unit	% Weightage of Unit	Minimum Nos. of Hours
1	Introduction to Man-Made Fibres • Fibre, Yarn, Fabric • Fibre properties	20%	10
2	SpinningMelt spinningDry spinningWet spinning	25%	20
3	 Man-made fibres Synthetic (Manufacturing processes, Properties, Application) Regenerated (Manufacturing processes, Properties, Application) 	35%	20
4	Fibre Properties and Identification	20%	10

REFERENCES

Core references:

- E.P.G. Gohl, L.D. Vilensky, *Textile Science*, Second Edition, CBS Publishers and Distributors
- Corbman, B. P. (1983) *Fibre to Fabric* step by step Weaving (6th Ed.) New York: McGraw Hill

Reference books:

- Suzanne G. Marshall, Hazel O. Jackson M. Sue Stanley, Mary Kefgen, Individuality in clothing Selection and Personal Appearance, 2000.
- PhullisTouchieSpecnt, New Jersey. 2 Kitty G. Dickerson, Inside the Fashion Business, 2003, Pearson Education, Singapore,.
- Kathryn Mokelvey, Janine Munslow, Fashion Design Process, Innovation and Practice, 2005, Black Well Science Ltd, U.K,.

- Jenny Davis, A Complete Guide to Fashion Designing, 2006, First Edition, Abhishek Publication.
- Christopher Breward, Fashion (Oxford History of Art) 1st Edition, Oxford University Press, USA, 2003.
- Clinton Kelly, Stacy London, Dress You're Best: The Complete Guide to Finding the Style
- That's Right for Your Body, Three River Press, 2005.

Webcontents:

- https://www.fitnyc.edu/museum/documents/elements-and-principles-of-fashion-design.pdf
- https://gcwgandhinagar.com/econtent/document/1587358837UNIT%203,4,5.pdf

COURSE OUTCOMES:

Upon successful completion of the course,

CO1.	
	Students will understand the concept of textiles.
CO2.	
	Students will gain knowledge of fiber types and identification of textile fibers
CO3.	
	Students will understand the basics of styling

COURSE OUTCOMES MAPPING

Unit No.	Title of the Unit	Course Outcomes		
		CO 1	CO 2	CO 3
1				
	Introduction to Man-made Fibers			
2				
	Yarn			
3				
	Natural Fibers			
4				
	Fibre Properties and identification			

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1						
CO2						
CO3						

Department of Fashion Designing FY B.VOC. Semester II

MULTI DISCIPLINARY COURSE MDC202-1C: FASHION STUDIES Credit 4 Contact Hour per week 4

Outline of the Cou			
Course type	Theory		
Level of the	200-299 Intermediate-Level		
course			
Purpose of	Understanding the elemental knowledge of fashion, including the		
Course	history, and industry, plays an integral part in creating the awareness and		
	relativity of the learner to the present fashion scenario.		
Course	CO1. To create an insight into the history of fashion from it's origin to		
Objective	its evolution through trends.		
	CO2. To learn about the concepts of menswear, womenswear, and		
	gender neutral clothing.		
	CO3. To understand the functioning of the fashion industry with the		
	present case scenario.		
Minimum	15 (Including Class work, examinations, preparation, holidays, etc.)		
weeks			
per Semester			
Last Review /	April 2023		
Revision			
Prerequisite	Elementary Knowledge of Communication.		
Teaching	Class Room Teaching, Discussion and Assignment, Digital Learning		
Methodology			
Evaluation	50% Continuous Comprehensive Evaluation (CCE)		
Method	50% Semester End Examination (SEE)		

Unit	Title of the Unit	% Weightage of	Minimum Nos. of
No.		Unit	Hours
1	Fashion History	25%	15
2	Elements of Fashion	25%	15
3	Fashion Industry	25%	15
4	Group Presentation and viva	25%	15

Course Content:

Units	Particulars	%	Minimum
		Weightage	Nos. of
		of Unit	Hours
1		30	20
	 Fashion History Introduction to history of fashion, sources of information Factors affecting clothing – protection, ritualistic, identification, adornment Origin and development of costume – Draped costume(Indian, Sumerian, Babylonian, Assyrian, Egyptian, Greek and Roman) Industrial Revolution – mechanical inventions, influence on India Evolution of 20th century Indian fashion. Films and fashion 		
2		20	10
2	 Elements of Fashion Understanding Fashion - definition and overview Menswear and Womenswear Gender-neutral clothing 	20	10
3	dian and Global Fashion	20	10
	BrandsDesignersFashion shows		
4	Group Presentation and viva	30	20

REFERENCES

Core references:

- Evans, C., & Thornton, M. (Eds.). (2020). Key Concepts for the Fashion Industry. Bloomsbury Academic.
- Kawamura, Y. (2017). Fashion-ology: An Introduction to Fashion Studies (3rd ed.). Bloomsbury Academic.

Reference books:

- Barnard, M. (2014). Fashion Theory: A Reader (2nd ed.). Routledge.
- Breward, C. (2013). The Culture of Fashion: A New History of Fashionable Dress (2nd ed.). Manchester University Press.
- Entwistle, J. (2015). The Fashioned Body: Fashion, Dress and Modern Social Theory (2nd ed.). Polity Press.
- Steele, V. (Ed.). (2010). The Berg Companion to Fashion. Berg.
- Steele, V. (2010). The Berg Companion to Fashion. Bloomsbury Academic.
- Kawamura, Y. (2005). Fashion-ology: An Introduction to Fashion Studies. Berg Publishers.
- Barnard, M. (2014). Fashion Theory: A Reader. Routledge.

- Breward, C. (2013). The Culture of Fashion: A New History of Fashionable Dress.
 Manchester University Press.
- Entwistle, J. (2015). The Fashioned Body: Fashion, Dress, and Modern Social Theory. Polity.
- Kaiser, S. B. (2012). Fashion and Cultural Studies. Berg.

COURSE OUTCOMES:

Upon successful completion of the course,

- 1	1 · · · · · · · · · · · · · · · · · · ·					
CO1. CO1. To create an insight into the history of fashion from it's origin to its evoluti						
	through trends.					
CO2.	CO2. To learn about the concepts of menswear, womenswear, and gender neutral					
	clothing.					
CO3.	CO3. To understand the functioning of the fashion industry with the present case					
	scenario.					

COURSE OUTCOMES MAPPING

Unit No.	Title of the Unit	Course Outcomes			
		CO 1	CO 2	CO 3	
1	Fashion History				
2	Elements of Fashion				
3	Indian and Global fashion				
4	Group presentation and viva				

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1						
CO2						
CO3						

Department of Fashion Designing FY B.VOC. Semester II

ABILITY ENHANCEMENT COURSE AEC202-1C: FUNCTIONAL ENGLISH-II

Credit 2 Contact Hour per week 2

Outline of the Course

(a)	TO I
Course type	Theory
Level of the Course	200-299 Intermediate-level
Course Category	Ability Enhancement Course (AEC)
Purpose of Course	To equip individuals with the necessary language skills and confidence to communicate effectively in English, enabling them to succeed academically, professionally, and in various social settings
Course Objective	CO 1. Utilize their knowledge of functional English effectively for communicative purposes. CO 2. Learn language in authentic contexts. CO 3. Use English efficiently for routine. CO 4. Sharpen Writing and Speaking skills for better expression by providing authentic resources. Make students understand how the development of these skills will lead to their holistic development.
Minimum weeks per Semester	15 (Including Class work, examination, preparation, holidays etc.)
Last Review / Revision	April 2023
Pre-requisite	Elementary knowledge of English Language.
Teaching Methodology	Class Room Teaching, Discussion and Assignment
Evaluation Method	50% Continuous Comprehensive Evaluation (CCE)- Formative 50% Semester End Examination (SEE)

Course Content

Unit No.	Title of the Unit	% Weightage of Unit	Minimum Nos. of Hours
1	 Foundational Grammar (Practical) The concept of mood in English grammar (indicative, imperative, subjunctive) Time and tense relationships in complex sentences Active and passive voice and their functions Information structure (focus, topic, 	34	10
2	Introduction to Productive Skills Concept and Characteristics of Speaking Qualities of a Good Public Speaker Introduction to the Writing Skills Concept and Characteristics of Writing	33	10
3	 Productive Skills (Practical) Speaking in Public/ Group Discussion/ Debate Dialogue Writing/ Speech Writing for various occasions Paragraph/ Essay/ Report Writing 		10

REFERENCES:

- "An Introduction to Functional Grammar" by M. A. K. Halliday and Christian M. I. M. Matthiessen
- "Functional English Grammar: An Introduction for Second Language Teachers" by Michael A. K. Halliday and Ruqaiya Hasan
- Gupta, S.C. English Grammar & Composition. Arihant Publication. 2022.
- Mitra, Barun K. Personality Development and Soft Skills. Oxford University Press, 2015.
- Urmila Rai and S.M. Rai. Business Communication. 1st Edition, Mumbai: Himalaya Publishing House.

- Krishna Mohan and Meera Banerji. Developing Communication Skills. New Delhi: Macmillan India Private Ltd.
- Wren and Martin. English Grammar. MB publication, 2022.
- Ur, Penny. Teaching Listening Comprehension. Cambridge University Press
- Teaching Listening and Speaking: From Theory to Practice https://www.professorjackrichards.com/wp-content/uploads/teaching-listening-and-speaking-from-theory-to-practice.pdf

COURSE OUTCOMES

Upon successful completion of the course, students will be able to:

CO 1	Enable themselves to express ideas clearly and accurately with writing and speaking skills.
CO 2	Gain confidence in an academic and professional context.
CO 3	Analyze and improve pronunciation. Prepare themselves better for placements and beyond.

COURSE OUTCOMES MAPPING

Unit No.	Unit Name	Course Outcomes		
		CO1	CO2	CO3
1	Foundational Grammar (Practical)			
2	Introduction to Productive Skills			
3	Productive Skills (Practical)			

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1							
CO2							
СОЗ							

Department of Fashion Designing FY B.VOC. Semester II

SKILL ENHANCEMENT COURSE (SEC) SEC202-1C: COMPUTER APPLICATION

Credit 2 Contact Hour per week 4

Outline of the Course:

Course type	Theory		
Level of the	200-299 Intermediate-level		
Course			
Purpose of	Computer applications help users perform specific tasks such as writing		
Course	presentations through different apps and softwares. These tasks can be		
	related to productivity, communication, or creativity.		
Course			
Objective	CO1 To provide basic knowledge of the computers and internet.		
	CO2 To make students acquainted with the softwares and required for		
	the study and communications.		
Minimum	15 (Including Class work, examinations, preparation, holidays, etc.)		
weeks			
per Semester			
Last Review /	December 2023		
Revision			
Pre-requisite	Elementary knowledge of Fashion.		
Teaching	Class Room Teaching, Discussion and Assignment, Demonstration, Self		
Methodology	Learning		
Evaluation	50% Continuous Comprehensive Evaluation (CCE)		
Method	50% Semester End Examination (SEE)		

Unit No.	Title of the Unit	% Weightage of Unit	Minimum Nos. of Hours
1	Introduction to Computer	60%	20
2	Computer softwares	40%	40

Course Content:

Units	Particulars	% Weightage of	Minimum Nos. of
		Unit	Hours

1	 Introduction to Computer The internet Input and Output devices Anti-virus, Firewall 	40 %	20
2	 Computer softwares Paint Microsoft word Microsoft Powerpoint Microsoft Excel AI Tools 	60%	40

REFERENCE

Core references:

- Shelly, G. B., Vermaat, M., & Quasney, J. J. (2018). Discovering Computers & Microsoft Office 365 & Office 2016: A Fundamental Combined Approach. Cengage Learning.
- Parsons, J. J., & Oja, D. (2018). New Perspectives on Computer Concepts 2018: Comprehensive. Cengage Learning.

Reference books:

- Morley, D., & Parker, C. S. (2019). Understanding Computers: Today and Tomorrow: Comprehensive. Cengage Learning.
- Williams, B. K., & Sawyer, S. C. (2018). Using Information Technology: A Practical Introduction to Computers & Communications. McGraw-Hill Education.

COURSE OUTCOMES:

Upon successful completion of the course,

CO1.	
	CO1 To provide basic knowledge of the computers and the internet.
CO2.	
	CO2 To make students acquainted with the software required for the study and
	communications.

COURSE OUTCOMES MAPPING

Unit No.	Title of the Unit	Course Outcomes				
		CO 1	CO 2	CO3		
1	Introduction to Computer					
2	Computer software					

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1						
CO2						
CO3						

Department of Fashion Designing FY B.VOC. Semester II

VALUE ADDED COURSE (VAC) VAC201-1C: ENVIRONMENT STUDIES

Credit 2 Contact Hour per week 2

Course type	Theory
Level of the	200-299 Intermediate-level
Course	
Purpose of Course	The students need to learn basic concepts of environment. How environment impact our life on earth and which activities are harmful to our environment and how we can contribute to wellbeing of our earth and environment.
Course Objective	 CO 1. To develop the understanding basics concept of our environment and its sustainable development. CO 2. Demonstrate knowledge and understanding different component of environment. CO 3. Demonstrate knowledge and understanding of the ecosystem and its functioning and impact on survival of organism on earth. CO 4. To develop the ability to think critically about sustainable development of our earth environment.
Minimum weeks per Semester	15 (Including Class work, examination, preparation, holidays etc.)
Last Review / Revision	April 2023
Pre-requisite	-
Teaching Methodology	Class Room Teaching, Discussion and Assignment
Evaluation Method	50% Comprehensive Continuous Evaluation (CCE) 50% Semester End Examination (SEE)

Units	Particulars	% Weightage of Unit
1	 Definition and multidisciplinary nature of environmental studies. Concept and Components of environment (Atmosphere, Lithosphere and Hydrosphere) Bio-geochemical cycles Concept, structure and function of an ecosystem. Food chains, food webs and Energy flow in an ecosystem Terrestrial ecosystem: Forest ecosystem and Grassland ecosystem Aquatic ecosystems: Pond and ocean ecosystem 	25
2	 Natural Resources: Renewable and Non-renewable Resources Land as a resource, soil erosion and land degradation, landslides, and desertification Forests: Use and over-exploitation, deforestation, Impacts of deforestation on biodiversity and tribal populations. Energy resources: Renewable and non-renewable energy sources, use of alternate energy sources, growing energy needs. 	25

3	 Biodiversity and its Conservation Introduction — Definition, ecosystem diversity, Value of biodiversity. India as a mega-biodiversity nation; Threats to biodiversity: Habitat loss, poaching of wildlife, man- wildlife conflicts. Endangered and endemic species of India. Common plant and animal species. Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity 	25	7
4	Environmental pollution Definition Causes, effects and control measures of: • Air pollution • Water pollution • Soil pollution • Marine • Noise pollution • Thermal pollution • Nuclear hazards	25	7

List of References & Text Books:

- Bharucha, E. (2013). Textbook of Environmental Studies for Undergraduate Courses. Universities Press.
- Asthana, D. K. (2006). Text Book of Environmental Studies. S. Chand Publishing.
- Basu, M., Xavier, S. (2016). Fundamentals of Environmental Studies, Cambridge University Press, India
- Singh, J.S., Singh, S.P. & Gupta, S.R. 2006. Ecology, Environment and Resource Conservation. Anamaya Publications.Sodhi, N.S. & Ehrlich, P.R. (Eds). 2010. Conservation Biology for All. Oxford University Press.
- Tiwari, G.N. & Ghosal. M. K. 2005. Renewable Energy Resources: Basic Principles and Application. Narosa Publishing House.
- R. K. Khitoliya., 2012. Environmental Pollution 2nd edition. S. Chand Publishing
- Pepper, I.L., Gerba, C.P. & Brusseau, M.L. 2006. Environmental and Pollution Science. Elsevier Academic Press.
- Purohit, S.S. & Ranjan, R. 2007. Ecology, Environment & Pollution. Agrobios Publications.

COURSE OUTCOMES:

CO 1.	Students will gain knowledge about Earth structure and its environment and ecology and biodiversity and its role in human welfare and its conservation
CO 2.	Students will develop the understanding about various natural resources and their management.
CO 3.	Students will be able to critically examine all sides of environmental issues and apply understanding from various disciplines such as psychology, law, literature, politics, sociology, philosophy, and religion to create opinions about how to interact with the environment on both a personal and a social level.
CO 4.	Students will understand the global character of environmental problems and ways of addressing them, including interactions across local to global scales.

Upon successful completion of the course,

COURSE OUTCOMES MAPPING

Unit No.	Title of the Unit	Course Outcomes			
		CO 1	CO 2	CO 3	CO 4
1	Introduction of Environment				
2	Natural Resources: Renewable and Non-renewable Resources				
3	Biodiversity and Conservation				
4	Environmental pollution				