

KURUKSHETRA UNIVERSITY
KURUKSHETRA



Scheme of Examinations and Syllabus for
Under-Graduate Programme

Bachelor of Vocation in Interior Designing
Interdisciplinary Scheme - D

Under Multiple Entry-Exit, Internship and
CBCS-LOCF in accordance to NEP-2020

w.e.f. 2023-24 (in phased manner)

Department of Home Science

KURUKSHETRA UNIVERSITY, KURUKSHETRA

**Scheme of Examinations for Under-Graduate Programme
Under multiple Entry-Exit, Internship & CBCS-LOCF-CCF in accordance to NEP 2020 w.e.f. 2023-24 (in phased manner)**

Bachelor of Vocation in Interior Designing

SEMESTER 1								
Course	Paper (s)	Nomenclature of Paper (s)	Credits	Hours/Week	Internal Marks	External Marks	Total Marks	Exam Duration
CC-A1 @ 4 Credit	B23-VID-101	Introduction to Art and Design	3	3	20	50	70	3 Hrs
		Introduction to Art and Design - Practical	1	2	10	20	30	4 Hrs
CC-B1 @ 4 Credit	B23-VID-102	Design Drawings and Graphics -1	3	3	20	50	70	3 Hrs
		Design Drawings and Graphics -1 - Practical	1	2	10	20	30	4 Hrs
CC-C1 @ 4 Credit	B23-VID-103	History of Interior Design	3	3	20	50	70	3 Hrs
		History of Interior Design- Practical	1	2	10	20	30	4 Hrs
CC-M1 @ 2 Credit	B23-VID-104	Photographic Techniques	1	1	10	20	30	3 Hrs
		Photographic Techniques - Practical	1	2	5	15	20	4 Hrs
MDC-1 @ 3 Credit	From the course offered by D/C/1							
AEC-1 @ 2 Credit	From available AEC-1 pool list of two credit as per NEP							
SEC-1 @ 3 Credit	From Available SEC-1 pool list of two credit as per NEP							
VAC-1 @ 2 Credit	From Available VAC-1 pool list of two credit as per NEP							

SEMESTER 2								
Course	Paper (s)	Nomenclature of Paper (s)	Credits	Hours/Week	Internal Marks	External Marks	Total Marks	Exam Duration
CC-A2 @ 4 Credit	B23-VID-201	Introduction to Building Materials and Fundamentals of Structure- I	3	3	20	50	70	3 Hrs
		Introduction to Building Materials and Fundamentals of Structure- I- Practical	1	2	10	20	30	4 Hrs
CC-B2 @ 4 Credit	B23-VID-202	Design Drawings and Graphics -II	3	3	20	50	70	3 Hrs
		Design Drawings and Graphics -II - Practical	1	2	10	20	30	4 Hrs
CC-C2 @ 4 Credit	B23-VID-203	Space Planning	3	3	20	50	70	3 Hrs
		Space Planning- Practical	1	2	10	20	30	4 Hrs
CC-M2 @ 2 Credit	B23-VID-204	Model Making Workshop-	1	1	10	20	30	3 Hrs
		Model Making Workshop- Practical	1	2	5	15	20	4 Hrs
MDC-2 @ 3 Credits	From the course offered by D/C/I							
AEC- 2 @ 2 Credits	From Available AEC – 2 pool list of two credits as per NEP							
SEC- 2 @ 3 Credits	From Available SEC – 2 pool list of two credits as per NEP							
VAC- 2 @ 2 Credits	From Available VAC – 2 pool list of two credits as per NEP							

SEMESTER 3

Course	Paper(s)	Nomenclature of Paper (s)	Credits	Hours/Week	Internal Marks	External Marks	Total Marks	Exam Duration
CC-A3 @ 4 Credit	B23-VID-301	Introduction to Building Materials and Fundamentals of Structure- II	3	3	20	50	70	3 Hrs
		Introduction to Building Materials and Fundamentals of Structure- II- Practical	1	2	10	20	30	4 Hrs
CC-B3 @ 4 Credit	B23-VID-302	Interior Design Studio and Psychology of Space	3	3	20	50	70	3 Hrs
		Interior Design Studio and Psychology of Space- Practical	1	2	10	20	30	4 Hrs
CC-C3 @ 4 Credits	B23-VID-303	Environmental Control in Interiors	3	3	20	50	70	3 Hrs
		Environmental Control in Interiors- Practical	1	2	10	20	30	4 Hrs
CC-M3 @4 Credit	B23-VID-304	Economics for Business Decisions	3	3	20	50	70	3 Hrs
		Economics for Business Decisions Practical	1	2	10	20	30	4 Hrs
MDC-3 @ 3 Credits	From the course offered by D/C/I							
AEC-3 @ 2 Credits	From Available AEC – 3 pool list of two credits as per NEP							
SEC-3 @ Credits	From Available AEC – 3 pool list of two credits as per NEP							

SEMESTER 4								
Course	Paper(s)	Nomenclature of Paper (s)	Credits	Hours/ Weeks	Internal Marks	External Marks	Total Marks	Exam Duration
CC-A4 @ 4 Credit	B23-VID-401	Introduction to Building Materials and Fundamentals of Structure- III	3	3	20	50	70	3 Hrs
		Introduction to Building Materials and Fundamentals of Structure- III- Practical	1	2	10	20	30	4 Hrs
CC-B4 @ 4 Credit	B23-VID-402	Traditional and Contemporary Interior Designs	3	3	20	50	70	3 Hrs
		Traditional and Contemporary Interior Designs- Practical	1	2	10	20	30	4 Hrs
CC-C4 @ 4 Credit	B23-VID-403	Green Building Technology & Practices	3	3	20	50	70	3 Hrs
		Green Building Technology & Practices- Practical	1	2	10	20	30	4 Hrs
CC-M4 (V) @ 4 Credits	From Available CC-M4(V) of two credits as per NEP							
AEC-4 @ 2 Credits	From Available AEC-4 pool list of two credits as per NEP							
VAC-3 @ 2 Credit	From Available VAC-3 pool list of two credits as per NEP							
Internship of 4 credits of 4-6 weeks duration after 4th Sem (If not done in 2nd sem)								

SEMESTER 5

Course	Paper(s)	Nomenclature of Paper (s)	Credits	Hours/Week	Internal Marks	External Marks	Total Marks	Exam Duration
CC-A5 @4 Credit	B23-VID-501	Landscape in Interiors	3	3	20	50	70	3 Hrs
		Landscape in Interiors-Practical	1	2	10	20	30	4 Hrs
CC-B5 @ 4 Credit	B23-VID-502	Working Drawings and Interior Design Studio-I	3	3	20	50	70	3 Hrs
		Working Drawings and Interior Design Studio-I-Practical	1	2	10	20	30	4 Hrs
CC-C5 @ 4 Credit	B23-VID-503	Services in Interiors	3	3	20	50	70	3 Hrs
		Services in Interiors - Practical	1	2	10	20	30	4 Hrs
CC-M5 (V) @4 Credit	From Available CC-M5(V) pool list of two credits as per NEP							
Skill Enhancement Course	Internship # 4 Credits							
<p align="center"># Four credits of internship, earned by a student during summer internship after 2nd semester or 4th semester, will be taken into account in 5th semester of the students who pursue 3 year UG Programme without taking exit option.</p>								

SEMESTER-6

Course	Paper(s)	Nomenclature of Paper (s)	Credits	Hours/Week	Internal Marks	External Marks	Total Marks	Exam Duration
CC-A6 @4 Credit	B23-VID-601	Project Management & Estimation	3	3	20	50	70	3 Hrs
		Project Management & Estimation-Practical	1	2	10	20	30	4 Hrs
CC-B6 @ 4 Credit	B23-VID-602	Working Drawings and Interior Design Studio -II	3	3	20	50	70	3 Hrs
		Working Drawings and Interior Design Studio-II-Practical	1	2	10	20	30	4 Hrs
CC-C6 @ 4 Credit	B23-VID-603	Graphics & Signage	3	3	20	50	70	3 Hrs
		Graphics & Signage- Practical	1	2	10	20	30	4 Hrs
CC-M6 @4 Credit	B23-VID-604	Advanced Computer Applications	3	3	20	50	70	3 Hrs
		Advanced Computer Applications - Practical	1	2	10	20	30	4 Hrs
CC-M7(V) @4 Credit	From Available CC-M7(V) pool list of two credits as per NEP							

Session: 2023-24			
Part A - Introduction			
Subject	Bachelor of Vocation in Interior Designing		
Semester	I		
Name of the Course	Introduction to Art and Design		
Course Code	B23-VID-101		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-1		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	Senior Secondary (10+2)		
Course Learning Outcomes(CLOs):	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. To analyze various art forms and understand their application in interiors. 2. To understand the relation between art and design. 3. To understand the elements and principles of design and their applications in creating beautiful interiors. 4. To analyze the influences of social and cultural aspects on interior design. <hr/> <p>5*. To impart practical knowledge of composition in different materials</p>		
Credits	Theory	Practical	Total
	3	1	4
Contact Hours	3	2	5
Max. Marks:100 Internal Assessment Marks:20(T)+10(P)=30 End Term Exam Marks:50(T)+20(P)=70		Time:3hrs (T) 4hrs(P)	

Part B- Contents of the Course

Instructions for Paper- Setter: The examiner will set nine questions in all, selecting two questions from each unit and one compulsory objective type question.

Instructions for the Candidate: The candidates will attempt five questions in all, selecting atleast one question from each unit as well as compulsory questions.

Unit	Topics	Contact Hours
I	<ul style="list-style-type: none"> • Meaning and significance of art , factors affecting art forms (Geography, community, materials, individuality and appearance), developing skills for appreciation of art, evaluation of art objects – basic guidelines in evaluating art objects. • Development of Art: from pre historic times to present times: changing nature of art through time in terms of content, form and material. 	10
II	<ul style="list-style-type: none"> • Exploration of Art Forms – Study of traditional and contemporary art forms – painting, sculpture, architecture, decorative arts, design arts, digital art. • Relationship between art and design from earliest time. 	11
III	<ul style="list-style-type: none"> • Design –Definition, purpose, types- universal designs, accessible designs, design disabled. • Elements of Design - Line and direction, form and shape, size, color, light, pattern, texture and space - application of elements to form designs. • Principles of Design –Balance, rhythm, emphasis, harmony, proportion - meaning and application of design concepts in the interior and exterior houses and other commercial buildings. 	11
IV	<ul style="list-style-type: none"> • .Various Elements of Society – Modernization and change in society, Role of communication media in change patterns. Behavior patterns and its correlation to design elements. • General understanding of interior design and integration with architecture. Role of Interior Designer in a building project. The changing role of Interior Designer, his/her relation with other consultants, contractors and client, technical knowledge and other skills 	10

	<p>required as inputs. Career options in Interior Design.</p> <ul style="list-style-type: none"> • Various subjects to be learnt by Interior Design students and their relevance to practice. 	
V*	<ul style="list-style-type: none"> • Practice making 2 dimensional compositions on paper using different mediums and physical models using different materials. • Application of elements/principles of art in the color scheme. • Explain qualities of good visual designs through photographs, artworks etc. • Apply design concepts in developing greeting cards/ table borders /floor decorations/ carpets. • Develop a motif suitable for window grill/ foot mat/ table mat / furnishing materials. 	28
Suggested Evaluation Methods		
<p>Internal Assessment:</p> <ul style="list-style-type: none"> ➤ Theory <ul style="list-style-type: none"> • Class Participation: 05 • Seminar/presentation/assignment/quiz/class test etc.:05 • Mid-Term Exam: 10 ➤ Practicum <ul style="list-style-type: none"> • Class Participation: 00 • Seminar/Demonstration/Viva-voce/Lab records etc.:10 • Mid-Term Exam: NA 		<p>End Term Examination:</p> <p>50</p> <p>20</p>
Part C-Learning Resources		
<p>Recommended Books/e-resources/LMS:</p> <ul style="list-style-type: none"> • Alan Barnard & Jonathan Spencer-Encyclopedia of social and cultural anthropology, Taylor & Francis, 1996 • Arnold Friedmann , Forrest Wilson, John F. Pile- Interior Design, Elsevier Publishing Company, 3rd edition, 1982. • Charles. V. Stanford, Studies in Indian society, Culture and Religion, South Asia Books, 1988. • Christine M. Piotrowski, Becoming an Interior Designer, John Wiley and Sons, 2003. • Clifford Geertz, The Interpretation of Cultures, Basic Books, 1977. • Fisher E. Robert. Buddhist Art and Architecture. Thames and Hudson, London. 1993. • Ghosh. A Jain(Ed). Art and Architecture Vol 1-3. Bharatiya Jnanpith. New Delhi. • Henry Wilson, India: Decoration, Interiors, Design, Watson Guptill, First American Edition, 2001 • Kumar Raj (Ed) Essays on Indian Art and Architecture. Discovery pub., New Delhi, 2003 • Michael Freeman, India: Modern Art, Periplus Editions, 2005 		

- **Nigel Rapport**, Social and Cultural Anthropology: The Key Concepts, Routledge, 2000
- **Philip Carl Salzman**, Understanding Culture: An Introduction to Anthropological Theory, Waveland press, 2001.

*Applicable for courses having practical component.

Session: 2023-24			
Part A - Introduction			
Subject	Bachelor of Vocation in Interior Designing		
Semester	I		
Name of the Course	2D Drawings and Graphics-I		
Course Code	B23-VID-102		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-2		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	Senior Secondary (10+2)		
Course Learning Outcomes(CLOs):	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. To help the students to prepare drawings by using drafting tools and accessories. 2. To help students to understand scaling by reducing and enlarging the scale. 3. To enable the students to comprehend and visualize geometric forms, scale & proportions. 4. To understand the different material used in interior decoration. <hr style="width: 20%; margin-left: 0;"/> <p>5*. To impart practical knowledge of plan, section & elevation.</p>		
Credits	Theory	Practical	Total
	3	1	4
Contact Hours	3	2	5
Max. Marks:100		Time:3hrs (T) 4hrs(P)	
Internal Assessment Marks:20(T)+10(P)=30			
End Term Exam Marks:50(T)+20(P)=70			
Part B- Contents of the Course			

Instructions for Paper- Setter: The examiner will set nine questions in all, selecting two questions from each unit and one compulsory objective type question.

Instructions for the Candidate: The candidates will attempt five questions in all, selecting at least one question from each unit as well as compulsory questions.

Unit	Topics	Contact Hours
I	<ul style="list-style-type: none"> • Introduction to drawing equipments, familiarization, use and handling. • Introduction to pencil exercises – Knowledge about usage of different points of pencils, handling of pencils, practicing lines and tone building exercises; object drawings – natural geometric forms with emphasis on depth and dimension, detail & texture, sunlight & shadow. • Drawing –Point and line, line types, line weights, straight and curvilinear lines, dimensioning, borders, title panels, tracing in pencil, ink, use of tracing cloth, free hand lettering and scaled lettering. 	9
II	<ul style="list-style-type: none"> • Architectural symbols, terminology and abbreviations used in architectural presentation. • Architectural representation of landscape elements such as trees, indoor plants, planters, hedges, foliage, human figures in different postures, vehicles, street furniture etc. by using different media and techniques and their integration to presentation drawings. 	11
III	<ul style="list-style-type: none"> • Measuring and Drawing to Scale – Understanding Scale –Metric and foot and inch, scales and construction of scales, simple objects, furniture, rooms, doors and windows etc. in plan , elevation and section etc., reduction and enlargement of drawings. • Interiors and Furniture Sketching – Interior still life, perspectives, lighting & composition, textures and details, material expressions, individual pieces of furniture, elevations & plans etc using different media. 	11
IV	<ul style="list-style-type: none"> • . Building Geometry – Study of points, lines and planes leading to simple and complex solid geometrical forms. Orthographic projections of points, lines, first angle projections of planes and solVID, sections of 	9

	solVID, development of surfaces of solVID and intersections of solVID. Use of geometry in buildings - isometric, axonometric, and oblique views; drawing geometrical forms with measurements.	
V*	<ul style="list-style-type: none"> • Drawing of simple plan, elevation and sections. • Making of plans of any one of the following: <ul style="list-style-type: none"> ✓ Bed room ✓ Drawing room ✓ Bath room ✓ Kitchen • Drafting of furniture objects with projections. 	30
Suggested Evaluation Methods		
Internal Assessment: <ul style="list-style-type: none"> > Theory <ul style="list-style-type: none"> • Class Participation: 05 • Seminar/presentation/assignment/quiz/class test etc.:05 • Mid-Term Exam: 10 > Practicum <ul style="list-style-type: none"> • Class Participation: 00 • Seminar/Demonstration/Viva-voce/Lab records etc.:10 • Mid-Term Exam: NA 		End Term Examination: 50 20
Part C-Learning Resources		
Recommended Books/e-resources/LMS: <ul style="list-style-type: none"> • Bhatt, N.D. and Panchal V.M.Engineering Drawing: Plane and Solid Geometry, 42nd ed. Charotar Pub., Anand, 2000. • Bies, D.John. Architectural Drafting: Structure and Environment Bobbs – Merrill Educational Pub., Indianapolis. • Francis D.Ching, Design Drawing, Wiley publishers. • Francis D. Ching – Architectural Graphics , Wiley publishers, 2002. • Gill, P.S. - Geometrical Drawing, 3rd ed. Dewan Suhil Kumar kataria, Ludhiana, 1986. • Ivo.D. Drpic, Sketching and Rendering of Interior Space, Watson- Guptill, 1988. • Maureen, Mitton- Interior Design Visual Presentation: A Guide to Graphics, Models and Presentation Techniques, 3rd edition, Wiley Publishers, 2007 • Mogali Delgade ,Yanes and Ernest Redondo Dominquez, Freehand drawing for Architects and Interior Designers, 2005 . • Moris, I.H-Geometrical Drawing for Art Students. • Nelson, A. John. H.B- Architectural and Civil Drafting, Van Nostrand Reinhold, New York, 1983. 		

- **Nichols, T.B.** and Keep, Norman. Geometry of Construction, 3rd ed. Cleaver – Hume Press Ltd., London, 1959.
- **Shah, M.G., Kale, C.M. and Patki, S.Y.** Building Drawing: with an integrated approach to built environment, 7th ed. Tata Mc Graw Hill Pub., Delhi, 2000.
- **Stephen Kliment**, Architectural Sketching and Rendering: Techniques for Designers and Artists, Watson Guptill, 1984.
- **Thoms, E.French.** Graphics Science and Design, New York: MC Graw Hill.
- **Philip Carl Salzman**, Understanding Culture: An Introduction to Anthropological Theory, Waveland press, 2001.

*Applicable for courses having practical component.

Session: 2023-24			
Part A - Introduction			
Subject	Bachelor of Vocation in Interior Designing		
Semester	I		
Name of the Course	History of Interior Design		
Course Code	B23-VID-103		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-3		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	Senior Secondary (10+2)		
Course Learning Outcomes(CLOs):	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. To understand the effect of design movements and various schools of thought on interior environment. 2. To understand the life styles & craft items from the European point of view. 3. To understand the historical progression of art and architecture in India and its application to formulate themes and concepts for contemporary designs. 4. To understand the different materials used in historic times. <hr/> <p>5*. To impart the practical knowledge of historical monuments and material used in historic times.</p>		
Credits	Theory	Practical	Total
	3	1	4
Contact Hours	3	2	5
Max. Marks:100		Time:3hrs (T)	
Internal Assessment Marks:20(T)+10(P)=30		4hrs(P)	

End Term Exam Marks:50(T)+20(P)=70		
Part B- Contents of the Course		
<p><u>Instructions for Paper- Setter:</u>The examiner will set nine questions in all, selecting two questions from each unit and one compulsory objective type question.</p> <p><u>Instructions for the Candidate:</u> The candidates will attempt five questions in all, selecting at least one question from each unit as well as compulsory questions.</p>		
Unit	Topics	Contact Hours
I	<ul style="list-style-type: none"> • Elements of style and determinants of Interior environment in Egypt, Chinese, Japan, Greece, Rome and Europe in Early Christian. 	10
II	<ul style="list-style-type: none"> • An overview of Victorian, Elizabethan, Cubism, Romanticism arts and crafts etc. 	10
III	<ul style="list-style-type: none"> • Forces of industrialization in Europe, changes in social structure, production systems, changes in technology and its impact on the life styles, arts and crafts and interior environments. 	10
IV	<ul style="list-style-type: none"> • Elements of style, interior environment, furniture etc. in Jammu and Kashmir, Southern India, Gujarat, Rajasthan, states of North eastern India, Maharashtra, Orissa etc. • History of Modern Movement in Interior Design and Architecture – Developments of modern movements – various fields of design affecting interior ambiances directly – international modernism, regionalism and concerns with vernacular etc. • Designers and their works with respect to interior architecture and interior elements of design. Contemporary expressions of styles and art forms. 	10
V*	<ul style="list-style-type: none"> • Visit to any two Historical Buildings and making a report regarding determinants of interior environments, art & crafts items used, furniture& Color Scheme • Collection of Material samples used in ancient times such as POP, Marble, Wood etc. 	30
Suggested Evaluation Methods		

Internal Assessment: <ul style="list-style-type: none"> ➤ Theory <ul style="list-style-type: none"> ● Class Participation: 05 ● Seminar/presentation/assignment/quiz/class test etc.:05 ● Mid-Term Exam: 10 ➤ Practicum <ul style="list-style-type: none"> ● Class Participation: 00 ● Seminar/Demonstration/Viva-voce/Lab records etc.:10 ● Mid-Term Exam: NA 	End Term Examination: 50 20
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Part C-Learning Resources

Recommended Books/e-resources/LMS:

- **Elaine, Michael Dywer, Christopher Mackinnon, Norman A. J. Berisford Denby-** A History of Interior Design, Rhodoc International, 1983.
- **Giedion Sigfried-** Space, Time and Architecture: The Growth of a New Tradition, 4th ed. Harvard University Press, Cambridge, 1962.
- **John F. Pile-** A History of Interior Design, 2nd edition, Laurence King Publishing, 2005.
- **Jeannie Ireland-** History of Interior Design, Air Child Publications, ed., 2009.
- **Rowl Benjamin-** Art and Architecture of India.
- **Tadgell Cristopher-** The History of Architecture in India: From the Dawn of Civilization to the End of the Raj , Om Book Service, New Delhi, 1990.
- **Maureen, Mitton-** Interior Design Visual Presentation: A Guide to Graphics, Models and Presentation Techniques, 3rd edition, Wiley Publishers, 2007
- **Mogali Delgade ,Yanes and Ernest Redondo Dominquez,** Freehand drawing for Architects and Interior Designers, 2005 .
- **Moris, I.H-**Geometrical Drawing for Art Students.
- **Nelson, A. John. H.B-** Architectural and Civil Drafting, Van Nostrand Reinhold, New York, 1983.
- **Nichols, T.B. and Keep, Norman.** Geometry of Construction, 3rd ed. Cleaver – Hume Press Ltd., London, 1959.
- **Shah, M.G., Kale, C.M. and Patki, S.Y.** Building Drawing: with an integrated approach to built environment, 7th ed. Tata Mc Graw Hill Pub., Delhi, 2000.
- **Stephen Kliment,** Architectural Sketching and Rendering: Techniques for Designers and Artists, Watson Guptill, 1984.
- **Thoms, E.French.** Graphics Science and Design, New York: MC Graw Hill.
- **Philip Carl Salzman,** Understanding Culture: An Introduction to Anthropological Theory, Waveland press, 2001.

*Applicable for courses having practical component.

Session: 2023-24			
Part A - Introduction			
Subject	Bachelor of Vocation in Interior Designing		
Semester	I		
Name of the Course	Photographic Techniques		
Course Code	B23-VID-104 B23-TFD-104		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-M1		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	Senior Secondary (10+2)		
Course Learning Outcomes(CLOs):	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. To help students to acquire knowledge of the process, uses, principles and advantages of digital photography. 2. Visualize the concept of digital platform and various methods of image capture. 3. To develop the method of basic image editing techniques. 4. Introduce various methods of post-production and retouching techniques. <p style="text-align: center;">_____</p> <p>5* To impart knowledge to the students about the concept of digital output and producing the final product</p>		
Credits	Theory	Practical	Total
	1	1	2
Contact Hours	1	2	3
Max. Marks:50		Time:3hrs (T)	
Internal Assessment Marks:10(T)+5(P)=15		4hrs(P)	

End Term Exam Marks:20(T)+15(P)=35

Part B- Contents of the Course

Instructions for Paper- Setter: The examiner will set nine questions in all, selecting two questions from each unit and one compulsory objective type question.

Instructions for the Candidate: The candidates will attempt five questions in all, selecting at least one question from each unit as well as compulsory questions.

Unit	Topics	Contact Hours
I	<ul style="list-style-type: none"> • Introduction to Digital Photography :Understanding film and paper photography • Learning about the digital revolution • Advantages and disadvantages of digital photography over • Film photography :Computers as photographic tools • How photos are used today. 	7
II	<ul style="list-style-type: none"> • Digital basics • Digital image method of storing and processing digital • Image: raster and vector method • 2.2 representation of digital image: resolution – pixel depth • Pixel aspect ratio – dynamic colour range – file size • Colour models – image compression – file formats – • Calculating image resolution for outputs. 	6
III	<ul style="list-style-type: none"> • Digital Platform Hardware and System Software • Windows Operating System • Concept of Internet • Image transportation through floppy, CD, zip and Internet. 	8
IV	<ul style="list-style-type: none"> • Digital Capture :Digital Image formation – Image Sensors – Different • Capturing Method: Digital camera – Scanner – Frame Grabber • DIGITAL CAMERA: Understanding how digital cameras work – Digital camera types: Floppy Disc type, Flash Card type, Hard Disc type – Overview of current digital cameras. 	7
V*	<ul style="list-style-type: none"> • Make a file including different photos with different resolutions. • Make a file including different photos with colors models. 	28

Suggested Evaluation Methods	
<p>Internal Assessment:</p> <ul style="list-style-type: none"> ➤ Theory <ul style="list-style-type: none"> ● Class Participation: 04 ● Seminar/presentation/assignment/quiz/class test etc.:00 ● Mid-Term Exam: 06 ➤ Practicum <ul style="list-style-type: none"> ● Class Participation: ● Seminar/Demonstration/Viva-voce/Lab records etc.:05 ● Mid-Term Exam:NA 	<p>End Term Examination:</p> <p>20</p> <p>15</p>
Part C-Learning Resources	
<p>Recommended Books/e-resources/LMS:</p> <ul style="list-style-type: none"> ● Agfa An Introduction to Digital Photo Imaging Agfa, 1994 ● Agfa An Introduction to Digital Scanning Agfa, 1994 ● Lisa Da Nae Dayley, Brad Dayley ● Adobe Photoshop CS6 Bible Wiley India ● Kogent Learning Photoshop CS5 in Simple Steps Wiley India ● Dayley Photoshop CS5 Bible Wiley India 	

*Applicable for courses having practical component.

Session: 2023-24			
Part A - Introduction			
Subject	Bachelor of Vocation in Interior Designing		
Semester	II		
Name of the Course	Introduction to Building Materials and Fundamentals of Structure- I		
Course Code	B23-VID-201		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-1		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	Senior Secondary (10+2)		
Course Learning Outcomes(CLOs):	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. To impart knowledge on the various building materials, built elements & basic structural systems. 2. To help students to identify insulating materials. 3. To help students to identify various paints & varnishes. 4. To introduce students with various built elements. <hr style="width: 20%; margin-left: 0;"/> <p>5*.To impart knowledge about visual presentations.</p>		
Credits	Theory	Practical	Total
	3	1	4
Contact Hours	3	2	5
Max. Marks:100 Internal Assessment Marks:20(T)+10(P)=30 End Term Exam Marks:50(T)+20(P)=70		Time:3hrs (T) 4hrs(P)	
Part B- Contents of the Course			
<u>Instructions for Paper- Setter:</u> The examiner will set nine questions in all, selecting two questions from each			

unit and one compulsory objective type question.

Instructions for the Candidate: The candidates will attempt five questions in all, selecting atleast one question from each unit as well as compulsory questions.

Unit	Topics	Contact Hours
I	<ul style="list-style-type: none"> • Masonry – Mud; bricks; building tiles - roof, floor and wall tiles; stones; clay; lime, sand, mortars, cement and aggregate; concrete; gypsum based plaster etc. • Timber, cane, bamboo – characteristics of good timber, defects, applications of timber finishes in timber. • Wood – Plywood, block boards, particle board, medium density fibre etc. – their properties, process of manufacture, finishes to reconstituted wood, - lamination, polishing etc. 	10
II	<ul style="list-style-type: none"> • Insulation Materials – Various insulating materials, their properties and applications. Surface finishes for wood products and derivatives etc. Coatings – clear and pigmented finishes technical or protective coatings etc. 	10
III	<ul style="list-style-type: none"> • Paints– Protective coating paints. Types of paints, Composition, functions, preparation and application method, painting on different surfaces, defects in painting etc. • Varnishes (Oil and spirit) – Various types and methods of application. 	11
IV	<ul style="list-style-type: none"> • Introduction to Built Elements – Study of built elements in the interiors with respect to materials used. Basic construction methods and general specifications. General types and classification of different types of buildings: overview of different functional, structural and architectural elements. • Introduction to basic structural systems, elements of structure, their functions and behavior, beams, slabs, columns, walls, foundations, bearing wall systems, trusses, rigid frames, linear and curved elements.. 	9
V*	<ul style="list-style-type: none"> • Case Studies. • Market Surveys. • Visual Presentations. • Site Visits. 	30

Suggested Evaluation Methods		
Internal Assessment: <ul style="list-style-type: none"> > Theory <ul style="list-style-type: none"> ● Class Participation: 05 ● Seminar/presentation/assignment/quiz/class test etc.:05 ● Mid-Term Exam: 10 > Practicum <ul style="list-style-type: none"> ● Class Participation: ● Seminar/Demonstration/Viva-voce/Lab records etc.:10 ● Mid-Term Exam: NA 	End Term Examination: 50 20	
Part C-Learning Resources		
Recommended Books/e-resources/LMS: <ul style="list-style-type: none"> ● Bindra, S.P. and Arora, S.P.- Building Construction: Planning Techniques and Methods of Construction, 19th ed. Dhanpat Rai Pub., New Delhi, 2000. ● Chowdary, K.P.- Engineering Materials used in India, 7th ed. Oxford and IBH, New Delhi, 1990. ● Francis D.Ching- Building Construction Illustrated, Wiley publishers, 2008. ● Moxley, R. Mitchell's Elementary Building Construction, Technical Press Ltd. ● Rangwala, S.C.- Building Construction: Materials and Types of Construction, 3rd ed. John Wiley and Sons, Inc., New York, 1963. ● Rangwala, S.C. -Building Construction 22nd ed. Charota Pub. House Anand, 2004. ● Sushil Kumar. T.B. of Building Construction 19th ed. Standard Pub. Delhi, 2003. 		

*Applicable for courses having practical component.

Session: 2023-24			
Part A - Introduction			
Subject	Bachelor of Vocation in Interior Designing		
Semester	II		
Name of the Course	Design Drawings & Graphics-II		
Course Code	B23-VID-202		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-2		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	Senior Secondary (10+2)		
Course Learning Outcomes(CLOs):	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. To impart knowledge about simple shapes & lines. 2. To help students to know tones & rendering techniques. 3. To introduce students with simple and composite forms. 4. To help students to know characteristics of perspective drawings <hr style="width: 20%; margin-left: 0;"/> <p>5*. To train students about drawing from imagination</p>		
Credits	Theory	Practical	Total
	3	1	4
Contact Hours	3	2	5
Max. Marks:100 Internal Assessment Marks:20(T)+10(P)=30 End Term Exam Marks:50(T)+20(P)=70		Time:3hrs (T) 4hrs(P)	

Part B- Contents of the Course

Instructions for Paper- Setter:The examiner will set nine questions in all, selecting two questions from each unit and one compulsory objective type question.

Instructions for the Candidate: The candidates will attempt five questions in all, selecting atleast one question from each unit as well as compulsory questions.

Unit	Topics	Contact Hours
I	<ul style="list-style-type: none"> • Introduction to pen and brush exercises – Simple exercises of shapes and lines, lines and textures, pen lines, ruling with pen and brush, brush lines etc. 	10
II	<ul style="list-style-type: none"> • Tones and Rendering – Tones in pen drawings, value scales, gray values, grading tones etc. Simple exercises of tonal values and textures with pen. Color study, monochrome and wash rendering etc. 	10
III	<ul style="list-style-type: none"> • Simple and composite forms, shadows on horizontal, vertical planes and on their own surfaces. Study of shade and shadows of simple geometrical shapes.. 	10
IV	<ul style="list-style-type: none"> • Perspective- Characteristics of perspective drawings, perspectives of simple geometric shapes and spaces and complex geometries. Advanced examples in one point or parallel perspective, two point or angular perspective. Introduction to three point perspective. Interior perspectives of rooms. • Rendering of the perspectives in different media. Integrating landscape elements, human figures, shadows, foreground etc in the perspectives. 	10
V*	<ul style="list-style-type: none"> • Drawing from imagination- <ul style="list-style-type: none"> ➤ Diagramming ➤ Drawing Composition ➤ Concept sketches ➤ Design development sketches ➤ Presentation sketches ➤ Presentation drawings ➤ Graphical presentations 	30

Suggested Evaluation Methods	
<p>Internal Assessment:</p> <ul style="list-style-type: none"> > Theory <ul style="list-style-type: none"> ● Class Participation: 05 ● Seminar/presentation/assignment/quiz/class test etc.:05 ● Mid-Term Exam: 10 > Practicum <ul style="list-style-type: none"> ● Class Participation: ● Seminar/Demonstration/Viva-voce/Lab records etc.:10 ● Mid-Term Exam: NA 	<p>End Term Examination:</p> <p>50</p> <p>20</p>
Part C-Learning Resources	
<p>Recommended Books/e-resources/LMS:</p> <ul style="list-style-type: none"> ● Atkin William W. Corbellent, Raniero and Fiore. R. Vincent-Pencil Techniques in Modern Design. 4th ed. Reinhold pub Corporation. New York, 1962. ● B.C. Punmia - Strength of Materials. ● Bately, Claude- Design Development of India Architecture. ● Bellings, Lance Bowen- Perspective Space and Design. ● Burden, Ernest-Architectural Delineation: A Photographic Approach to Presentation, 2nd ed, McGraw Hill, Inc., New York, 1982. ● Conli, Claudius- Drawings by Architects. ● Ernest. R. Norling- Perspective Made Easy, Dover publications, 1999. ● Francis D.Ching- Design Drawing, Wiley Publishers . ● Ivo.D. Drpic-Sketching and Rendering of Interior Space, Watson- Guptill, 1988. ● John. F. Pile- Perspective for Interior Designers, Watson – Guptill, 1989. ● Joseph D, Amelio- Perspective Drawing Hand book, Dover publications, 2004. ● Maureen Mitton- Interior Design Visual Presentation: A Guide To Graphics, Models And Presentation Techniques, 3rd edition, wiley publishers, 2007. ● MogaliDelgadeYanes and Ernest Redondo Dominquez- Freehand Drawing for Architects and Interior Designers, 2005. ● Rangwala - Engineering Materials. ● Rowland J. Mainstone -Development of Structural Form . ● S.P.Bindra, S.P.Arora- Building Construction. ● Stephen Kliment- Architectural Sketching and Rendering: Techniques for Designers and Artists, Watson Guptill, 1984. ● Maureen, Mitton- Interior Design Visual Presentation: A Guide to Graphics, Models and Presentation Techniques, 3rd edition, Wiley Publishers, 2007 ● MogaliDelgade ,Yanes and Ernest Redondo Dominquez, Freehand drawing for Architects and Interior Designers, 2005 . 	

- **Moris, I.H.**-Geometrical Drawing for Art Students.
- **Nelson, A. John. H.B.**- Architectural and Civil Drafting, Van Nostrand Reinhold, New York, 1983.
- **Nichols, T.B.** and Keep, Norman. Geometry of Construction, 3rd ed. Cleaver – Hume Press Ltd., London, 1959.
- **Shah, M.G., Kale, C.M. and Patki, S.Y.** Building Drawing: with an integrated approach to built environment, 7th ed. Tata McGraw Hill Pub., Delhi, 2000.
- **Stephen Kliment**, Architectural Sketching and Rendering: Techniques for Designers and Artists, Watson Guptill, 1984.
- **Thoms, E.French.** Graphics Science and Design, New York: MC Graw Hill.
- **Philip Carl Salzman**, Understanding Culture: An Introduction to Anthropological Theory, Waveland press, 2001.

*Applicable for courses having practical component.

Session: 2023-24			
Part A - Introduction			
Subject	Bachelor of Vocation in Interior Designing		
Semester	II		
Name of the Course	Space Planning		
Course Code	B23-VID-203		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-3		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	Senior Secondary (10+2)		
Course Learning Outcomes(CLOs):	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. To understand the concept of space. 2. To comprehend the principles of house planning. 3. To learn about the importance and application of principles of art for commercial purpose & to apply the techniques of art in interior and window display. 4. To know the current trends in commercial architecture <hr/> <p>5*. To learn to draw house plans.</p>		
Credits	Theory	Practical	Total
	3	1	4
Contact Hours	3	2	5
Max. Marks:100 Internal Assessment Marks: 20(T) +10(P) =30 End Term Exam Marks:50(T) +20(P) =70		Time:3 hrs(T) 4 hrs(P)	

Part B- Contents of the Course

Instructions for Paper- Setter:The examiner will set nine questions in all, selecting four questions from each unit and one compulsory objective type question.

Instructions for the Candidate: The candidates will attempt five questions in all, selecting atleast one question from each unit as well as compulsory questions.

Unit	Topics	Contact Hours
I	<ul style="list-style-type: none"> Space for Living – concept of life space – meaning of Macro, Micro and Meso environment, proxemics and personal space,. Visual analysis of designed spaces noted for comfort and spatial quality, analysis of solid and void relations, positive and negative spaces. 	10
II	<ul style="list-style-type: none"> Types of plans used by an architect. Allocation of space for various activities – social spaces, work spaces, private space. Basic anthropometrics – average measurements of human body in different postures – its proportion and graphic representation, application in the design of simple household and furniture. Basic human functions and their implications for spatial planning. Minimum and optimum areas for various functions. 	10
III	<ul style="list-style-type: none"> Residential space planning -Need for standardization in housing, types of standards, role of BIS. legal restrictions in housing – plot, easement, zoning law, building law. Finance and institutional support for housing – National environmental engineering research institute (NEERI), National Buildings Organization (NBO), Housing Development Finance Corporation (HDFC) and Housing and Urban Development Corporation (HUDCO). 	10
IV	<ul style="list-style-type: none"> Commercial Space Planning-Definition & development. Commercial Display and Techniques – Interior display – general arrangement, principles and factors, types and merchandise display, types of lighting arrangements in commercial buildings. Window Display – Meaning, Basic principles and techniques, types of window display, window arrangement. New Trends in Commercial Architecture- Design in commercial 	10

	<p>building. Basic concepts of commercial buildings.</p> <ul style="list-style-type: none"> • Features of departmental stores and shopping complex . 	
V*	<ul style="list-style-type: none"> • Introduction to measurement tools. Preparing user profile, bubble and circulation diagrams. • Detailed study of spaces such as living, dining, bedrooms, kitchen, toilet etc. including the furniture layout, circulation, clearances, lighting and ventilation, etc. • Space planning for office interiors – cabinets, conference rooms , open office systems. • Integration of spaces and functions in the design of bus shelter/milk booth/ watchman’s cabin/ traffic police kiosk/ flower stall/ ATM center, etc. • Case study of existing house and analysis of the spaces. Prepare scale drawings of interior spaces and small houses with proper graphical representation of building components. 	30
Suggested Evaluation Methods		
<p>Internal Assessment:</p> <ul style="list-style-type: none"> ➤ Theory <ul style="list-style-type: none"> • Class Participation: 05 • Seminar/presentation/assignment/quiz/class test etc.:05 • Mid-Term Exam: 10 ➤ Practicum <ul style="list-style-type: none"> • Class Participation: • Seminar/Demonstration/Viva-voce/Lab records etc.:10 • Mid-Term Exam: NA 		<p>End Term Examination:</p> <p>50</p> <p>20</p>
Part C-Learning Resources		
<p>Recommended Books/e-resources/LMS:</p> <ul style="list-style-type: none"> • Arulmanickam A.P. and T.K. Palaniappan (1993), Estimating and costing,Pratheeba • Deshpande, R.S. (1995) ; Modern ideal Homes for India, Deshpande Publication, Poona • Day P.G. (1982), A guide to professional architectural and industrial scale model building, Eagle wood cliffs, N.J. Prentice Hall. • Chaudhari, S.N. 2006, Interior Design. Aavishkar Publishers, Jaipur • Francis.D. Ching& Corky Bingelli- Interior Design Illustrated, 2nd edition, Wiley publishers, 2004. • Faulkner, S and Faulkner, R (1987), Inside Today’s Home, Rinehart Publishing Company, New york. • Gupta, C.B., Dr. Nair, Rajan 2003, Marketing Management, Sultan Chand &Som, New Delhi. • Indian Standards Institutions (1983), National building code of India ISI rol, 1 New Delhi, MarakBhavan • Joseph D Chiara, Julius Panero, & Martin Zelnick- Time Saver Standards for Interior Design & Space 		

Planning, 2nd edition, Mc-Graw Hill professional, 2001.

- **Stephen Kliment**, Architectural Sketching and Rendering: Techniques for Designers and Artists, Watson Guptill, 1984.
- **Thoms, E.French**. Graphics Science and Design, New York: MC Graw Hill.
- **Philip Carl Salzman**, Understanding Culture: An Introduction to Anthropological Theory, Waveland press, 2001.
- **Julius Panero& Martin Zelnick**- Human Dimension & Interior Space : A source book of Design Reference standards, Watson – Guptill, 1979.
- **Joseph, D.C., Julies, P. and Martiv, Z.** 1992, Time saver standards for Interior Design and space Planning, New York.
- **Kasu, A.A.** 2005, Interior Design, Ashish Book centre Delhi.
- **Khanna, G.** Art of Interior design, Indica Publishers, Delhi.
- **Karlen Mark**- Space Planning Basics, Van Nostrand Reinhold, New York, 1992.
- **Karlen Mark, Kate Ruggeri & Peter Hahn**- Space Planning Basics, Wiley publishers, 2003.
- **Nair, R.** 2002, Marketing, Sultan Chnd and Sons Publisher, New Delhi.
- **Pattanchetti, C.C. Reddy, P.N.** 1995, Marketing, Rainbow publishers, Coimbatore.
- **Sharma, G. and Khana, G.** Advanced Interior Designing Incorporating Vaastu and Feng – shui, Indica Publishers, Delhi.
- **Tessie, A.,** (1986), The House, its plan and use, J.B. Lippincett, New York.

*Applicable for courses having practical component.

Session: 2023-24			
Part A - Introduction			
Subject	Bachelor of Vocation in Interior Designing		
Semester	II		
Name of the Course	Model Making Workshop		
Course Code	B23-VID-204		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-M2		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	Senior Secondary (10+2)		
Course Learning Outcomes(CLOs):	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. To provide knowledge about analysis of existing pieces of furniture regarding their functional aspects. 2. To provide knowledge about measurement of drawing of a pieces of furniture 3. To know the modular aspects of furniture. 4. To update about furniture style <hr/> <p>5*. To help students to draw furniture items (with elevations & other details) on full scale.</p>		
Credits	Theory	Practical	Total
	1	1	2
Contact Hours	1	2	3
Max. Marks:50		Time:3hrs (T)	
Internal Assessment Marks:10(T)+5(P)=15		4hrs(P)	

End Term Exam Marks:20(T)+15(P)=35

Part B- Contents of the Course

Instructions for Paper- Setter:The examiner will set nine questions in all, selecting two questions from each unit and one compulsory objective type question.

Instructions for the Candidate: The candidates will attempt five questions in all, selecting atleast one question from each unit as well as compulsory questions.

Unit	Topics	Contact Hours
I	<ul style="list-style-type: none">Analyzing furniture: Analyzing furniture forms and designing furniture forms scientifically based on ergonomics, material design and working parameters and visual perception of furniture as a single form and as a system in a given interior space.	7
II	<ul style="list-style-type: none">Measurement drawing: Measurement drawing of a piece of a furniture-plan, elevation and detail drawings on proper scale. History of furniture from early days to industrial revolution	6
III	<ul style="list-style-type: none">Modular Aspect: Modular aspect and approach towards all types of furniture, cost criteria of design furniture for lower income sector society.	8
IV	<ul style="list-style-type: none">Furniture Style: Design and understand Post Independence furniture style	7
V*	<ul style="list-style-type: none">Make a sheet work showcasing ancient furniture into modern furniture.Measure Drawing of a Piece of Furniture –Draw (With elevations & other details) on full scale.Survey of several modular systems available for different functions in the market. Exploration of different materials and cost criteria for system design.	28

Suggested Evaluation Methods		
Internal Assessment: <ul style="list-style-type: none"> ➤ Theory <ul style="list-style-type: none"> ● Class Participation: 04 ● Seminar/presentation/assignment/quiz/class test etc.:00 ● Mid-Term Exam: 06 ➤ Practicum <ul style="list-style-type: none"> ● Class Participation: ● Seminar/Demonstration/Viva-voce/Lab records etc.:05 ● Mid-Term Exam:NA 	End Term Examination: 20 15	
Part C-Learning Resources		
Recommended Books/e-resources/LMS: <ul style="list-style-type: none"> ● Window Fashion, Charles T. Randall ● Illustration + Perspectives (In Pantone Colors), EijiMitooka ● Elements of Architecture, MeissPieree Von 		

*Applicable for courses having practical component.

Session: 2023-24			
Part A - Introduction			
Subject	Bachelor of Vocation in Interior Designing		
Semester	III		
Name of the Course	Introduction to Building Materials and Fundamentals of Structure- II		
Course Code	B23-VID-301		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-1		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	Senior Secondary (10+2)		
Course Learning Outcomes(CLOs):	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. To provide knowledge physical and behavioral properties of materials. 2. To update about various glass products. 3. To help students to identify various adhesives. 4. To help students to know about building structures <hr/> <p>5*.To impart practical knowledge about visual presentations of building materials and structures.</p>		
Credits	Theory	Practical	Total
	3	1	4
Contact Hours	3	2	5
Max. Marks:100		Time::3hrs (T)	
Internal Assessment Marks:20(T)+10(P)=30		4hrs(P)	

End Term Exam Marks:50(T)+20(P)=70

Part B- Contents of the Course

Instructions for Paper- Setter:The examiner will set nine questions in all, selecting two questions from each unit and one compulsory objective type question.

Instructions for the candidate: The candidates will attempt five questions in all, selecting atleast one question from each unit as well as compulsory questions.

Unit	Topics	Contact Hours
I	<ul style="list-style-type: none">• Building Materials -Physical and behavioral properties of materials, their application in the construction of floors, walls, ceilings, walls, doors, windows, staircases.	10
II	<ul style="list-style-type: none">• Glass and glass products –their properties and uses in buildings. Commercial forms available – their physical and behavioral properties, tools and technology of its application in built forms.• Rubber — Types, properties and application.• Plastics —Types, properties and applications.	10
III	<ul style="list-style-type: none">• Adhesives –Types, method of application, bond strength etc.• Asphalt and Bitumen –Properties and uses.• Introduction to building codes , Primary and secondary forces acting on the structures – gravitational force, live load, wind, temperature variation, distribution of loads through the elements of the structural system.	10
IV	<ul style="list-style-type: none">• Light weight space structure, small and large scale surface structure, integrated display system and structural elements.• Structural systems and their layout for a small building. Structural systems for elements of interior spaces.	10
V*	<p>Case studies/ market surveys/ visual presentations/ site visits/ drawings.</p> <ul style="list-style-type: none">• Market surveys to be conducted to find out the commercial and technical names, sizes , codes for materials, testing, fabrication, commercial	30

	methods of pricing, billing etc.	
Suggested Evaluation Methods		
Internal Assessment: > Theory <ul style="list-style-type: none"> ● Class Participation: 05 ● Seminar/presentation/assignment/quiz/class test etc.:05 ● Mid-Term Exam: 10 > Practicum <ul style="list-style-type: none"> ● Class Participation: ● Seminar/Demonstration/Viva-voce/Lab records etc.:10 ● Mid-Term Exam: NA 		End Term Examination: 50 20
Part C-Learning Resources		
Recommended Books/e-resources/LMS: <ul style="list-style-type: none"> ● Bindra SP and Arora SP- Building Construction: Planning Techniques and Methods of Construction, 19th ed. DhanpatRai Pub., New Delhi, 2000. ● Chowdary, K.P.- Engineering Materials Used in India, 7th ed. Oxford and IBH, New Delhi,1990. ● Francis D. Ching- Building Construction Illustrated, Wiley publishers, 2008. ● Moxley,R. Mitchell’s Elementary Building Construction, Technical Press Ltd. ● Rangwala, S.C.- Building Construction: Materials and types of Construction, 3rd ed. John Wiley and Sons, Inc., New York, 1963. ● Rangwala, S.C. -Building Construction 22nd ed. Charota Pub. House Anand, 2004. ● Sushil Kumar. T.B. of Building Construction 19th ed. Standard Pub. Delhi, 2003. 		

*Applicable for courses having practical component.

Session: 2023-24			
Part A - Introduction			
Subject	Bachelor of Vocation in Interior Designing		
Semester	III		
Name of the Course	Interior Design Studio & Psychology of Space		
Course Code	B23-VID-302		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-2		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	Senior Secondary (10+2)		
Course Learning Outcomes(CLOs):	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. To know anthropometry in relation to interior spaces,. 2.To understand perception of space. 3. To relate different spatial elements. 4. To know social behaviour patterns. <hr/> <p>5*. To impart training about drawing furniture layout .</p>		
Credits	Theory	Practical	Total
	3	1	4
Contact Hours	3	2	5
Max. Marks:100		Time:3hrs (T)	
Internal Assessment Marks:20(T)+10(P)=30		4hrs(P)	
End Term Exam Marks:50(T)+20(P)=70			
Part B- Contents of the Course			
Instructions for Paper- Setter: The examiner will set nine questions in all, selecting two questions from each			

unit and one compulsory objective type question.

Instructions for the candidate: The candidates will attempt five questions in all, selecting atleast one question from each unit as well as compulsory questions.

Unit	Topics	Contact Hours
I	<ul style="list-style-type: none"> • Applying anthropometry in relation to interior spaces, Various techniques of creating designs & Color scheme in relation to interiors 	10
II	<ul style="list-style-type: none"> • Perception of space through understanding associative aspects relating to space. • Understanding of cognitive theories and Gestalt principles of psychology related to the field of space making. 	10
III	<ul style="list-style-type: none"> • Relationship of spatial elements like floor, column, wall, window, door, stair, roof, light, color, texture to the psychology and perception of space. 	11
IV	<ul style="list-style-type: none"> • Analysis of Human Mind and His/her Image of the World - Social behavior patterns, traditional thinking and behavior and reflection of social world into physical environment. • Human Being and His Behavior in Various Public and Private Areas – Change of patterns in various cultures. Human behavior in a group. Activities and its relationship with grouping of people. 	10
V*	<ul style="list-style-type: none"> • Collection of samples of material for interiors of various parts of buildings, drawing furniture layout of any of the two buildings. • Create at least two designs relation to any one of the following - Single room residence, Doctor’s clinic, Kindergarten school, Architect’s studio, Retail exhibition 	30
Suggested Evaluation Methods		

<p>Internal Assessment:</p> <ul style="list-style-type: none"> ➤ Theory <ul style="list-style-type: none"> ● Class Participation: 05 ● Seminar/presentation/assignment/quiz/class test etc.:05 ● Mid-Term Exam: 10 ➤ Practicum <ul style="list-style-type: none"> ● Class Participation: ● Seminar/Demonstration/Viva-voce/Lab records etc.:10 ● Mid-Term Exam: NA 	<p>End Term Examination:</p> <p>50</p> <p>20</p>
<p>Part C-Learning Resources</p>	
<p>Recommended Books/e-resources/LMS:</p> <ul style="list-style-type: none"> ● Francis's. Ching& Corky Bingell- Interior Design Illustrated, 2nd edition, Wiley publishers, 2004. ● Joseph D Chiara, Julius Panero, & Martin Zelnick- Time Saver Standards for Interior Design & space planning, 2nd edition, Mc-Graw Hill professional, 2001. ● Julius Panero& Martin Zelnick- Human Dimension & Interior Space : A Source Book of Design Reference Standards, Watson – Guptill, 1979. ● Maureen Mitton- Interior Design Visual Presentation: A Guide to Graphics, Models, and Presentation Techniques. John Wiley and Sons, 2003 ● Mark.W. Lin- Drawing and Designing with Confidence: A Step-by-Step Guide, Wiley and Sons, 1993. ● Robert Rengel- Shaping Interior Space, Fairchild Books &Visuals ,2002. 	

*Applicable for courses having practical component.

Session: 2023-24			
Part A - Introduction			
Subject	Bachelor of Vocation in Interior Designing		
Semester	III		
Name of the Course	Environmental Control in Interiors- I		
Course Code	B23-VID-303		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-3		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	Senior Secondary (10+2)		
Course Learning Outcomes(CLOs):	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. To develop an understanding of environmental control in interiors. 2. To understand communication in open plans. 3. To know about lighting and vision. 4. To understand lighting designs . <hr style="width: 20%; margin-left: 0;"/> <p>5*. To train students in making electrical plans.</p>		
Credits	Theory	Practical	Total
	3	1	4
Contact Hours	3	2	5
Max. Marks:100 Internal Assessment Marks:20(T)+10(P)=30 End Term Exam Marks:50(T)+20(P)=70		Time:3hrs (T) 4hrs(P)	
Part B- Contents of the Course			
<u>Instructions for Paper- Setter:</u> The examiner will set nine questions in all, selecting two questions from each			

unit and one compulsory objective type question.

Instructions for the Candidate: The candidates will attempt five questions in all, selecting atleast one question from each unit as well as compulsory questions.

Unit	Topics	Contact Hours
I	<ul style="list-style-type: none"> • Environment Control – Meaning of environment, importance of environment control, elements to be controlled in the interiors. • Need to study acoustics, methods used for good acoustics ; properties of sound – sound waves, wave length, frequency, velocity, resonance, sound levels, loudness, noise, sound reflection, echoes, reverberation, behaviour of sound in enclosed spaces ; sound absorption –sound absorbent material , speech privacy and annoyance, background noise. 	10
II	<ul style="list-style-type: none"> • Communication in open plans, electronic sound systems. • Layout & guidelines for good acoustical design. • Acoustic Design Process and Different Types of Buildings – Auditoriums, concert halls, cinema halls, seminar rooms, lecture halls, classrooms and open offices. 	10
III	<ul style="list-style-type: none"> • Lighting and Vision – Principles of lighting, effects of good lighting, considerations for good lighting, brightness, glare, contrast and diffusion. • Planning Lighting – General aims, lighting needs, selection of fixtures, location and placing of fixtures. • Lamps and Lighting Fixtures – Floor, table and desk, wall mounted, ceiling units, built in lighting, decorative lighting, spot lighting, task lighting, underwater, miscellaneous types etc. 	11
IV	<ul style="list-style-type: none"> • Lighting design in residences, offices and stores. • Electrical Plan Layout: Formation of plan, Symbols, Standard Height, its advantages & disadvantages. 	10

V*	<ul style="list-style-type: none"> Make a AutoCAD file on electrical plan for one residential and one commercial space. 	30
Suggested Evaluation Methods		
Internal Assessment: > Theory <ul style="list-style-type: none"> Class Participation: 05 Seminar/presentation/assignment/quiz/class test etc.:05 Mid-Term Exam: 10 > Practicum <ul style="list-style-type: none"> Class Participation: Seminar/Demonstration/Viva-voce/Lab records etc.:10 Mid-Term Exam: NA 		End Term Examination: 50 20
Part C-Learning Resources		
Recommended Books/e-resources/LMS: <ul style="list-style-type: none"> Burris, Harold, Acoustics for Architect. David Egan. M. Concepts in Architectural lighting Mcgraw Hill Book company, New York, 1983. Egan David, Architectural acoustics, Mc-Graw Hill Book company, New york, 1988. John.F. Pile, Interior Design, 2nd edition, illustrated, H.N.Abrams, 1995. Lord, Peter and Tempelton, Duncan, The Architecture of sound,. ; Designing places of Assembly ,Architectural press ltd, London, 1986. Moore J.E. , Design of good acoustics, The architectural press, London, 1961 Moore Fuller, Concepts and practice of Architectural Day lighting, Van Nostrand Reinhold co., New York, 1985. Poella . L. Leslie, Environmental Acoustics. Wanda Jankowski, Lighting : In Architecture and Interior Design, pbcintl, 1995. 		

*Applicable for courses having practical component.

Session: 2023-24			
Part A - Introduction			
Subject	Bachelor of Vocation in Interior Designing		
Semester	III		
Name of the Course	Economics for Business Decisions		
Course Code	B23-VID-304		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-M3		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	Senior Secondary (10+2)		
Course Learning Outcomes(CLOs):	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. To gain the basic knowledge of economics for taking decisions relating to business. 2. To gain knowledge about factors of production. 3. To help students to analyse cost of production. 4. To know market structure. <p style="text-align: center;">_____</p> <ol style="list-style-type: none"> 5*. To help students to know about tactics related to business. 		
Credits	Theory	Practical	Total
	3	1	4
Contact Hours	3	2	5
Max. Marks:100 Internal Assessment Marks::20(T)+10(P) End Term Exam Marks:50(T)+20(P)		Time:3hrs(T) 4hrs(P)	
Part B- Contents of the Course			
Instructions for Paper- Setter: The examiner will set nine questions in all, selecting two questions from each			

unit and one compulsory objective type question.

Instructions for the Candidate: The candidates will attempt five questions in all, selecting atleast one question from each unit as well as compulsory questions.

Unit	Topics	Contact Hours
I	<ul style="list-style-type: none"> Definition, scope and nature of economics, consumption laws, demand & supply analysis, elasticity of demand, indifference curve analysis, consumer surplus and its application. 	12
II	<ul style="list-style-type: none"> Factors of production, production function, law of variable proportion, laws of return to scale, elasticity of factor-substitution, production efficiency, engineering production, economies of scales. 	10
III	<ul style="list-style-type: none"> Cost of production, types of costs- economic costs- fixed cost and variable costs, direct and indirect costs, average and marginal costs, implicit cost, opportunity cost; short-run and long-run cost functions, engineering cost function; optimal combination of factor-inputs, risk analysis and decision making. 	9
IV	<ul style="list-style-type: none"> Market structure- Competitive market, imperfect market, monopoly and oligopoly. 	8
V*	<ul style="list-style-type: none"> Make a proper report on the structure of market after survey. 	30

Suggested Evaluation Methods

<p>Internal Assessment:</p> <p>➤ Theory</p> <ul style="list-style-type: none"> Class Participation: 05 Seminar/presentation/assignment/quiz/class test etc.:05 Mid-Term Exam: 10 <p>➤ Practicum</p> <ul style="list-style-type: none"> Class Participation: Seminar/Demonstration/Viva-voce/Lab records etc.:10 Mid-Term Exam: NA 	<p>End Term Examination:</p> <p>50</p> <p>20</p>
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Part C-Learning Resources

Recommended Books/e-resources/LMS:

- **David R. Anderson, Dennis J.Sweeney And Thomas A.Williams Essential of Statistics For Business And Economics(Sixth Edition) .**
- **John Sloman And Elizabeth Jones: Essential Economics For Business (Fourth Edition).**
- **John Sloman, Kelvin Hinde And Dean Garrat : Economics for Business (Sixth Edition).**
- **Phil Thornto : Brilliant Economics, Making Sense of The Big Ideas**

*Applicable for courses having practical component.

Session: 2023-24			
Part A - Introduction			
Subject	Bachelor of Vocation in Interior Designing		
Semester	IV		
Name of the Course	Introduction to Building Materials and Fundamentals of Structure-III		
Course Code	B23-VID-401		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-1		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	Senior Secondary (10+2)		
Course Learning Outcomes(CLOs):	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. To provide the knowledge about roofing & flooring material. 2. To impart knowledge about application of metals to built forms and interiors. 3. To understand fabrics and other furnishing materials 4. To give an understanding of characteristic requirements of structural design. <hr style="width: 20%; margin-left: auto; margin-right: auto;"/> <p>5*. To provide practical experience about building materials.</p>		
Credits	Theory	Practical	Total
	3	1	4
Contact Hours	3	2	5
Max. Marks: 100		Time: 3 hrs(T)	
Internal Assessment Marks: 20(T) +10(P) =30		4 hrs(P)	

End Term Exam Marks:50(T) +20(P) =70

Part B- Contents of the Course

Instructions for Paper- Setter:The examiner will set nine questions in all, selecting two questions from each unit and one compulsory objective type question.

Instructions for the Candidate: The candidates will attempt five questions in all, selecting atleast one question from each unit as well as compulsory questions.

Unit	Topics	Contact Hours
I	<ul style="list-style-type: none">• Roofing – Roofing tiles and asbestos cement products, sheets and fiber boards – properties, uses and application.• Flooring -Various natural as well as artificial flooring materials like vitrified tiles, ceramic tiles, Shahabad stones, mosaic, rubber, linoleum, PVC and PVA flooring, properties, other uses and applications in the interiors.	11
II	<ul style="list-style-type: none">• Metals – Steel, iron, aluminum, bronze, brass, copper – alloys, characteristics, form and uses, properties, definition of terms, methods of working with metals, fixing and joinery in metals, finishing and treatment to metals.• Application of Metals to Built Form and Interiors - Special doors and windows, ventilators – sliding, sliding and folding, revolving, pivoted, rolling, collapsible, dormer, skylights, clerestory etc.	10
III	<ul style="list-style-type: none">• Fabrics and Other Furnishing Materials – Fibers, textiles, fabric treatments, carpets, durries, tapestries, draperies, upholstery, wall coverings, etc. –properties, uses and application in the interiors.• Miscellaneous materials such as cork, leather, paper, rexene etc. – their properties, uses and applications in the interiors. A brief overview of green materials.	12
IV	<ul style="list-style-type: none">• Characteristic Requirements of Structural Design – Stress and strains, strength, stiffness and stability.	12

V*	<ul style="list-style-type: none"> Physical and behavioral properties, tools and technology of its application in the construction of floors, walls, ceilings, doors, windows, staircase, built in furniture, partitions and other interior design components. Visual quality of materials in terms of finishes through color, texture, modulations and pattern evolution. Material, workmanship, specification etc. 	30
Suggested Evaluation Methods		
Internal Assessment: > Theory <ul style="list-style-type: none"> Class Participation: 05 Seminar/presentation/assignment/quiz/class test etc.:05 Mid-Term Exam: 10 > Practicum <ul style="list-style-type: none"> Class Participation: Seminar/Demonstration/Viva-voce/Lab records etc.:10 Mid-Term Exam: NA 		End Term Examination: 50 20
Part C-Learning Resources		
Recommended Books/e-resources/LMS: <ul style="list-style-type: none"> Bindra, S.P. and Arora, S.P- Building Construction: Planning Techniques and methods of Construction, 19th ed. DhanpatRai Pub., New Delhi, 2000. Chowdary, K.P- Engineering Materials used in India, 7th ed. Oxford and IBH, New Delhi, 1990. Francis D. Ching- Building Construction Illustrated, Wiley publishers, 2008. Moxley, R. Mitchell"s -Elementary Building Construction, Technical Press Ltd. Rangwala, S.C. Building Construction 22nd ed. Charota Pub. House Anand, 2004. Rangwala, S.C- Building Construction: Materials and Types of Construction, 3rd ed. John Wiley and Sons, Inc., New York, 1963. 		

*Applicable for courses having practical component.

Session: 2023-24			
Part A - Introduction			
Subject	Bachelor of Vocation in Interior Designing		
Semester	IV		
Name of the Course	Traditional and Contemporary Interior Designs		
Course Code	B23-VID-402		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-2		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	Senior Secondary (10+2)		
Course Learning Outcomes(CLOs):	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. To understand thematic space making. 2. To know the designing of living units 3. To understand the application of art / craft at public spaces. 4. To impart knowledge about traditional and contemporary homes. <hr/> <p>5*. To provide practical knowledge about planning of different building spaces.</p>		
Credits	Theory	Practical	Total
	3	1	4
Contact Hours	3	2	5
Max. Marks:100		Time::3hrs (T) 4hrs(P)	
Internal Assessment Marks:20(T)+10(P)=30			
End Term Exam Marks:50(T)+20(P)=70			

Part B- Contents of the Course

Instructions for Paper- Setter: The examiner will set nine questions in all, selecting two questions from each unit and one compulsory objective type question.

Instructions for the Candidate: The candidates will attempt five questions in all, selecting atleast one question from each unit as well as compulsory questions.

Unit	Topics	Contact Hours
I	<ul style="list-style-type: none"> • Meaning of Traditional Designs • Meaning of Contemporary Designs • Thematic Space Making with Art and Craft Forms of Our Own Culture in India. 	10
II	<ul style="list-style-type: none"> • Detail Designing of Living Units <ul style="list-style-type: none"> • By involving contemporary styles. • By involving traditional styles. • By use of craft in its inherent quality and form. 	11
III	<ul style="list-style-type: none"> • Applications of Art / Craft at Public Level Spaces <ul style="list-style-type: none"> • Lounge (Hotel). • Restaurant of specific ethnic characteristics • Resort • Wedding Hall 	10
IV	<ul style="list-style-type: none"> • Needs, realities and Value System in Traditional and Contemporary Homes of Modern Society 	9
V*	<ul style="list-style-type: none"> • Plan of any one Hotel/ Restaurant/ Resort /Wedding hall 	30

Suggested Evaluation Methods

<p>Internal Assessment:</p> <ul style="list-style-type: none"> ➤ Theory <ul style="list-style-type: none"> ● Class Participation: 05 ● Seminar/presentation/assignment/quiz/class test etc.:05 ● Mid-Term Exam: 10 ➤ Practicum <ul style="list-style-type: none"> ● Class Participation: ● Seminar/Demonstration/Viva-voce/Lab records etc.:10 ● Mid-Term Exam: NA 	<p>End Term Examination:</p> <p>50</p> <p>20</p>
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Part C-Learning Resources

Recommended Books/e-resources/LMS:

- **Francis.D. Ching& Corky Bingelli-** Interior Design Illustrated, 2nd edition, Wiley Publishers, 2004.
- **John F. Pile-** A History of Interior Design, Laurence King Publishing, 2005.
- **Joseph D Chiara, Julius Panero, & Martin Zelnick-** Time Saver Standards for Interior Design & Space Planning, 2nd edition, Mc-Graw Hill Professional, 2001.
- **Julius Panero& Martin Zelnick,** Human Dimension & Interior Space : A Source Book Of Design Reference Standards, Watson – Guptill, 1979.
- **Karlen Mark-** Space planning Basics, Van Nostrand Reinhold, New York, 1992.
- **Mark.W. Lin,** Drawing and Designing with Confidence: A Step-By-Step Guide, Wiley and Sons, 1993.
- **Maureen Mitton-** Interior Design Visual Presentation: A Guide to Graphics, Models, and Presentation Techniques. John Wiley and Sons, 2003
- **Neufert Ernest-** Architect’s Data, Granada pub. Ltd. London, 2000.
- **Robert Rengel-** Shaping Interior Space, Fairchild Books & Visuals ,2002
- **Robin D. Jones-** Interiors of Empire- Objects, Space and Identity within the Indian Subcontinent, Manchester University Press; illustrated edition, 2008

*Applicable for courses having practical component.

Session: 2023-24			
Part A - Introduction			
Subject	Bachelor of Vocation in Interior Designing		
Semester	IV		
Name of the Course	Green Building Technology & Practices		
Course Code	B23-VID-403		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-3		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	Senior Secondary (10+2)		
Course Learning Outcomes(CLOs):	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. To help the students to understand the importance of green building technology 2. To know the recent green building materials. 3. To know the renewable energy resources. 4. To impart knowledge about water conservation technologies. <hr/> <p>5*. To provide practical knowledge about green building material.</p>		
Credits	Theory	Practical	Total
	3	1	4
Contact Hours	3	2	5
Max. Marks:100 Internal Assessment Marks:20(T) +10(P) =30 End Term Exam Marks:50(T) +20(P) =70		Time:3 hrs(T) 4 hrs(P)	
Part B- Contents of the Course			
<u>Instructions for Paper- Setter:</u> The examiner will set nine questions in all, selecting two questions from each			

unit and one compulsory objective type question.

Instructions for the Candidate: The candidates will attempt five questions in all, selecting atleast one question from each unit as well as compulsory questions.

Unit	Topics	Contact Hours
I	<ul style="list-style-type: none"> • Meaning & Significance of Green building • Materials and Finishes Used in Green Building – Bamboo, straw, wood, dimension stone, recycled stone, non-toxic metals; earth blocks-compressed, rammed, baked; linen, sisal, wood fibres, cork, coconut. 	10
II	<ul style="list-style-type: none"> • Green building practices and technologies for roof, walls, floors, electrical, plumbing, windows, and doors; heating, ventilation and air conditioning (HVAC); insulation, Interior finishes, landscaping. 	10
III	<ul style="list-style-type: none"> • Renewable Energy Resources –Solar devices – solar room heater, solar lights, solar water heater& solar air conditioners. 	10
IV	<ul style="list-style-type: none"> • Water Conservation Technologies- Rain water harvesting- types of rain water harvesting systems 	10
V*	<ul style="list-style-type: none"> • Conduct survey of any 2 green buildings and make a detail report. 	30
Suggested Evaluation Methods		
Internal Assessment: > Theory <ul style="list-style-type: none"> • Class Participation: 05 • Seminar/presentation/assignment/quiz/class test etc.:05 • Mid-Term Exam: 10 > Practicum <ul style="list-style-type: none"> • Class Participation: • Seminar/Demonstration/Viva-voce/Lab records etc.:10 • Mid-Term Exam: NA 		End Term Examination: 50 20
Part C-Learning Resources		

Recommended Books/e-resources/LMS:

- **Rai G.D** (1996), Solar Energy Utilization, Khanna Publishers, Delhi.
- **Riggs, J.R.** (1992) Materials and Components of Interior Design, Regents Hall, New Jersey.
- **Faulkner, R., and Faulkner. S,** (1987) Inside Today's Home, Rinehart publishing House, Newyork.
- **Roa, M.P.** (1998), Interior design, principles and practice, standard publishers, Delhi.
- **Despande, R.S,** (1974) Build your own home, United book corporation, Poona.
- **Faulkner, R. and Faulkner,S.**(1987), Inside Today 's Home, Rine hart publishing company, Newyork.
- **Judy,M.,**(1994), How to see, how to paint it, Harpencollingpublishers,London.
- **Jan Orcharchd** (1993), Lighting for a beautiful Home, Dunestyle publishing Ltd.,U.S.A.
- **Konya Allan-** Design for Hot Climates.
- **Kukreja. C.P-** Tropical Architecture. Tata McGraw Hill Pub. Co. Ltd. New Delhi, 1978.
- **Koeinsberger, O.H. et al** Manual of Tropical Housing and Building. Orient Longman, Chennai, 2003.
- **Markus, T.A and Morris. E.N.-** Buildings. Climate and Energy, Pitman Pub Ltd., London, 1980.
- **Olgay and Olgay,** Solar Control and Shading Devic.
- **Seetharam, P and Pannu, P.**Interior Design and Decoration, CBS publishers and distributors, NewDelhi.
- **Stewart and Sally .W.,** (1997), The Complete Home Decorator, Annes publishers Ltd.,Newyork.

*Applicable for courses having practical component.