

Shri Rawatpura Sarkar University, Raipur



Examination Scheme & Syllabus

for

B.Sc Interior Design Semester – I

(Effective from the session: 2022-23)



SHRI RAWATPURA SARKAR UNIVERSITY, RAIPUR CHHATTISGARH
FACULTY OF ENGINEERING

Three Years B.Sc. Programme
Scheme of Teaching and Examination
B.Sc First Semester Interior Design

Outcome Based Education (OBE) and Choice Based Credit System (CBCS)
(Effective from the Academic Year 2022-2023)

S.No.	Course Code	Course Title	Hours / Week			Credits	Maximum Marks			Sem End Exam Duration (Hrs)
			L	T	P		Continuous Evaluation	Sem End Exam	Total	
1	BSCID101T	English Language	3	1	-	4	30	70	100	3
2	BSCID102T	Design Fundamentals	3	1	-	4	30	70	100	3
3	BSCID103T	Draftsmanship-I	3	1	-	4	30	70	100	3
4	BSCID104T	Building Materials-I	3	1	-	4	30	70	100	3
5	BSCID105P	Graphics & Basic Drawings	-	-	6	3	30	70	100	4
6	BSCID106P	Design Fundamentals	-	-	6	3	30	70	100	4
						22			600	



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FACULTY OF ENGINEERING

Course Title	ENGLISH LANGUAGE				
Course Code	BSCID101T				
Course Credits	L	T	P	TC	
	3	1	-	4	
Prerequisites	Basic of communication, communication skill.				
Course objectives	<ul style="list-style-type: none"> The prescribed text helps the students increase their proficiency in English by enhancing their resources to deal with communicative needs of everyday life at home, at work, and in social interaction. 				
Course Contents	<p>UNIT -I</p> <p>Language Content</p> <p>(a) Structural Items : - Simple, Compound and Complex Sentences. - Co-ordinate Clauses (With, But, or Neither- Nor , Otherwise, Else) - Sub-Ordinate clauses- noun clauses-as subjects, objects and Complement . - Relative Clauses (Restrictive and non Restrictive clauses) - Adverb clauses (open and hypothetical, conditional: With Because, though, Where, So that as long as, as soon) - Comparative clauses (as + adjective/adverb + as no sooner -----that)</p> <p>(b) Tense:</p> <p>(c)- The Passive</p> <p>(d)- Reported speech</p> <p>(e)- Module</p> <p>(f) – Verb Structures</p> <p>UNIT -II</p> <p>Reading Comprehension Adequate Practice Should be Provided in Reading With Understanding Through Materials Prescribed in the TextBook. Attempt should also Make to Expand the Learner’s Vocabulary</p> <p>UNIT -III</p> <p>(I) Writing Skills:</p> <p>(II) a. Paragraph Writing</p> <p>(III) b. Letter Writing- Leave Letters, Letters of Complaint Paragraph Writing (150 words)</p>				



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	<p>UNIT- IV</p> <p>Speaking Skills: a. Introducing Oneself b. Giving Instructions c. Describing People, Places, Things, Process Etc d. Narrating An Event, Occurrence Etc</p> <p>UNIT- V</p> <p>Body language, verbal and non-verbal communication, personality development.</p>
Course Outcome	After Completion Of These Courses The Students Will Come Up With Good Communication Skill Write Accurate Simple And Compound Sentences Using The Grammatical Structures Studied In The Course; Apply The Structures To Their Own Writing Generate Ideas And Prepare To Write Using Simple Prewriting Strategies; Write Effective Paragraphs Using The Modes Ofdescription And Narration In Supporting Their Ideas;
Text Books	1. Business Communication - N Gupta P Mahajan ‘SahityaBhawan Publication’
Reference Books	1. Business Communication – Monopoly & Monipally Commercial Correspondence – Ghosh&Bhushan



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Course Title	DESIGN FUNDAMENTALS				
Course Code	BSCID102				
Course Credits	L	T	P	TC	
	3	1	-	4	
Prerequisites	Understand the elements and principles of design.				
Course objectives	<ul style="list-style-type: none"> • Learn the importance of art elements in the creation of new design. • Learn the application of principles of design in creating beautiful interiors. 				
Course Contents	<p>UNIT- I Introduction to design: Definition & meaning of design. General guidelines for good design, Examples of design from nature Significance of interior design utilization: Finance, Resource, Space, Labour</p> <p>UNIT- II Definition theory of standard dimension based on human figures for activities, functions circulation, Furniture Design & sanitary Fixture, Special requirements. Design of furniture for living, dinning, kitchen, Bedroom.</p> <p>UNIT- III Basic Elements of Design. Point-Definition of point Line-Definition of line, types of line, application of line. Form & Shape-Definition of shape and form, types of form, difference between shape and form, natural forms, geometric form, organic form Texture as pattern, implied texture, tactile texture.</p> <p>UNIT- IV Colours: Primary colours, Secondary colours, Tertiary Colours, Colour Wheel, Light-Definition, Sources of Light, General Properties, Contrast and Contrast Brightness</p> <p>UNIT -V Principles of Design: - Mass; Form; Scale & Proportion, Balance, Contrast, Emphasis, Movement, Pattern, Rhythm, Unity.</p>				
Course Outcome	Impart knowledge in recent trends in colour				
Text Books	<ol style="list-style-type: none"> 1. Chiara Joseph De; Others, Time Savers Standard for Interior Design and Space Planning (2001), Mc Graw Hill, New York 2. Neufert, Ernst (1970), Ernst, Neufert, "Architects Data" by Lockwood and sons, London 				



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	3. Chiara, Francis J.D., and Callender, John
Reference Books	<ol style="list-style-type: none">1. Burden (1984), "Design Presentation", Mc Graw Hill, London.4. The National Building Code (2000), IS Publications, India5. 6. Rao Pratap M, Interior Design Principles and Practice(2005), Standard Publishers, Delhi



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Course Title	DRAFTSMANSHIP-I				
Course Code	BSCID103T				
Course Credits	L	T	P	TC	
	3	1	-	4	
Prerequisites	To enable the students to <ul style="list-style-type: none"> Understand the importance of draftsmanship. 				
Course objectives	This course will enable students to: <ul style="list-style-type: none"> Develop skill in using different drafting tools 				
Course Contents	<p>UNIT-I</p> <p>Introduction to draftsmanship - Drawing office organization, layout of drawing studio. Need for training the draftsman, Duties of draftsman, Determining needs and wishes of the client. Relationship between two dimensional and three dimensional diagrams.</p> <p>UNIT-II</p> <p>Drafting tools and Techniques –Importance of tools, Drawing tools and their uses, Instrument box; Techniques adopted in handling tools, Types of scales, Tools for curves and irregular forms . Drafting medium - Tracing paper, tracing cloth, sketch paper, vellum, polyester film.</p> <p>UNIT-III</p> <p>Layout of drawing sheets and title block. Lines – types of lines, thickness of lines, hatching of section. Lettering – requirements of good lettering, size of letters and numerals, space between letters, recommended height of letters, lettering technique.</p> <p>UNIT-IV</p> <p>Dimensioning – general principles, precaution in dimensioning, method of placing dimensions, unit of dimensioning, method of executing dimension, arrow heads.</p> <p>UNIT-V</p> <p>Geometrical constructions. Technical sketching – introduction – importance of freehand sketching, principles of free hand sketching</p>				
Course Outcome	At The End Of The Course Student Will Be Able To:- <ol style="list-style-type: none"> Learn to use various lines, to develop a drawing. 				



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	2. Understand the importance of free hand sketching
Text Books	<ol style="list-style-type: none">1. Birdie. G.S and Birdie.J.S (2003), Civil Draughtsmanship, Theory and Practice. Dhanpat Rai Publishing company (P) Ltd., New Delhi.2. Venugopal.K. (2004) Engineering Graphics,5th edition, New Age International Publishers, New Delhi.
Reference Books	<ol style="list-style-type: none">1. Pratap. R.M (1988), Interior Design, Principles and Practice, Standard Publishers, distribution, Delhi.2. Natrarajan.K.V (1994), A Text book of Engineering Drawing, self – publication, Chennai.



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Course Title	BUILDING MATERIALS-L				
Course Code	BSCID104				
Course Credits	L	T	P	TC	
	3	1	-	4	
Prerequisites	To know the basic materials used in construction				
Course objectives	This course will enable students to: <ul style="list-style-type: none"> •To understand the importance of Materials in interiors 				
Course Contents	<p>UNIT- I</p> <p>Brick: Qualities of good brick Field test, terminology Precautions to be taken in brick laying & size.</p> <p>UNIT-II</p> <p>Stone: Classification Qualities of good stone, Laying, Dressing Different textures and applications.</p> <p>UNIT –III</p> <p>Sand: Types and application Timber: Types Cross sections of exogenous tree Defects in timber Seasoning Application in interior Application of artificial timber e.g. veneers plywood.</p> <p>UNIT- IV</p> <p>Cement: Types Field test for cement</p>				



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	<p>Application of cement Mortar: Types, Application</p> <p>UNIT- V</p> <p>Partition wall: Brick partition, plywood partition, glass partition, metal partition, fiber, steel, aluminum, pre-cast slab partition, decorating ideas, and care and maintenance.</p>
Course Outcome	<p>At The End Of The Course Student Will Be Able To:-</p> <p>To understand the methods of its usage in interiors.</p>
Text Books	<ol style="list-style-type: none">1. W. B Mickey – Building Construction Vol 1 and 3 – Longmans, UK 19812. S.C. Rangawala – Engineering Materials – Charotar Publishing, Anand3. R. Chudley – Building Construction Handbook- BLPD, London 1990
Reference Books	<ol style="list-style-type: none">1. Harold B Olin – Construction Principles, Materials and Methods – IFE, Chicago, 1980.5. Dr B.C Punmia – Building Construction



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Course Title	GRAPHICS& BASIC DRAWINGS				
Course Code	BSCID105				
Course Credits	L	T	P	TC	
	-	-	6	3	
Prerequisites	To Enable Students To Learn The Different Views Of An Object				
Course Objectives	<ul style="list-style-type: none"> To Develop Skills To Make Various Projections 				
Course Contents	<p>UNIT- I Introduction To Graphic Standards For Architectural Practice, Architectural Symbols, Structural Symbols, Their Relevance In Building Design And Detailing, Graphic Techniques For Drawing Views, Plans, Elevations And Sections Of Building Material And Components, As Per Standard Architectural Practice. General Understanding Of Graphic Design And Integration With Architecture, Role Of Graphic Design In A Building Project.</p> <p>UNIT- II Introduction To Scales, Types Of Scales, Application In Drawing And Its Advantages. Dimensioning - General Principles, Pre-Cautions In Dimensioning, Method Of Placing Dimensions, Unit Of Dimensions, Methods Of Executing Dimensions, Arrow Heads.</p> <p>UNIT- III Orthographic Projections - Introduction, Types, Theory Of Orthographic Projection, Multiview Orthographic Projection, Method Of Drawing Sections, First Angle And Third Angle Of Projection And Importance And Its Application In Design And Development Of Surfaces. Plan, Elevation And Sectional Drawings.</p> <p>UNIT- IV Axonometric Projections And Oblique Projection - Introduction, Theory, Methods And Its Importance In Interiors. Isometric - View And Projections And Its Applications.</p> <p>UNIT- V Lines - Types Of Lines, Thickness Of Lines, Hatching Of Sections. Lettering - Introduction, Requirement Of Good Lettering, Size Of Letters And Numerals, Space Between Letters, Recommended Height Of Letters, Lettering Techniques - Single Stroke Vertical Letters, Architectural Letters And Block Letters.</p>				



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Course Outcomes	At The End Of The Course Student Will Be Able To:- To make Students ware of the Graphics& Basic Drawings
Text Books	<ol style="list-style-type: none">1. Charles George Ramsey, Harold Reeve Sleeper, “Architectural Graphic Standards”, John Wiley & Sons, Student edition, 2008.2. Ivo D Drpic, “Sketching and Rendering of Interior Space”, Watson - Guptill, 1988.
Reference Books	<ol style="list-style-type: none">1. Maureen Mitton, “Interior Design Visual Presentation: A Guide to graphics”, John Wiley & Sons, 5th edition, 2018.2. Mogali Delgade Yanes, Ernest Redondo Domínguez, “Freehand drawing for Architects and Interior Designers”, W. W. Norton & Company, 2005.



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Course Title	DESIGN FUNDAMENTALS				
Course Code	BSCID106				
Course Credits	L	T	P	TC	
	-	-	6	3	
Prerequisites	Understand the elements and principles of design.				
Course objectives	<p>This course will enable students to:</p> <ul style="list-style-type: none"> To learn the basics of art element, principles and their applications in the creation of new design 				
Course Contents	<p>UNIT- I</p> <p>Application of elements of art - line, form, colour, shape and texture in interiors design.</p> <p>UNIT- II</p> <p>Application of principles of design in balance, proportion, rhythm, harmony and emphasis in interior design.</p> <p>UNIT- III</p> <p>Application of design principles in two-dimensional and three-dimensional compositions, visual analysis of built forms - analysis of solids and voids, conversion of 2D drawing to 3D, sketching and drawing of design composition using grids, symmetrical/asymmetrical, rule of thirds, center of interest etc.</p> <p>UNIT -IV</p> <p>Basic anthropometrics - Measurements of human body in different postures - its proportion and graphic representation, application in the design of simple furniture.</p>				
Course Outcome	<p>At The End Of The Course Student Will Be Able To:-</p> <ul style="list-style-type: none"> Impart knowledge in recent trends in colour 				
Text Books	<ol style="list-style-type: none"> Ahmed A Kasu, “An Introduction to Art, Craft, Technique, Science & Profession of Interior Design”, Ashish Book Centre, Mumbai, India, 2005. Caroline Clifton-Mogg, et. al., “The complete Home Decorator”, Conran 				



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	Octopus, 1995.
Reference Books	<ol style="list-style-type: none">1. Faulkner S, Faulkner R N, "Inside Today's Home", Holt, Rinehart & Winston, 1968.2. Harriet Irene Goldstein, Vetta Goldstein, "Art in Everyday life", MacMillan Publication, 1932.3. Pratap R M, "Interior Design Principles and Practice", Standard Publications, Delhi, 2012