

Shri Rawatpura Sarkar University, Raipur



Examination Scheme & Syllabus

for

B.Sc. In Interior Design

Semester – III

(Effective from the session: 2022-23)



Three Years M.Sc. Interior Design Programme

Scheme of Teaching and Examination

B.Sc. ID Third Semester

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	BSCID301T	Colour and Lighting	3	1	-	4	30	70	100	3
2	BSCID302P	Auto CAD Practical	-	-	6	3	30	70	100	3
3	BSCID303T	Interior Design Studio and Building system Technology-I	3	1	-	4	30	70	100	3
4	BSCID304P	Residential Space Planning	-	-	6	3	30	70	100	3
5	BSCID305T	Draftsmanship -II	3	1	-	4	30	70	100	4
6	BSCID306T	Elective	3	1	-	4	30	70	100	4
						22			600	

L-Lecture

T-Tutorial

P- Practical

Elective –I

● **Basics of Interior Design-I**

● **Group Project:**

Presentation Of A Case Study Of Live Project-IIp



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Course Title	COLOUR AND LIGHTING				
Course Code	BSCID301T				
Course Credits	L	T	P	TC	
	3	1	-	4	
Prerequisites	Learn the concepts of colour and lighting.				
Course objectives	<p>This Course Will Enable Students To:</p> <ul style="list-style-type: none"> • Learn skills in using colour and light in functional context. 				
Course Contents	<p>UNIT-I</p> <p>Concept Of Colour - Significance Of Colour In The Interiors And Exteriors Dimensions Of Colour –Hue, Value, Intensity, Effects Of Hue, Value And Intensity. Colour Therapy.</p> <p>UNIT-II</p> <p>Colour Systems - Prang, Munsell And Ostwald. Planning Colour Harmonies Related And Contrasting. Non-Mechanical – Readymade And Nature Based. Factors Considered In Selecting Colour Harmonies.</p> <p>UNIT-III</p> <p>Application Of Colour Harmonies In The Interiors And Exteriors, Effect Of Light On Colour, Illusion Of Colour, Psychology Of Colour, Effect Of Colour On Each Other.</p> <p>UNIT-IV</p> <p>Importance Of Lighting, Sources – Natural And Artificial Lighting, Types – Based On Material, Reflection, Architectural Elements And Uses. Specific Factors In Lighting – Measurements Of Lighting, Location And Direction, Size And Shape, And Colour. Economy In Lighting, Psychological Aspects Of Light, Glare - Its Types, Causes And Prevention.</p> <p>UNIT-V</p> <p>Lighting Accessories – Selection Of Lamps And Lighting Fixtures, Lighting For Various Areas And Specific Activities, Modern Features In Lighting Design. Principles Of Lighting</p>				



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Course Outcome	At The End Of The Course Student Will Be Able To:- Impart knowledge in recent trends in colour and lighting..
Text Books	<ol style="list-style-type: none">1. Faulkner, R. and Faulkner,S.(1987), Inside Today's Home, Rine Hart Publishing Company, Newyork.2. Judy,M.,(1994), How to See, How to Paint it, Harpen Colling Publishers,London.
Reference Books	<ol style="list-style-type: none">1. Jan Orcharchd (1993), Lighting for a Beautiful Home, Dunestyle Publishing Ltd.,U.S.A.2. Seetharam, P and Pannu, P.Interior Design and Decoration, CBS Publishers and distributors, New Delhi.3. Stewart and Sally .W., (1997), The Complete Home Decorator, Annes publishers Ltd.,New york.



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Course Title	AUTO CAD PRACTICAL				
Course Code	BSCID302P				
Course Credits	L	T	P	TC	
	-	-	6	3	
Prerequisites	Understand The Importance Of AUTO CAD				
Course objectives	To Enable The Students To Learn To Draw Simple Floor Plan Using Autocad Commands.				
Course Contents	<p>UNIT-I</p> <p>Introduction to Auto CAD - Auto CAD system requirements, AutoCAD GUI-Title bar, Menu bar, Standard tool bar, Object properties tool bar, Draw tool bar, Modify tool bar, UCS, Layout tab, Command Entry, Status bar, Task bar, General commands - New, open, save, save as, close, exit.</p> <p>UNIT-II</p> <p>Point fixing methods-line using absolute co-ordinate system, relative rectangular coordinate system and relative polar co-ordinate system, circle, arc, ellipse, rectangle, polygon.</p> <p>UNIT-III</p> <p>Modification tools-Erase, copy, move, scale, rotate, trim, extend, array, offset, mirror, break, stretch.</p> <p>UNIT-IV</p> <p>Drafting settings, function keys, text, text style, text edit, multi text, colour, line type, line weight.</p> <p>UNIT-V</p> <p>Advanced tools - zoom, pan, view, solid, donut, fillet, chamfer, layering concept.</p>				
Course Outcome	<ul style="list-style-type: none"> • Learn to draw floor plan with settings. 				
Text Books	<ol style="list-style-type: none"> 1. Teach Yourself Auto CAD, GIBBS, BPE Publication New Delhi. 2. Inside Auto CAD. 				
Reference Books	<ol style="list-style-type: none"> 1. Omura, G. 2005, Mastering Auto CAD 2005 and Auto CAD LT 2005, BPB Publications, New Delhi. 2. Saxena, S. (2003), A first Course in Computers, Vikas Publishing house, New Delhi 				



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Course Title	INTERIOR DESIGN STUDIO AND BUILDING SYSTEM TECHNOLOGY-I				
Course Code	BSCID303				
Course Credits	L	T	P	TC	
	3	1		4	
Prerequisites	Know the various materials used in construction.				
Course objectives	<p>This course will enable students to:</p> <ul style="list-style-type: none"> Understand the methods of interior construction techniques 				
Course Contents	<p>UNIT-I Building materials and finishes - Types and uses of stone, brick, timber, cement, mortar, concrete, plastics, glass, wood based materials, metals - ferrous and nonferrous, wall, floor and ceiling finishes.</p> <p>UNIT-II An introduction to various construction techniques in interiors. Foundation – Deep and Shallow, Brick bonds -stretcher, header, English and Flemish. Arches, Lintels, flooring, roofing, ceiling.</p> <p>UNIT-III Details of doors, windows, cupboards, claddings, partitions and joineries.</p> <p>UNIT-IV Vertical Transportation- Staircase, Lifts, Escalators, Ramps and Vertical conveyors.</p> <p>UNIT-V Rain water harvesting – meaning, purpose, Benefits of using rainwater, components of rain water harvesting system, Methods-surface runoff and roof top rain water harvesting.</p>				
Course Outcome	<p>At The End Of The Course Student Will Be Able To:-</p> Impart knowledge in recent trends in colour and lighting				



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Text Books	<ol style="list-style-type: none">1. Rangawala, S.C Engineering Materials, Charter publishing house, Anand 1963.2. Rangawala, S.C, Building construction, Charter publishing house, Anand 1963
Reference Books	<ol style="list-style-type: none">1. Rangawala .S.C., Water supply and sanitary Engineering, Publishing house, Roorkee.2. Pratap R.M (1988) Interior Design Principles and Practice, Standard Publishers Distribution, Delhi.



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Course Title	RESIDENTIAL SPACE PLANNING				
Course Code	BSCID304P				
Course Credits	L	T	P	TC	
	-	-	6	3	
Prerequisites	Understand the concept of space				
Course objectives	This course will enable students to: <ul style="list-style-type: none"> • Comprehend the principles of house planning 				
Course Contents	<p>UNIT-I Space for Living – concept of life space – meaning of Macro, Micro and Meso environment, proteomics and personal space, Territoriality, claustrophobia and Agoraphobia, crowding, planning objectives and life space – site analysis and orientation.</p> <p>UNIT-II Concept of Housing - Functions of a house, factors determining housing. Housing problems in India – causes and remedial measures. Desirability of owning and renting.</p> <p>UNIT-III Types of plans used by an architect. Allocation of space for various activities – social space, work space, private space and traffic space. Drafting house plan for various income groups. Reading and judging house plan.</p> <p>UNIT-IV Need for standardization in housing, Types of standards, role of BIS. Legal restrictions in housing – plot, easement, zoning law, Building law.</p> <p>UNIT-V Finance and Institutional support for housing – NEERI, NBO, CBRI, SERC, LIC, Banks, HDFC and HUDCO.</p>				
Course Outcome	At The End Of The Course Student Will Be Able To:- Learn to draw house plan.				
Text Books	1. Chaudhari, S.N. 2006, Interior Design. Aavishkar Publishers, Jaipur. 2. Kasu, A.A. 2005, Interior Design, Ashish Book Centre Delhi.				



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Reference Books	<ol style="list-style-type: none">1. Sharma, G. and Khana, G. Advanced Interior Designing Incorporating Vaastu and Feng – Shui, Indica Publishers, Delhi.2. Faulkner, S and Faulkner, R (1987), Inside Today's Home, Rinehart Publishing Company, New york
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Course Title	DRAFTSMANSHIP-II				
Course Code	BSCID305				
Course Credits	L	T	P	TC	
	3	1		4	
Prerequisites	. Learn the different views of an object.				
Course objectives	This course will enable students to: <ul style="list-style-type: none"> • Develop skill to make various projections. 				
Course Contents	<p>UNIT-I</p> <p>Symbols – Meaning, importance; Architectural symbols, structural symbols, door symbols, window symbols.</p> <p>UNIT-II</p> <p>Plumbing -Water supply – In residential building, multi-storied buildings. Sanitation – traps, waste water disposal-inspection chamber, septic tank and ventilation systems, sanitary fixtures and fittings, plumbing systems. Plumbing practice – plumbing symbols and drainage plan. House wiring - electrical symbols, residence wiring diagram, planning of electrical installation of a building</p> <p>UNIT-III</p> <p>Orthographic projection – theory of orthographic projection, multi view orthographic projection, method of drawing section.</p> <p>UNIT-IV</p> <p>Isometric view – need for study, pictorial drawings, isometric projection - definition, principles, characteristics, isometric view and isometric projection.</p> <p>UNIT- V</p> <p>Perspective view - theory of perspective projection, technical terms in relation with perspective, classification of perspective, methods – one point perspective and two point perspective.</p>				



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	Rendering Techniques - Tools used in rendering- pencil, eraser, short-bristled stipple brush, mechanical lines. Different textures, materials used in buildings, floor finishes, shadows.
Course Outcome	At The End Of The Course Student Will Be Able To:- Understand the importance of free hand sketching.
Text 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.
Reference 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 Delhi2. Venugopal.K. (2004) Engineering Graphics, 5th edition, New Age International Publishers, New Delhi.



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Course Title	● ELECTIVE I – (A) BASICS OF INTERIOR DESIGN-I				
Course Code	BSCID306				
Course Credits	L	T	P	TC	
	3	1		4	
Prerequisites	Learn the basic concepts of interior design.				
Course objectives	<p style="text-align: center;">Upon completion of the course the student shall be able to</p> <ul style="list-style-type: none"> ● Develop the skill of applying the principles of design in decorating the interiors 				
Course Contents	<p>UNIT – I Design – Meaning and Definition, Types – Structural and Decorative design, their characteristics, classification of decorative design.</p> <p>UNIT – II Elements of Design – Meaning, various elements – line, form and shape, size, color, texture, pattern, space, light.</p> <p>UNIT – III Principles of Design – Harmony, Balance, Rhythm, Emphasis, proportion. Application of design principles in interiors.</p> <p>UNIT- IV Colour in the home –concept, qualities – Hue, value, intensity. Classification of colors, Prang color system, color harmonies – Related and contrasting color harmonies, psychology of color. Application of colour in interiors.</p> <p>UNIT – V Lighting in interiors – importance, classification based on sources, uses, illumination, factors to be considered in lighting for different areas of house.</p>				
Course Outcome	Understand the importance Basics of Interior Design				



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Text Books	<ol style="list-style-type: none">1. Varghese and Ogale, 1994, Home Management, Wiley Eastern, New Delhi.2. Faulkner, S.-and Faulkner,R,(1987), Inside Today's Home, Rinehart Publishing Company, New York.3. Caroline Clifton et. al., The complete Home Decorator, Portland House New York
Reference Books	<ol style="list-style-type: none">1. Seetharaman, P and Pannu, P. Interior Design and Decoration, CBS Publishers and Distributors, New Delhi.2. Pratap R.M (1988), Interior Design Principles and Practice, Standard Publishers Distribution, Delhi



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Course Title	● ELECTIVE I – (B) Group Project: Presentation Of A Case Study Of Live Project-IIp				
Course Code	BSCID306				
Course Credits	L	T	P	TC	
	-	-	6	3	
Course Contents	Simple Project: Students will work in small groups and learn how to approach to simple problems in the system. This project will help them to apply the skills learnt in previous and current semesters.				



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