

**Shri Rawatpura Sarkar University,
Raipur**



Examination Scheme & Syllabus

for

**M.Sc. In Interior Design
Semester – I**

(Effective from the session: 2022-23)



Two Years M.Sc. In Interior Design Programme

Scheme of Teaching and Examination

M.Sc. ID Ist 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	MSCID101T	Research Methods & Statistic	3	1	-	4	30	70	100	3
2	MSCID102T	Construction Material And Furniture Design	3	1	-	4	30	70	100	3
3	MSCID103T	Light And Colors In Interior Design	3	1	-	4	30	70	100	3
4	MSCID104T	Building Construction For Interior Designers	3	1	-	4	30	70	100	3
5	MSCID105P	Vastu –I	-	-	6	3	30	70	100	4
6	MSCID106P	Furniture –I	-	-	6	3	30	70	100	4
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Course Title	RESEARCH METHODS & STATISTIC				
Course Code	MSCID101T				
Course Credits	L	T	P	TC	
	3	1	-	4	
Prerequisites	The aim of the course is to orient the students about the basic concepts, constructs and principles in scientific approach to research..				
Course objectives	<ul style="list-style-type: none"> The course is designed to help the learners understand the fundamentals of research process 				
Course Contents	<p>UNIT-I</p> <p>'The Research Process- Scientific approach to enquiry in comparison to native, Common sense approach Knowledge, theory and research -Research Design -Steps in the Research Process - hypothesis and types of hypothesis Hypothesis testing-null hypothesis, sample distribution, level of significance - types of Research</p> <p>UNIT- II</p> <p>Data Collection- Primary and secondary methods of data collection -Different types of questionnaires, tools for data Collection -Procedure for data collection • Planning for data analysis coding of response- coding of data –Parametric and non-parametric tests -Use of statistical tools</p> <p>UNIT- III</p> <p>Introduction to Statistics Quantitative analysis, descriptive statistics, inferential statistics- Measures of central tendency mean? Median, mode-arithmetic mean -and its Uses, mid range, geometric mean, weighted mean -Measures of dispersion /variabilityyrange, variance, standard deviation, standard error, coefficient of variation, Kurtosis, skewness Normal Distribution- Binomial distribution - Probability, use of normal probability tables, are under normal distribution curve</p> <p>UNIT- IV</p> <p>Correlation and 'Regression and its interpretation– liner regression and correlation Coefficient–Regression and prediction -Rank correlation, Product-moment method Chi square Test and its interpretation -General features goodness off it-Analysis of variance and its Interpretation</p> <p>UNIT -V</p> <p>Presentation of Data– tabulation and Organization of data-frequency distributions, cumulative frequency distribution contingency tables -Graphical presentation of data- The! Research Report Basic components of a resear.</p>				



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Course Outcome	<ul style="list-style-type: none">• Prepare a project proposal to apply for grant from a funding agency
Text Books	<ol style="list-style-type: none">1. Jain. G. (1998): Research Methodology: Methods And Techniques, Mangal Deep, Jaipur.2. 2. Kothari, C.R, (2000) Research Methodology: Methods End Techniques Wishwa Prakashan, New Delhi
Reference Books	<ol style="list-style-type: none">1. Gupta, s (2001)"Research Methodology and Statistical Techniques", Deep and Deep, New Delhi2. Holloway, I. (1997); Basic Concepts of Qualitative Research, Blackwell Science, London.



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Course Title	CONSTRUCTION MATERIAL AND FURNITURE DESIGN				
Course Code	MSCID102T				
Course Credits	L	T	P	TC	
	3	1	-	4	
Prerequisites	Introductory speech on construction material and furniture design				
Course objectives	<ul style="list-style-type: none"> The course explores topics role of interior design 				
Course Contents	<p>UNIT-I Different type of construction materials used in Interiors- structural systems and different type of techniques used in construction -properties trends and usability of the material and its cost.</p> <p>UNIT-II Walls & wall finishes: Interior walls classification· Wood, glass,-Paints, tiles -Terra cotta, marble wash, Metals, -(stone finishes), selection, laying -cost, estimation, care and maintenance -Exterior walls stones, rubble tiles, fresco, plaster of Paris, murals glass and metals, paints and plastering-Selection, laying, care and maintenance</p> <p>UNIT-III Floors and Floor finishes: interior floors Mud, cement, brick granolithic, terrazzo, mosaic, tiled. marble, timber rubber, cork, glass plastic or PVC floors -Floor coveringrugs and carpets selection, lying, care and maintenance • exterior floor - Concrete slabs, tiles</p> <p>UNIT-IV Roofs: Classification of roofs-Flat and pitched -Materials used for interior roofs, plastering, Embossing, fresco, plaster of Paris, plastic, Kerala tiles, wooden paneling, glass, false ceilings, selection, care and maintenance joineries -Doors, windows, cupboards-types, materials used, Estimating the cost of construction</p> <p>UNIT-V Design and techniques used in construction of Single bed with side table -Wardrobe Design- Study tables -Wall units -Kitchen Platform -Conference Table -Reception Table -Partition and Paneling -Display Counter</p>				
Course Outcome	<ul style="list-style-type: none"> Understand the basics of construction material and furniture design 				



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Text Books	<ol style="list-style-type: none">1. Diwan 'S (1999): Sanskruti-A manual of interior Design.2. R 'Barry, the Construction of Building Vol. I, II, IV ELBS Publication.3. 1. Arora, S.P., 'Binddra, S.P. 2005, A Text book of building Construction Dhanpat Rai Publication (P) Ltd., New Delhi.
Reference Books	<ol style="list-style-type: none">1. Rangwala S.C, 'Building Construction, Charotta Pub, Anand2. B.C. Purnima, Building Construction, Laxmo Publication3. Sushil Kumar, Building Construction, Laxmo Publication.4. Francis D.K. Ching, Building Construction III ustrated Van norlend



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Course Title	LIGHT AND COLORS IN INTERIOR DESIGN				
Course Code	MSCID103T				
Course Credits	L	T	P	TC	
	3	1	-	4	
Prerequisites	This course aims to enable the students in the area of Light with Colors				
Course objectives	This course will enable students to: This course will explore the innovative ideas to the students in the field of Light and Colors design that applicable to interiors.				
Course Contents	UNIT- I Light: aspects of lighting – physical psychological aspects, color of light color rendition daylight artificial light brightness the visual environment- study of day lighting as a means of providing light within built spaces. Day visual perception and light basic artificial lighting sources, light and visual effects, light revealing architecture designing for artificial lighting quantity and quality integration with daylight ting, computer simulation programs that aid artificial lighting design. UNIT- II Light distribution, intensity & diffusion, light & visual effect, lighting & conservation, lighting as a system lamping, beam spread, color effects, illumination and calculation, and light manipulation, electricity, electrification systems, voltage, wiring, breakers, fuses and. Lighting fixture and fitting types, output, efficiency & cost. UNIT- III Types of lamps- Incandescent, fluorescent & HID lamps, their lighting characteristics & applications. Illumination levels and various tasks and distribution of luminaries for better lighting in the interiors space-transforming light techniques in an apartment, retail store, exhibition space. Design of lighting for various spaces like restaurants, hotel lobbies, institutes, halls, offices and transit facilities. UNIT- IV Color- history of color, effect of colors, color, mixing, color dynamics, color planning in design. Various color system- Muncell system, Oswald system, DIN system, QAS system, color aid system- color system in practice, color terminology, analysis of color wheel, color schemes, psychological- impact of colors, special color issues mixed color effects, effect of texture. UNIT- V Use of colors in various functional contexts; color in historic interiors, color in current practice. Selection of colors for various spaces like restaurants, hotel lobbies, institutes, halls, offices and transit facilities.				
Course Outcome	At The End Of The Course Student Will Be Able To:- Students Will Be Able To Use Light and Colors In Interior Design				



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Text Books	<ol style="list-style-type: none">1. Robbins C.L. (1986) Day lighting Design And Analysis Van No strand Reinhold Co2. . Egan M. David (1983) Concepts In Architectural Lighting Mcgraw Hill Book Company3. Jankowski Wanda Lighting (1993) PCB International New York
Reference Books	<ol style="list-style-type: none">1. Color Scheme Bible – Anna Starmer2. Color Notation - Munsell3. Introduction To Color – R.M. Evans



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Course Title	BUILDING CONSTRUCTION FOR INTERIOR DESIGNERS				
Course Code	MSCID104T				
Course Credits	L	T	P	TC	
	3	1	-	4	
Prerequisites	This course aims to learn the dimensions and the availability of designs used for Building Construction For Interior Designers				
Course objectives	This course will enable students to: Design of art Objects to decorate the Interior of Building				
Course Contents	<p>UNIT- I Elements Of The Building And Building Materials. Construction Regulations, Building Regulations, Site Security, Material Storage. Architectural Symbol, Building Methods, Bonds, Wall Thickness, Openings. Foundation: Types Of Foundations, Objectives, Rcc Footing, Sbc Of Soil.</p> <p>UNIT- II Building System- Bearing Walls, Skeleton, Shell Construction Constructional Details For Bearing Wall Building (Bricks And Stones), Partitions, Reinforced Brick Work.</p> <p>UNIT- III Construction Details For Lintels And Arches, Vaults And Domes, Scaffolding, From Work- Erection Of From Work For Slab, Rcc Columns, Beams, Damp Proofing, Water Proofing AntiTermite Treatments, Heat And Sound Insulation.</p> <p>UNIT- IV Expansion And Settlement Joints-Purpose And Function. Retaining Walls, Stairs, - Details With Erection Requirements, Internal Sanitary Installations, Internal And External Finishes.</p> <p>UNIT- V Construction Equipments- Transportation Vehicles, Excavating And Dozing Machines Hoists Concrete Mixing Plants, Batching Plants Gas Supply, Gas Fires, Electronic Communications. Prefabrication Of Building Elements, Principle Of Jointing And Principles Of Modular Coordination.</p>				
Course Outcome	At The End Of The Course Student Will Be Able To:- Understand Various Building Construction Materials and Their selection.				
Text Books	<ol style="list-style-type: none"> 1. Ramsey, Sleeper Architectural Graphic Standards, Wiley, Latest Ed. 2. Mitchell, Building Construction, Bastsford, Latest Ed. • Building Construction- Punmia B.C. 				



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Reference Books	<ol style="list-style-type: none">1. Building Construction- Varghese P.C.2. Building Construction- Susheel Kumar.3. Mckay's, Building Construction, Volume One, Longmans, Latest ED
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Course Title	VASTU –I				
Course Code	MSCID105P				
Course Credits	L	T	P	TC	
	-	-	6	3	
Prerequisites	This Course Aims To Develop The Fundamental Knowledge Of Vastu				
Course Objectives	This course enables the students to understand the way of Vastu in a professional design projects.				
Course Contents	<p>UNIT-I</p> <ul style="list-style-type: none"> • Introduction To Vastu • Vastu In Interior <p>UNIT-II</p> <ul style="list-style-type: none"> • The historical Background in Vastu • Necessity of Vastu <p>UNIT -III</p> <ul style="list-style-type: none"> • Is Vastu a Science <p>UNIT -IV</p> <ul style="list-style-type: none"> • Role of Vastu Science in 21 Century <p>UNIT -V</p> <ul style="list-style-type: none"> • Managing Interior with Vastu. 				
Course Outcomes	<ul style="list-style-type: none"> • Well informed in the Vastu . 				
Text Books	<ul style="list-style-type: none"> • Vastu Workbook Using The Subtle Energies of the Indian Art of placement by- Andy Sentard Kindle Edition 				
Reference Books	<ul style="list-style-type: none"> • Auto CAD for Interior Design and space planning using Auto CAD 2000 by- Beverly L. Kirkpat 				



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Course Title	FURNITURE –I				
Course Code	MSCID106P				
Course Credits	L	T	P	TC	
	-	-	6	3	
Prerequisites	This course enables the students to identify the qualities of Furniture				
Course objectives	This course will enable students to: <ul style="list-style-type: none"> • Identify Various Types Of Furnishing, Criteria For Their Selection And Care. 				
Course Contents	UNIT- I <ul style="list-style-type: none"> • Introduction of furniture material • Introduction of furniture UNIT- II <ul style="list-style-type: none"> • Wood furniture with • Types of furniture UNIT- III <ul style="list-style-type: none"> • Geographical world Division • Enigma of furniture UNIT IV <ul style="list-style-type: none"> • Furniture period • Classification of period UNIT- V <ul style="list-style-type: none"> • Historic and period furniture • Oriental furniture • Period furniture. 				
Course Outcome	. This course aims student to understand the way of aesthetic stimulated the design				
Reference Books	Constructing Medieval Furniture: Plans and Instruction with Historical Notes by Daniel Diehl				



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