

**SHIVAJI UNIVERSITY,
KOLHAPUR**



**UNDER THE FACULTY OF INTERDISCIPLINARY
STUDIES – (IDS)**

CHOICE BASED CREDIT SYSTEM (CBCS)

Structure, Scheme, & Syllabus for

**BACHELOR OF DESIGN (B. Des)
(INTERIOR DESIGN)**

PART – II (SEM – III & IV)

**Syllabus to be Implemented from
Academic Year 2021-2022**

(Subject to the modifications that will be made from time to time)

SHIVAJI UNIVERSITY, KOLHAPUR
SECOND YEAR - Bachelor of Design (B. Des) – Interior Design
 Scheme of Teaching and Examination
Semester – III

Sr. No		Course (Subject Title)	TEACHING SCHEME						EXAMINATION SCHEME							
			THEORY			STUDIO			THEORY /CONTINUOUS INTERNAL EVALUATION				EXTERNAL EVALUATION OF TERM WORK		INTERNAL EVALUATION OF TERM WORK	
			Credits	No of Lectures	Hours	Credits	No of Studios	Total Credit	Mode	Marks	Total Marks	Min	Max	Min	Max	Min
1	Int. Design - III	CC -301	1	1	-	4	7	5	CIE	10	10	5	-	-	40	20
									ESE	-	-	-				
2	Furniture Design-I	DSE-302	1	1	-	1	1	2	CIE	10	10	5			40	20
									ESE	-	-	-				
3	Theory of design& Visual Arts-III	CC -303	1	1	-	2	3	3	CIE	10	10	5	-	-	40	20
									ESE	-	-	-				
4	Work shop – III	CC- 304	-	-	-	2	4	2	CIE	10	10	5	-	-	40	20
									ESE	-	-	-				
5	Interior Technology & Material - I	CC- 305*	2	2	-	2	3	4	CIE	10	10	5	-	-	40	20
									ESE	50	50	18				

6	Interior Services - I	CC- 306*	1	2	-	-	-	1	CIE	10	10	5	-	-	40	20
									ESE	50	50	18				
7	Graphics - III	CC-307	1	1	-	2	5	3	CIE	10	10	5	-	-	40	20
									ESE	-	-	-				
8	History- III	CC-308*	1	2		-	-	1	CIE	10	10	5	-	-	40	20
									ESE	50	50	18				
9	Presentation Techniques - I	SEC-309	-	1	-	1	1	1	CIE	10	10	5	-	-	40	20
									ESE	-	-	-				
10	Open Electives – III	OE - 310	-	-	-	-	-	2	CIE	-	-	-			20	10
									ESE	-	-	-				
			8	11		14	25	24			240				380	

Third Semester Total periods per week – 36

(Note – each lecture / studio period is considered of 50 minutes)

*** Means Combine passing for Semester II paper & Sessional work (Int)**

Total credits – 24

Total Marks – 620

Sem – III for Open Elective – 310 Anyone from following

1. Calligraphy
2. Pottery design
3. Style of Interior
Etc..
4. Any other open Electives in each semester are subjected to change as per the need of the industry,
Market and skill requirements as per specific time and syllabus.

CIE- Continuous Internal Evaluation

ESE – End Semester Examination

OE – Open Elective

SHIVAJI UNIVERSITY, KOLHAPUR
SECOND YEAR - Bachelor of Design (B. Des) – Interior Design
 Scheme of Teaching and Examination
Semester – IV

Sr. No		Course (Subject Title)	TEACHING SCHEME						EXAMINATION SCHEME							
			THEORY			STUDIO			THEORY / CONTINUOUS INTERNAL EVALUATION				EXTERNAL EVALUATION OF TERM WORK		INTERNAL EVALUATION OF TERM WORK	
			Credits	No of Lectures	Hours	Credits	No of Studios	Total Credit	Mode	Marks	Total Marks	Min	Max	Min	Max	Min
1	Int. Design - IV	CC -401**	1	1	-	4	7	5	CIE	10	10	5	100	50	90	45
									ESE	100	100	35				
2	Furniture Design-II	DSE-402	1	1	-	1	1	2	CIE	10	10	5	30	15	40	20
									ESE	-	-	-				
3	Theory of design & Visual Arts-IV	CC -403	1	1	-	2	3	3	CIE	10	10	5	100	50	40	20
									ESE	-	-	-				
4	Work shop – IV	CC- 404	-	-	-	2	4	2	CIE	10	10	5	-	-	40	20
									ESE	-	-	-				
5	Interior Technology & Material - II	CC- 405**	2	2	-	2	3	4	CIE	10	10	5	100	50	40	20
									ESE	50	50	18				

6	Interior Services - II	CC-406*	1	2	-	-	-	1	CIE	10	10	5	-	-	40	20
									ESE	50	50	18				
7	Graphics - IV	CC-407*	1	1	-	2	5	3	CIE	10	10	5	-	-	40	20
									ESE	100	100	35				
8	History- IV	CC-408*	1	2	-	-	-	1	CIE	10	10	5	-	-	40	20
									ESE	50	50	18				
9	Presentation Techniques - II	SEC-409	-	1	-	1	2	1	CIE	10	10	5	-	-	40	20
									ESE	-	-	-				
10	Open Electives – IV	OE - 410	-	-	-	-	-	2	CIE	-	-	-			20	10
									ESE	-	-	-				
			8	11		14	25	24			440		330		430	

Fourth Semester Total periods per week – 36

Note – 1. (*) Means combine passing for internal oral & theory paper.

2. (**) Means combine passing for external oral & Theory paper

3. A candidate should obtain min 35% marks in theory exam.

4. Furniture design oral will be assessed along with the External oral of Design IV

Total credits – 24

Total Marks – 1200

Sem – IV for Open Elective – 310 Anyone from following

1. Software Skills for 2 D/ 3D
2. Content writing and docs
3. Advanced product design

Etc..

CIE- Continuous Internal Evaluation

ESE – End Semester Examination

OE- Open Elective

Semester – III

Sr No	Code No	Name of the Subject	Credit
1	CC -301	Int. Design - III	5
2	DSE-302	Furniture Design-I	2
3	CC- 303	Theory of design& Visual Arts-III	3
4	CC- 304	Work shop – III	2
5	CC -305*	Interior Technology & Material - I	4
6	CC- 306*	Interior Services - I	1
7	CC- 307	Graphics -& CAD - III	3
8	CC- 308*	History- III	1
9	SEC -309	Presentation Techniques -I	1
10	OE- 310	Open Elective	2
		Total Credit	24

Semester – IV

Sr No	Code No	Name of the Subject	Credit
1	CC -401**	Int. Design - IV	5
2	DSE-402	Furniture Design-II	2
3	CC- 403	Theory of design& Visual Arts-IV	3
4	CC- 404	Work shop – IV	2
5	CC -405**	Interior Technology & Material - II	4
6	CC- 406*	Interior Services - II	1
7	CC- 407*	Graphics & CAD - IV	3
8	CC- 408*	History- III	1
9	SEC - 409	Presentation Techniques -I	1
10	OE- 410	Open Elective	2
		Total Credit	24

SYLLABUS FOR B. Des – II SEMESTER – III

Title of the Course:	Interior Design –III	L	S	Credit
Course Code:	CC- 301	1	4	5

Course Description:

Students must be able to present a project graphically in a medium and a format that enhance the solution to a design problem and communicate clearly to the audience. In this studio course, students will learn to use a variety of tools and the vocabulary to present their designs in the most effective way.

- Studies on multi-functional spaces.
- Design of medium to large space of medium complexity (several functions together) like Bungalow, Studio apartments, Duplex flats etc.
- Site visits: Site visits to complete buildings pertaining to design problems, group discussions among students, special discussions shall also be arranged with senior students, students should also play roles of clients, contractors and consultants.
- Study of groups of objects forms, masses with basic geometric forms, their compositions, for two- and three-dimensional study in relation with Basic Design.

Course Outcomes:

- Apply & develop theory of design in the planning of space.
- Apply & develop creativity in interior space planning
- Design a large space of 300 sqm for residential, commercial space by application of theory of design.
- Apply material for the interior space planning.

Teacher Assessment:

Assessment	Marks	Pass
CIE	10	5
ESE	-	-
Internal Evaluation	40	20
External Evaluation	-	-

Course Contents:

The student will be able to:

Unit 1 Use a variety of drawing media for effective communication of design development & Solution.

Unit 2 Understand and discuss the interior environment in the context of the exterior,

Unit 3 Discuss and orally present how artifacts enhance and reflect in concept of the design.

Unit 4 Explore a variety of manual visual presentation techniques.

Improve verbal presentation skills through daily informal presentations of renderings.

SYLLABUS FOR B. Des – II SEMESTER – III

Title of the Course:	Furniture Design -I	L	S	Credit
Course Code:	CC- 302	1	1	2

Course Description:

Way of analyzing furniture forms and designing furniture forms scientifically based on ergonomics materials design and working parameters and visual perception of furniture as a single form and as system in a given interior space.

1. Case study of a particular furniture type

- Detailed Measurements
- Understanding the functions & activity
- Identifying the design scope & limitations.

2. Developing of a particular furniture type

- Identifying the furniture & activity
- Define the material & Aesthetics aspects
- Furniture the design data to ergonomics

Course Outcomes:

- Analysis furniture form;
- Design furniture form based on ergonomics, materials, designs and working parameters;
- Draw visual perception of furniture.

Teacher Assessment:

Assessment	Marks	Pass
CIE	10	5
ESE	-	-
Internal Evaluation	40	20
External Evaluation	-	-

Course Contents:

Unit 1 Understanding the critical issues of human anthropometrics, ergonomics

Unit 2 details and aesthetics through model's mockup and prototypes.

Unit 3 Small pieces of furniture design in residential spaces. Like designing a sitting element, cabinets, etc.

Unit 4 Full-size drawings and prototype to understand critical nature of each and every dimension, detail and its comfortable value with material used.

SYLLABUS FOR B. Des – II SEMESTER – III

Title of the Course:	Theory of Design & Visual Arts -III	L	S	Credit
Course Code:	CC- 303	1	2	3

Course Description:

The course explores the relationships between interior discourse and the visual arts from the historical avant-garde to the present. Interior discourse will be considered as the intersection of diverse systems of representation: buildings, projects, drawings, but also interior theory and criticism, exhibitions, photographs, professional magazines, and the popular press. The course treats as visual arts not only painting and sculpture, but also photography, cinema, fashion, advertisements, and television.

Course Outcomes:

- Analyze the visual arts with respect to theoretic, discursive, analytic and critical aesthetics;
- Develop visuals in different forms;
- Demonstrate skills for applying techniques, technology and hand skills

Teacher Assessment:

Assessment	Marks	Pass
CIE	10	5
ESE	-	-
Internal Evaluation	40	20
External Evaluation	-	-

Course Contents:

The content must stress on three areas.

Unit 1 Intellectual – theoretic, discursive, analytic, critical aesthetics.

Unit 2 Visual – two and three dimensional, black and white & color, DVDs and CDs on art films, films on artists, even feature films known for excellence in the visual.

Unit 3 Skills – techniques, technology, skills of doing things by hand, traditional crafts etc.

Unit 4 History of Fine Arts, study of Isms.

Student's work may be seen to build an "Art Thesis" of sort, after a series of works in studio, workshops, time problems, as well as collective efforts in installations etc. coupled with short theoretical assignments which improve the overall perception of arts.

SYLLABUS FOR B. Des – II SEMESTER – III

Title of the Course:	Workshop – III	L	S	Credit
Course Code:	CC- 304	-	2	2

Course Description:

Understand material and tools by making objects which allow students to explore forms, surfaces, textures, and patterns. Explore different joinery, support conditions and woven surfaces under trained experienced master craftsman. Also clear to communicate and establish dialogue between designed crafts skills.

Understand and improve imaginations through visual art by modeling object of variety of materials to enhance the knowledge of surface, texture, forms. Clean communication to be established through activities in between design and craftsmanship. A cultural orientation may be divided to integrate with current requirement of profession.

Course Outcomes:

- Prepare block models, preliminary models and finished models by using metal, plaster of Paris;
- Use tools and develop hands on skills to use materials for preparing models;
- Demonstrate/apply the principle of surface forming, texture and forms.

Teacher Assessment:

Assessment	Marks	Pass
CIE	10	5
ESE	-	-
Internal Evaluation	40	20
External Evaluation	-	-

Course Contents:

Unit 1 To understand & experience with all types of materials in interior space designing -like Wood, Clay, Metal, Plaster of Paris etc.

Unit 2 Implementation and hands on experience of above said Material in Interior space designing.

Unit 3 Preparation of Block models, Preliminary models & finish models for Interior space Design.

Unit 4 The Above units should be effectively linked with Interior space design and more stress will be laid on industry linkages for training and hands on experience.

SYLLABUS FOR B. Des – II SEMESTER – III

Title of the Course:	Interior Technology & Material – I	L	S	Credit
Course Code:	CC- 305*	1	3	4

Note: - (*) Means Combined passing for Internal & Theory exam.

Course Description:

This course introduces students to the art and science of building. Emphasis will be placed gaining an understanding of construction materials, methods and the process of translating design ideas into built form. Specific topics are introduced each week. These topics are then further, various design strategies, materials, fabrication techniques, and didactic built works are explored. As both a qualitative and a basic quantitative understanding of elementary systems are mastered, the curriculum shifts its focus onto increasingly complex systems serving entire buildings. The sequence's last two courses develop an understanding of how technical-utilitarian systems are resolved, integrated with other systems. The material in class requires students to have some experience and understanding of architectural design, drawings and details.

Course Outcomes:

- Apply knowledge of construction material, methods and processes to transform idea in to design;
- Develop the design for staircase, upholstery materials and partition and paneling;
- Compare different design suiting the purpose/functions and principles of design

Teacher Assessment:

Assessment	Marks	Pass
CIE	10	5
ESE	50	18
Internal Evaluation	40	20
External Evaluation	-	-

Course Contents:

Unit 1 STAIRCASES

Types of staircases- materials used- wooden, Ms. etc. construction.

Unit 2 UPHOLSTRY & ITS CONSTRUCTION.

Materials used as upholstery-cotton, synthetic, [rexins, foam leather,]-different types of frames used for upholstery like wooden, plywood, metal, composite frames.

Unit 3 PARTITION

- Construction of partitions in interior space designing with different materials like - Ply, Glass, Clay Products, Bricks, Concert blocks, gypsum, etc.
- types partition. Full / half Hight partitions, Single skin / double skin partitions-, introduction to factory made modular & ready to assemble partitions, dry walls, etc..

Unit 4 PANELLING

Construction of paneling in interior space designing with different materials used for paneling- Ply, Glass, Gypsum, P.O.P, etc.

SYLLABUS FOR B. Des – II SEMESTER – III

Title of the Course:	Interior Services - I	L	S	Credit
Course Code:	CC- 306*	1	-	1

Note: - (*) Means Combined passing for Internal & Theory exam.

Course Description:

This subject supports basically to interior Technology & Interior Design. This subject includes different technology used for different services included in the interior design.

This subject is to understand basic products used in a service to work use & effectually designed spaces.

This subject includes basic of Sanitary fixtures, bathroom accessories, drainage system, water supply system in the 3rd semester.

Course Outcomes:

- Describe the different classification and functions of sanitary fixtures;
- Develop the drawing/plan of drainage system, plumbing system and water supply system inclusive of hot water & cold-water supply;
- Estimating, analyzing the quality and quantity of water require for different purpose;
- Draw the sketches of fittings and parts required in drainage and water supply systems;
- Describe different types of water heating equipment with respect to specification and capacity.

Teacher Assessment:

Assessment	Marks	Pass
CIE	10	5
ESE	50	18
Internal Evaluation	40	20
External Evaluation	-	-

Course Contents:

Unit 1 Sanitary fixtures

Introduction -

Classification of sanitary fixtures –

Ablution fixtures - wash basins - sinks- Kitchen, Janitor Bathroom fixtures – shower trays - Bathtubs - Soil fixtures-

Water Closets - WC - floor & wall mounted - Indian water closet – Anglo – Indian water closets – Urinals Bowl, Stall, Aqua free - Squatting plate - Bidet – Slop sinks

Unit 2 Accessories - Bathroom Accessories. Towel rings, sop dish, mirrors, toilet paper holder, automatic sanitizer machine, aroma diffuser etc ...

Unit 3 Drainage system

Introduction -

principle of drawing - system of plumbing – One pipe, two pipe etc - Comparison of systems - systems recommended - Vent pipes - syphonic action - traps for appliances - Bottle traps, Nahani traps , gully traps etc - Air admittance value, Pipes & their joints - study of kitchen & toilet areas - septic tanks- etc.

Unit 4 Water supply

Introduction - Impurities in water - Effect of impurities - Treatment Of water - Conveyance of water - per capita supply - storage of water – Storage tanks for bungalows - Typical water supply layout from service main to building- etc..

Hot Water Supply

Intro – Quantity of hot water - sizing of vessels for storage - Types of hot water – sizing of vessels for storage - Types of heaters – pressure & hon.- Pressure types - Tank-issues water heaters - Geasers – central hot water system - hot water piping layout – Principles of design , Return Circulation System - Solar thermal energy - sofa type water heater - Hot water supply layout- etc..

SYLLABUS FOR B. Des – II SEMESTER – III

Title of the Course:	Graphics - III	L	S	Credit
Course Code:	CC- 307	1	2	3

Course Description:
 This subject is continued for 3rd semester after the basic orthographic projection. The Subject for 3rd semester continued gradually through exercises detailing with section of solids. Complex development of surface, objects, etc..
 Introduction of knowledge of perspective is key for visualization – use of auto cad student of practical to get then the use of CAD by using simple drawing & molding compounds, to dose simple object only.

- Course Outcomes:**
- Apply principles of one point and two-point perspective of simple objects and interior design;
 - Develop perspective of interactive design at different levels.

Teacher Assessment:

Assessment	Marks	Pass
CIE	10	5
ESE	-	-
Internal Evaluation	40	20
External Evaluation	-	-

Course Contents:

Part - I

Unit 1 Introduction of Perspective
Unit 2 Principles of one point perspective of simple / Complex objects and Interior Design elements.
Unit 3 Principles of Two-point perspective of simple / Complex objects and Interior Design elements.
Unit 4 Perspective of Interior and Exteriors spaces using different eye levels.

SYLLABUS FOR B. Des – II SEMESTER – III

Title of the Course:	History - III	L	S	Credit
Course Code:	CC- 308*	1	-	1

Note: - (*) Means Combined passing for Internal & Theory exam.

Course Description:

- Develop awareness of the material cultures and life styles associated with past civilizations and their relevancy to contemporary design.
- Identify furniture styles and understand why a style developed and its relationship to social, economic, and political conditions and how it influences contemporary design.
- Develop a sensitivity and appreciation of historic design. Learn to be objective.

Course Outcomes:

- Describe the material cultures and life styles associated with Indian and European architecture;
- Describe with sketch/drawing the temple architecture, Egyptian, Greek and Roman architecture;
- Apply the principles of design in different culture in the development of design/furniture design

Teacher Assessment:

Assessment	Marks	Pass
CIE	10	5
ESE	50	18
Internal Evaluation	40	20
External Evaluation	-	-

Course Contents:

Introduction to the Indian and European Architecture.

Unit 1 Introduction to ancient civilization

Unit 2 Temple Architecture - Surface decoration, treatments.

Unit 3 Introduction of Egyptian, study of interiors evolution of Interior design. how it was affected by social, political forces etc...

Unit 4 Introduction of Greek, and Roman Architecture – study of interiors evolution of Interior design. how it was affected by social, political forces etc...

SYLLABUS FOR B. Des – II SEMESTER – III

Title of the Course:	Presentation Techniques - I	L	S	Credit
Course Code:	CC- 309	-	1	1

Course Description:

To train the students in the techniques of three-dimensional presentation-built form with using manual and computer skill. Interior photography and photographic techniques related to Interior elements. Application of various types of lenses. Rendering of the plans, sections, elevations, perspectives using different media.

Course Outcomes:

- Use techniques of 3D presentation-built form manually and by using computer skills;
- Use techniques of productivity and management payers and symbol generations;
- Operate drafting and presentation by using software.

Teacher Assessment:

Assessment	Marks	Pass
CIE	10	5
ESE	-	-
Internal Evaluation	40	20
External Evaluation	-	-

Course Contents:

Computer application in Interior Design: -

Unit 1 Use of draw tools, use of view, Different types of styles e.g., dimension style, text, style, symbol library, drawing at different scales, composition of drawing at different scales. (Concept of paper space & model space).

Unit 2. Use of edit tools, use of view, Different types of styles e.g., dimension style, text, style, symbol library, drawing at different scales, composition of drawing at different scales. (Concept of paper space & model space).

Unit 3 Introduction to other drafting & presentation softwares.

Unit 4 Introduction to interface between the different presentation softwares.

LIST OF OPEN ELECTIVES	
Offered By	
INTERIOR DESIGN	
OPEN ELECTIVE	2 Credit
1. Calligraphy 2. Pottery design 3. Style of Interior Etc.. 4. Any other open Electives in each semester are subjected to change as per the need of the industry, Market and skill requirements as per specific time and syllabus.	

GENERAL NATURE OF QUESTION PAPERS.

Bachelor of Design – Second Year (B.Des)

Semester – III

Sub- Interior Technology & Material – I

Total Marks: - 50

Duration: - 2 hrs

Instructions: -

- 1. Q. No.1 & 2 is compulsory and answer any two of remaining questions.**
 - 2. Illustrate your answer wherever necessary.**
 - 3. Figures at the right indicate full marks.**
 - 4. Assume suitable data wherever necessary & mention it.**
 - 5. Draw neat sketches wherever necessary.**
-

- | | |
|---|----|
| 1. Design & Draft: | |
| i) | 10 |
| ii) | 10 |
| iii) | 09 |
| 2. Answer the following with sketches: | 07 |
| 3. Answer the following: | 07 |
| 4. Answer the following questions: - | 07 |
| 5. Answer the following questions in brief: | 07 |

GENERAL NATURE OF QUESTION PAPERS.

**Bachelor of Design – Second Year (B.Des)
Semester – III
Sub- Interior Services - I**

Total Marks: - 50

Duration: - 2 hrs

Instructions:-

- 1 Q. No.1 is compulsory and answers any three of remaining questions.**
 - 2 Illustrate your answer wherever necessary.**
 - 3 Figures at the right indicate full marks.**
 - 4 Assume suitable data wherever necessary & mention it.**
 - 5 Draw neat sketches wherever necessary.**
-

1	Write short notes with sketches (any four)	20
	a)	
	b)	
	c)	
	d)	
	e)	
2	Explain the following	10
	a)	
	b)	
3	Long question: -	10
4	Long question: -	10
5	Long question: -	10

GENERAL NATURE OF QUESTION PAPERS.

Bachelor of Design – Second Year (B.Des)

Semester – III

Sub- History - III

Total Marks: - 50

Duration: - 2 hrs

Instructions: -

- 1 Q. No.1 is compulsory and answer any three of remaining questions.**
 - 2 Illustrate your answer wherever necessary.**
 - 3 Figures at the right indicate full marks.**
 - 4 Assume suitable data wherever necessary & mention it.**
 - 5 Draw neat sketches wherever necessary.**
-

- | | | |
|---|---|----|
| 1 | Explain with sketches (any one) | 10 |
| | a) | |
| | b) | |
| 2 | Write short note on (any Three) | 15 |
| | a) | |
| | b) | |
| | c) | |
| | d) | |
| 3 | Draw neat sketches of the following (any three) | 15 |
| | a) | |
| | b) | |
| | c) | |
| | d) | |
| 4 | Explain with sketches (any two) | 10 |
| | a) | |
| | b) | |
| | c) | |

SYLLABUS FOR B. Des – II SEMESTER – IV

Title of the Course:	Interior Design –IV	L	S	Credit
Course Code:	CC- 401**	1	4	5

Note: - 1. () Means combine passing for external oral & Theory paper
2. A candidate should obtain min 35% marks in theory exam.**

Students must be able to present a project graphically in a medium and a format that enhance the solution to a design problem and communicate clearly to the audience. In this studio course, students will learn to use a variety of tools and the vocabulary to present their designs in the most effective way.

- Studies on multi-functional spaces.
- Design of medium to large space of medium complexity (several functions together) to introduce commercial designs like small shops, offices, etc....
- Site visits: Site visits to complete buildings pertaining to design problems, group discussions among students, special discussions shall also be arranged with senior students, students should also play roles of clients, contractors and consultants.
- Study of groups of objects forms, masses with basic geometric forms, their compositions, for two- and three-dimensional study in relation with Basic Design.

Course Outcomes:

- Apply & develop theory of design in the planning of space.
- Apply & develop creativity in interior space planning
- Design a large space of 300 sqm for commercial space by application of theory of design. Apply material for the interior space planning.
- Applying and developing interior design for large and small commercial spaces.

Assessments:

- Continuous assessment and marking system should be followed
- Block models, preliminary models with site development, human figures with using various model making materials and techniques.
- Internal and External exams will be based on above understanding of topics.

Teacher Assessment:

Assessment	Marks	Pass
CIE	10	5
ESE	100	35
Internal Evaluation	90	45
External Evaluation	100	50

Course Contents:

The student will be able to:

- Unit 1** Use a variety of drawing media for effective communication of design development & Solution.
 - Unit 2** Understand and discuss the interior environment in the context of the exterior,
 - Unit 3** Discuss and orally present how artifacts enhance and reflect in concept of the design.
 - Unit 4** Explore a variety of computerized visual presentation techniques.
- Improve verbal presentation skills through daily informal presentations of renderings

SYLLABUS FOR B. Des – II SEMESTER – IV

Title of the Course:	Furniture Design -II	L	S	Credit
Course Code:	CC- 402	1	1	2

Course Description:

Way of analyzing furniture forms and designing furniture forms scientifically based on ergonomics materials design and working parameters and visual perception of furniture as a single form and as system in a given interior space.

A) Case study of a particular furniture type

- 1) Detailed Measurements
- 2) Understanding the functions & activity
- 3) Identifying the design scope & limitations.

B) Developing of a particular furniture type

- 1) Identifying the furniture & activity
- 2) Define the material & Aesthetics aspects
- 3) Furniture the design data to ergonomics

Design solution for the prescribed furniture element

3. Analysis of the furniture

Contempt furniture –

Traditional materials of construction New Materials and innovative techniques.

Technology of furniture –

Factors considered in the design process Stability and strength (Design for compressive, tensile bending shear & torsion)

Contempt Materials –

Wood joint particle board Hard board Bentwood molded various, various finished, metals plastics, hardware, and upholstery.

Course Outcomes:

- Analyze furniture form;
- Design furniture form based on ergonomics, materials, designs and working parameters;
- Draw visual perception of furniture.

Teacher Assessment:

Assessment	Marks	Pass
CIE	10	5
ESE	-	-
Internal Evaluation	40	20
External Evaluation	30	15

Course Contents:

Unit 1 Understanding the critical issues of human anthropometrics, ergonomics

Unit 2 details and aesthetics through model's mockup and prototypes.

Unit 3 Small pieces of furniture design in commercial spaces. Like designing a sitting element, cabinets, etc.

Unit 4 Full-size drawings and prototype to understand critical nature of each and every dimension, detail and its comfortable value with material used.

SYLLABUS FOR B. Des – II SEMESTER – IV

Title of the Course:	Theory of Design & Visual Arts -IV	L	S	Credit
Course Code:	CC- 403	1	2	3

Course Description:

The course explores the relationships between interior discourse and the visual arts from the historical avant-garde to the present. Interior discourse will be considered as the intersection of diverse systems of representation: buildings, projects, drawings, but also interior theory and criticism, exhibitions, photographs, professional magazines, and the popular press. The course treats as visual arts not only painting and sculpture, but also photography, cinema, fashion, advertisements, and television.

Course Outcomes:

- Analyze the visual arts with respect to theoretic, discursive, analytic and critical aesthetics;
- Develop visuals in different forms;
- Demonstrate skills for applying techniques, technology and hand skills.

Teacher Assessment:

Assessment	Marks	Pass
CIE	10	5
ESE	-	-
Internal Evaluation	40	20
External Evaluation	100	50

Course Contents:

Unit 1 The content must stress on three areas.

Intellectual – theoretic, discursive, analytic, critical aesthetics.

Unit 2 Visual – two and three dimensional, black and white & color, DVDs and CDs on art films, films on artists, even feature films known for excellence in the visual.

Unit 3 Skills – techniques, technology, skills of doing things by hand, traditional crafts etc.

Unit 4 History of Fine Arts, study of Isms.

Student’s work may be seen to build an “Art Thesis” of sort, after a series of works in studio, workshops, time problems, as well as collective efforts in installations etc. coupled with short theoretical assignments which improve the overall perception of arts.

SYLLABUS FOR B. Des – II SEMESTER – IV

Title of the Course:	Workshop – IV	L	S	Credit
Course Code:	CC- 404	-	2	2

Course Description:

Understand material and tools by making objects which allow students to explore forms, surfaces, textures, and patterns. Explore different joinery, support conditions and woven surfaces under trained experienced master craftsman. Also clear to communicate and establish dialogue between designed crafts skills.

Understand and improve imaginations through visual art by modeling object of variety of materials to enhance the knowledge of surface, texture, forms. Clean communication to be established through activities in between design and craftsmanship. A cultural orientation may be divided to integrate with current requirement of profession.

Course Outcomes:

- Prepare block models, preliminary models and finished models by using metal, plaster of Paris;
- Use tools and develop hands on skills to use materials for preparing models;
- Demonstrate/apply the principle of surface forming, texture and forms.

Teacher Assessment:

Assessment	Marks	Pass
CIE	10	5
ESE	-	-
Internal Evaluation	40	20
External Evaluation	-	-

Course Contents:

Unit 1 Introduction to Photography

Unit 2 To understand & experience with like Textile, weaving tile making etc.

Unit 3 Preparation of Block models, Preliminary models & finish models for Interior space Design

Unit 4 The Above units should be effectively linked with Interior space design and more stress will be laid on industry linkages for training and hands on experience.

SYLLABUS FOR B. Des – II SEMESTER – IV

Title of the Course:	Interior Technology & Material – II	L	S	Credit
Course Code:	CC- 405**	2	2	4

Note: - 1. ()** Means combine passing for external oral & Theory paper
2. A candidate should obtain min 35% marks in theory exam.

Course Description:

This course introduces students to the art and science of building. Emphasis will be placed gaining an understanding of construction materials, methods and the process of translating design ideas into built form. Specific topics are introduced each week. These topics are then further, various design strategies, materials, fabrication techniques, and didactic built works are explored. As both a qualitative and a basic quantitative understanding of elementary systems are mastered, the curriculum shifts its focus onto increasingly complex systems serving entire buildings. The sequence's last two courses develop an understanding of how technical-utilitarian systems are resolved, integrated with other systems. The material in class requires students to have some experience and understanding of architectural design, drawings and details.

Course Outcomes:

- Apply knowledge of construction material, methods and processes to transform idea in to design;
- Develop the design for False ceiling, flooring and metal;
- Compare different materials and design of for False ceiling, flooring and metal suiting the purpose/functions and principles of design

Teacher Assessment:

Assessment	Marks	Pass
CIE	10	5
ESE	50	18
Internal Evaluation	40	20
External Evaluation	100	50

Course Contents:

Unit 1 FALSE CEILING

Introduction to ceilings- types of ceilings --metal coated strip sections, ply, pop, gypsum [readymade branded ceiling systems] -construction details of the above-mentioned ceilings.

Unit 2 FLOORING MATERIALS

Introduction to flooring material – types of flooring material, natural stones, natural wood vitrified flooring tiles, cement paving blocks, synthetic flooring tiles or rolls, laminated flooring tiles, clay tiles etc -

Unit 3 FLOORING CONSTRUCTION

Introduction to construction of flooring – types of flooring material, natural stones, vitrified flooring tiles, cement paving blocks, synthetic flooring tiles or rolls, laminated flooring tiles, - to Understand & study construction methods of above-mentioned flooring materials. tile on tile construction method of fixing tiles etc.

Unit 4 METALS

Ferrous & nonferrous metals and alloys – pig iron-cast iron-wrought iron-mild steel-high carbon steel-copper-aluminum-brasses-bronze-model metal-uses of above-mentioned metals, alloys, & their properties.

SYLLABUS FOR B. Des – II SEMESTER – IV

Title of the Course:	Interior Services - II	L	S	Credit
Course Code:	CC- 406*	1	-	1

Note: - 1. ()** Means combine passing for external oral & Theory paper
2. A candidate should obtain min 35% marks in theory exam.

Course Description:

This subject supports basically to interior Technology & Interior Design. This subject includes different technology used for different services included in the interior design. This subject is to understand basic products used in a service to work use & effectually designed spaces.

This subject includes basic of lighting, HVAC, fire protection.

Course Outcomes:

- Describe the different classification and functions of lighting, climatology and fire protection;
- Develop the drawing/plan lighting and fire system;
- Draw the sketches of lighting systems and ventilators;
- Describe different types of fire protection systems and equipment.

Teacher Assessment:

Assessment	Marks	Pass
CIE	10	5
ESE	50	18
Internal Evaluation	40	20
External Evaluation	-	-

Course Contents

Unit 1 LIGHTING –NATURAL

Introduction - Natural lighting - “ Artificial lighting. Natural lighting - Daylight - Daylight factors. Direct light - Indirect light - defused light

Unit 2 ARTIFICIAL ILLUMINATION

Introduction -- Artificial lighting. Artificial lighting - types of lighting systems
 General lighting system - Direct light - Indirect light - defused light - Types of fittings - Down - lighters - wall washers - up - lighter Task lighting – Accent lighting - terminology like Lax , Lumens - illuminations required in Various areas - Variety of Lamps - Incandescent lamps - Tang stem Halogen lamps - Florescent lamps - Mercury lamps - sodium vapor lamps - flicker
 Emergency lightings - Lighting Accessories - Protection devices-etc..

Unit 3 STUDY OF CLIMATIC CONDITION & INTRODUCTION TO HVAC

Building Environments: -

Ventilation - furniture requirements – Heat balance of the body - system of ventilation - Natural ventilation - general rules of ventilation - Artificial ventilation- etc.

Unit 4 FIRE PROTECTION

Introduction - fire protection - Requirement of water - systems of firefighting - External & Internal - wet & dry riser - sprinkler system - firefighting equipment -

Means of escapes, staircase lifts – etc.

SYLLABUS FOR B. Des – II SEMESTER – IV

Title of the Course:	Graphics - IV	L	S	Credit
Course Code:	CC- 407*	1	2	3

Note: - (*) Means Combined passing for Internal & Theory exam.

Course Description:

Developing visualization and imagination through one point perspective, two-point perspective is a key of element in developing interior space design.

Course Outcomes:

- Demonstrate/Develop the shades and shadows in interior design;
- Apply principles of two point and 3 points in perspective of simple objects and interior design;
- Develop perspective of interactive design in 3D sketching.

Teacher Assessment:

Assessment	Marks	Pass
CIE	10	5
ESE	100	35
Internal Evaluation	40	20
External Evaluation	-	-

Course Contents:

Unit 1 Introduction Sociography & Study of shades and shadows.

Unit 2 Implementation of concepts of Sociography of point, line, shapes & forms in 2D

Unit 3 Application of sociography in one point perspective drawing of simple / complex objects of interior & exterior.

Unit 4 Application of sociography in two-point perspective drawing of simple / complex objects of interior & exterior.

SYLLABUS FOR B. Des – II SEMESTER – IV

Title of the Course:	History - IV	L	S	Credit
Course Code:	CC- 408*	1	-	1

Note: - (*) Means Combined passing for Internal & Theory exam.

Course Description:

- Develop awareness of the material cultures and life styles associated with past civilizations and their relevancy to contemporary design.
- Identify furniture styles and understand why a style developed and its relationship to social, economic, and political conditions and how it influences contemporary design.
- Develop a sensitivity and appreciation of historic design. Learn to be objective.

Course Outcomes:

- Describe the material cultures and life styles associated with different cultures;
- Describe with sketch/drawing the features of different architecture;
- Apply the principles of design in different culture in the development of design/furniture design.

Teacher Assessment:

Assessment	Marks	Pass
CIE	10	5
ESE	-	-
Internal Evaluation	40	20
External Evaluation	-	-

Course Contents:

Unit 1 Introduction to the Indian and western Architecture, Islamic Architecture in India

Unit 2 Introduction to the Byzantine Architecture, Introduction to the Gothic Architecture

Unit 3 Introduction to the Renaissance Architecture

Unit 4 Colonial Architecture of India

Above topics should be studied with respect to orders, building types, aesthetical characters, and technology. These civilizations introduced the classic idiom that consistently reappeared over the centuries and established the framework for inquiry by which historical study is analyzed in this field. Study should examine the evolution of interior design. How social, political, artistic, economic, technological, religious, and cultural forces impact the evolution of interior design.

SYLLABUS FOR B. Des – II SEMESTER – IV

Title of the Course:	Presentation Techniques - II	L	S	Credit
Course Code:	CC- 409	-	1	1

Course Description:
Developing skills in non – graphic applications of computer as required for Interior profession and office management such as word processing, spreadsheets, power point presentations, databases etc.

Course Outcomes:

- Use techniques of 3D modeling;
- Apply the lighting aspects of 3D models;
- Use techniques of productivity and management payers and symbol generations;
- Operate/ use different commands for drafting and presentation and viewing by using software.

Teacher Assessment:

Assessment	Marks	Pass
CIE	10	5
ESE	-	-
Internal Evaluation	40	20
External Evaluation	-	-

Course Contents:

Unit 1 Introduction to interactive multimedia technology for design presentation
Computer application in Interior Design

Unit 2 Concept of 3D modeling, Introduction to 3D modeling. Study lighting aspect like shades and shadows of 3D models. 3D model of small-scale Interior projects.

Unit 3 Concept of UCS, 3 Dimensional drawings primitive mesh and surfaces. Viewing commands & Viewpoints.

Unit 4 Introduction to shading & rendering. Rendering and hatching.

LIST OF OPEN ELECTIVES	
Offered By INTERIOR DESIGN	
OPEN ELECTIVE	2 Credit
<ol style="list-style-type: none">1. Software Skills for 2D/3D2. Content Writing & Docs3. Advanced Product Design4. Any other open Electives in each semester are subjected to change as per the need of the industry, Market and skill requirements as per specific time and syllabus.	

GENERAL NATURE OF QUESTION PAPERS.

Bachelor of Design – Second Year (B. Des)

Semester – IV

Sub- Design - IV

Total Marks: - 100

Duration: - 9 hrs

Instructions: -

- 1. Assume suitable data wherever necessary and mention it.**
 - 2. You can use only suitable presentation technique on the given paper only.**
 - 3. Refer drawing given.**
-

- Design problem - Title
- Design problem – Brief
- Requirements of the design problem given:
- Drawing Requirements: -
 - 1) Concept & furniture layout plan
 - 2) Sectional Elevations (Min- 2)
 - 3) Views to explain the interior design scheme. (Min-2)
 - 4) Furniture detail (any one)
 - 5) Ceiling and flooring layout.

(Note:- Marking Distribution will be as per requirements design problem)

GENERAL NATURE OF QUESTION PAPERS.

Bachelor of Design – Second Year (B. Des)

Semester – IV

Sub- Interior Technology & Material – II

Total Marks: - 50

Duration: - 2 hrs

Instructions: -

- 1. Q. No.1 & 2 is compulsory and answer any two of remaining questions.**
 - 2. Illustrate your answer wherever necessary.**
 - 3. Figures at the right indicate full marks.**
 - 4. Assume suitable data wherever necessary & mention it.**
 - 5. Draw neat sketches wherever necessary.**
-

- | | |
|---|----|
| 1. Design & Draft: | |
| a) | 10 |
| b) | 10 |
| c) | 09 |
| 2. Answer the following with sketches: | |
| a) | 05 |
| b) | |
| 3. Answer the following: | 07 |
| 4. Answer the following questions: - | 07 |
| 5. Answer the following questions in brief: | 07 |

GENERAL NATURE OF QUESTION PAPERS.

Bachelor of Design – Second Year (B.Des)

Semester – IV

Sub- Interior Services - II

Total Marks: - 50

Duration: - 2 hrs

Instructions: -

Q. No.1 is compulsory and answer any three of remaining questions.

Illustrate your answer wherever necessary.

Figures at the right indicate full marks.

Assume suitable data wherever necessary & mention it.

Draw neat sketches wherever necessary.

Write short notes with sketches (any four)	20
a)	
b)	
c)	
d)	
e)	
2 Explain the following system of plumbing	10
a)	
b)	
3 Long question: -	10
a)	
b)	
4 Long question: -	10
a)	
b)	
5 Long question: -	10

GENERAL NATURE OF QUESTION PAPERS.

**Bachelor of Design – Second Year (B.Des)
Semester – IV
Sub- History - IV**

Total Marks: - 50

Duration: - 2 hrs

Instructions: -

Q. No.1 is compulsory and answers any three of remaining questions.

Illustrate your answer wherever necessary.

Figures at the right indicate full marks.

Assume suitable data wherever necessary & mention it.

Draw neat sketches wherever necessary.

- | | | |
|----|---|----|
| 1 | Explain with sketches (any one)
a)
b) | 10 |
| 2 | Write short note on (any Three)
a)
b)
c)
d) | 15 |
| 3. | Draw neat sketches of the following (any three)

a)
b)
c)
d) | 15 |
| 4 | Explain with sketches (any two)
a)
b)
c) | 10 |

GENERAL NATURE OF QUESTION PAPERS.

Bachelor of Design – SECOND YEAR (B.Des)

Semester – IV

Sub- Graphics - IV

Total Marks: - 100

Duration: - 3 hrs

Instructions: -

- 1. All the questions are compulsory.**
 - 2. Figures given to the right indicate marks of the questions.**
 - 3. Assume suitable data wherever necessary and mention it.**
-

Q. 1 Draw Plan\ first elevation \ side elevation\ section of the object given.

Q. 2 Draw perspective view of the object given.

Q. 3 Draw Sociography in plan, elevation & in perspective in Q no. 1 & Q. no 2

(Note: - Marking Distribution will be as per requirements problem)