

SHIVAJI UNIVERSITY, KOLHAPUR

Syllabus for

Bachelor of Design (Interior)

First year – semester 1st & 2nd

June 2010 onwards

PREAMBLE:

The word DESIGN embraces all activities of human being we can not name any field where Design activity is not involved .The meaning of word Design indicates that it is a systematic effort to analyze the end product, understand its function and design with such ingenuity as to have a unique combination of appropriate material, technology and aesthetic values to blend with choice of material and end use selected. In today's world where all activities are market driven, the importance of designing the environment with total emphasis on human comfort and sustainability is the mantra to succeed. This activity of Designing brings in to its fold built and un-built environment and calls for very sensitive designers who will constantly endeavor to enhance the quality of our surroundings. The activity embraces vital fields such as the buildings we occupy, the interior designing of the Spaces, Product Design, Furniture Design, Visual Communication, Apparel Design etc. This will explain the broad scope of the subject and its importance in our everyday life. It is also pertinent to note that a lot of research has been carried out on the psychological and visual aspects of Design and it is proved that the faculty of human being to produce more and with creativity gets enhanced in such well planned and aesthetically designed environments. Well planned office buildings with work conducive interiors, well laid out landscaped gardens;

Supplement by minute detailing of product design signage etc. is an example of well planed environment. This course is being introduced young and sensitive designers in various disciplines such as Interior Design, Product Design, Furniture Design, Set Design, Visual Communication Designetc.It is felt that after pelting this course the graduates will have ample scope to work or practices Interior signers, is so immense that the Designers will have sky as the limit for success. Due to globalization and GATE trade agreements in force, the Designers will have ample scope to work anywhere in the world and enhance the quality of work of human life around. Since Shivaji University will be one of the pioneers to start this course, we feel that this and it will be able to provide good outlet to young talented Designers to show their creativity. We hope that those students, who are on the outlook of some different profession, will be able to find fulfillment in this course. Since this is a self employment oriented course, graduates are likely to practice independently or alternatively find jobs with Co-operative Offices, Industrial Houses, Films and Advertisement Industry etc .By considering limitations regarding – (1) Response of students (2) Infrastructure available in institute, we may have to start only one course i.e. Interior Designing for this academic year. In this syllabus we have tried to give every student the opportunity to enter in the degree course by giving facility of multilevel eligibility for admission this course, As you know, various duration Interior Designing course are available for the students, but they don't have

Opportunity for further studies, because of duration of courses. Here with by giving them multilevel admitting facility, we would like to give them opportunity for further higher studies. This providing some qualified Interior Designers to ever demanding designing profession. So, I

request you to go through the syllabus and give your suggestions. And because of in the course structure if possible we request you to sanction all together the four year's syllabus in the meeting.

**SYLLABUS
FOR
DEGREE COURSE IN
BACHALOR OF DESIGN**

A. Courses

- 1] Interior Design.
- 2] Furniture Design.
- 3] Product Design.
- 4] Set Design.

B. Course structure timings:

This will be a full time Four years Degree course. Timing for course will be 8.00 a.m. to 1.30 p.m. Thus, there will be 2 lectures, 4 studio periods every day, per week 34 periods for 32 weeks in a year (two terms of 16 weeks each), thus amounting total of 1088 period of 50 minutes duration each year.

c. Eligibility at Various levels

**For First Year Admission: (1). H.S.C or Equivalent (2). S.S.C + Two
Year's Interior Diploma course.**

1. a) Passed in the H.S.C. of the Maharashtra Board for Higher Secondary education or equivalent.
- b) SSC + Two years Interior diploma course by the director of Technical Education Maharashtra or equivalent.
- c) Passed in the aptitude test conducted by the Institute with min. 40% marks. Combine merit list will be displayed on the notice board of the college / institute provided said courses from any university/Registered institute actively conducting Specialized studies in concern discipline for period of not less than 3 years.

For Second Year Admission:

- (1) 1st year B.Des. Completed/ ATKT from Shivaji University**
- (2) S.S.C + Three Year's Diploma in Interior Designing/Architectural Asst. ship**
- (3) S.S.C + Two Year's Diploma in Interior Designing + One Year's full time practical training with concerned professionals.**
- (4) H.S.C + Two Year's Diploma in Interior Designing.**
- (5) Passed in 1st year of B.Des\ Degree course of interior design from any university.**
- (6) In addition to above, the following cases will be eligible for direct entrance of 2nd year of degree course.**

- First year passed from Architecture or
- Any other similar courses in which Architectural / Engineering drawings and/ Aesthetics is covered from all recognized by the respective authorities from Maharashtra, other state or equivalent. Provided said courses from any university/Registered institute actively conducting specialized studies in concerned discipline for period of not less than 3 years.

Third Year Admission;-

- (1) **2nd year B.Des. Completed/ ATKT from Shivaji University.**
- (2) **H.S.C. + Two Year's Diploma + One Year's full time practical Training with Concerned professionals.**
- (3) **S.S.C+ Three Year's Diploma + Two Years' full time Practical Training with Concerned professionals.**
- (4) **Passed in 2nd year of B.Des\ Degree course of interior design from any university.**
- (5) **In addition to above, the following cases will be eligible for direct entrance of 3rd year of degree course.**

- Who have passed in 2nd year Architecture

Any other similar courses in which Architectural / Engineering drawings and/ Aesthetics is covered from all recognized by the respective authorities from Maharashtra, other state or equivalent. Provided said courses from any university/Registered institute actively conducting specialized studies in concerned discipline for period of not less than 3 years.

Provided said courses from any university/Registered institute actively conducting specialized studies in concerned discipline for the period of not less than 3 years.

For Fourth Year Admission:

- (1) **3rd year B.Des. Completed from any University.**

NOTE:- All Professional under concern Professional Who is registered by council of Architecture / Indian Institute of Architects/ Institute of Indian Interior Designers.

D. Duration, stages of Course:

The course will be of Four year's Degree course within practical training is Included In this curriculum. The students has to complete 90 days of Practical Training under concerned professionals as stated above but he/she should complete minimum 4 weeks continuously before appearing for final university exam. Students has to submit logbook (provided by the Institute) having record of 90 days of practical Training including remark of concern professional regarding work done by the students in his/ her practical Training sessional Internal & External marks will be taken for the same.

E. Intake, Migration:

Intake capacity for First Year Admission of each course should be minimum 40 per course.

G: ATKT: All the following conditions will be applicable for obtaining ATKT.

1. External sessionals orals & Theory papers in each semester considered as a passing head.
2. A candidates who have failed in 1/3 heads out of total heads of first year, second year & Third year.
3. A candidate who is appearing for Third year (Fifth semester) must have cleared first year.
4. A candidate who is appearing for Final year (Seventh semester) must have cleared second year.
5. The students who have completed First, Third, Fifth & Seventh semester are allowed to continue for Second, Fourth, Sixth & Eight consecutively.

H: Standard of Passing.

1. A candidate must obtain minimum 45% marks in each head of the written examination.
2. A candidate must obtain minimum 50% marks in (a) Internal assessment (term work) and (b) External orals of term work for the prescribed subject. No combine passing will be considered for internal assessment (term work) and External orals.
3. A candidate failed to obtain minimum 50% for internal, he\ she shall not be allowed to appear for external and as well as for theory exams.
4. The minimum passing standard prescribed as follows:

Aggregate required for passing – 50%	Second (pass) Class –50% to 59.99%
First Class– 60% to 69.99%	Distinction–70% & Above

A “class” should be given to the candidate considering each year (both semester)
 A “class” should be given to the candidate considering each year (both semester)

F: Examination:

1. Examination of each subject will be conducted at the end of each semester as per examination structure given

EXEMPTION:

1) An unsuccessful candidates who has passed in any of subjects with minimum 50% of the total marks in that subject may, at his option, be exempted from appearing in that subject at a subsequent examination and will be declared to have passed in the whole semester when he has passed in the remaining subjects the examination in accordance with above. For the purpose of deciding whether a candidate has passed the examination in the manner aforesaid, the marks obtained by him in those subjects in the previous semester shall be carried forward. Candidate passing the examination in this manner will not be eligible for a prize or scholarship to be awarded at the examination.

2) In addition to all the standards prescribed above, The students has to complete 12 weeks of Practical Training under concern professional as stated in a note but he/she should complete minimum 4 weeks of Training continuously before appearing for final university exam. Students has to submit logbook (provided by the Institute) having record of 12 weeks of practical Training including remark of concern professional regarding work don by the students in his/her practical Training duly endorsed by the principal of the College sessional Internal & External marks will be given for the same in the 7th semester. The college shall maintain official records of enrollment of the candidate in a Professional firm for internship and of actually completed works during the period of internship. The candidates will produce to the college the certificate of completion of internship from the firm they worked with. The college shall produce the requisite certificate regarding internship within 30 days of the last day of the examination.

1. TEACHING STAFF STRUCTURE :-

The institute shall maintain a teacher - student ratio 1:15

STATEMENT SHOWING DESIGNATION PAY SCALE, QUALIFICATIONS ETC.REQUIRED TO BE PRESCRIBED FOR FACULTY POSITION.

1. Designation –Assistant Professor

Qualification –

Bachelor's Degree in Interior Designing (B.Des.)/ B.Arch. / B. F. A/ G.D Art (Five Years after S.S.C)/ equivalent

2. Designation –Lecturer :-

Qualification –

Bachelor's Degree in Interior Designing (B.Des.)/ B.Arch. / B. F. A/ G.D Art (five years after S.S.C) equivalent with Three years teaching and professional experience

OR Master's Degree in Interior Designing/ M.Arch. / M. F. A/ G.D Art (five years after S.S.C) Equivalent with one year teaching and professional experience

3. Designation – reader / Asstt. Professor:-

Qualifications –

Bachelor's degree in Interior Designing (B.Des.) / B. Arch. or equivalent of a recognized University with seven years experience in profession and teaching, Associate membership of I.I.A./ I.I.I.D./ C.O.A. registered OR Masters degree in interior designing (M.Des.)/Architecture(M. Arch) with five years experience

in profession and teaching, associate membership of I.I.A./I.I.I.D./ COA. Registered.

4. Designation - Professor:-

Qualification -

Bachelor Degree in Interior Designing(B.Des.) / B. Arch. or equivalent in Architecture With

Twelve years professional/ teaching/ Research experience, Associate membership of I.I.A./I.I.I.D./ C.O.A registered. OR

Master of Interior (M. Des.)/ M. Arch with 10-year teaching / professional experience, Associate membership of I.I.A./I.I.I.D./ C.O.A registered.

5. Principal /Head of Department:-

Qualification –

Bachelor's Degree in Interior Designing(B. Des.) or in Architecture(B. Arch.) with Ten years 1 experience in teaching / Research / Profession, Associate membership of I.I.A./I.I.I.D./ C.O.A.

registered with. Administrative experience as H.O.D. as Principal / Managing Director of concern institute OR

Master of Interior (M.Des.)/ M. Arch with 10-year teaching / professional experience, Associate membership of I.I.A./I.I.I.D./ C.O.A registered.

With Administrative experience as H.O.D. as Principal / Managing Director of concerned Institute

Note:

1. The institute shall encourage the faculty members to involve in professional practices and Research.
2. The institute shall encourage exchange of faculty members for academic programs.
3. It is advisable that approximately 50% of the teaching load should be allotted to the visiting faculty from practicing professionals and industries (Architects, Interior Designers, and Artists.) So that students are brought in closer contact with the persons actively engaged in practice.
4. Each institute must have a staff structure consisting of the following Principal or Head of Department professor / assistance professor / readers and Lecture Studio Assistant ratio 1:2:4. (2+2)
5. The institute may recruit qualified person in the field of Engineering/Art/Humanities and visiting faculty depending upon the actual requirements of the subject.
6. Pay scale for the concerned faculty will be as per U.G.C. approval.

***Batchelor of Design Fee Structure*.**

Sr. No	Title	1st Year	2nd Year	3rd Year	4th Year
1	Tuition Fee	32500	32500	32500	32500
2	Development Fund	50	50	50	50
3	Library Fee	100	100	100	100
4	Gymkhana Fee	500	500	500	500
5	Training/ Establishment	75	75	75	75
6	Internet	200	200	200	200
7	Deposit (Library / Lab)	500	500	500	500
8	Laboratory/Workshop Fee	2000	2000	2000	2000
9	University Pro-rata Fee	25	25	25	25
10	University Youth Festival Fees	10	10	10	10
11	University Ashwamedha Fees	15	15	15	15
12	शिवाजी विद्यापीठ आपत्कालीन निधी/अपघाती विमा	25	25	25	25
13	University Agrantee Mahavidyalaya Fee	100	100	100	100
14	E-Facilities Fee for DTE (M.S.)	50	50	50	50
	Total Fees	36150	36150	36150	36150

Bachelor of Design**SUBJECTS EQUIVALENCE**

ANNUNAL PATTERN			SEMESTER PATTERN – I		SEMESTER PATTERN – II	
Sr. no	Subject Name	Theory Exam Marks.	Subject Name	Theory Exam Marks.	Subject Name	Theory Exam Marks.
1.	Design.	50	-	-	Design- II	50
2.	Theory of design & Visual Arts.	60	Theory of design & Visual Arts.- I	50	-	-
3.	Materials & Construction.	100	Building Technology- I	60	Building Technology- II	80
4.	Graphics & CAD- I	50	Graphics & CAD- I	50	Graphics & CAD- II	50

**DEGREE IN INTERIOR DESIGN
STRUCTURE, SCHEME, OF EXAMINATIONS**

First Year

STRUCTURE OF FIRST SEM. B. DES. (INTERIOR DESIGN)

Subject code		Subject		Teaching Scheme		Examination Scheme	
				Sem – I Paper	Sessional Work (Int)	Oral (Ext)	Total
B.Des 01- 01	Int Design- I	1	7	-	40	-	40
B.Des 01- 02	Theory of Design & Visual Arts- I	2	6	50	40	-	90
B.Des 01- 03	Work Shop	-	4	-	40	-	40
B.Des 01- 04	Building Technilogy- I	2	4	60	20	-	80
B.Des 01- 05	Graphics & CAD- I	1	5	50	50	-	100
B.Des 01- 06	Communication Skills – I	2	-	-	25	-	25
B.Des 01-07	History- I	2	-	-	25	-	25
	TOTAL	10	26	160	240	-	400

First Semester Total periods per week – 36

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

B.DES. 01 - 01
SUBJECT : INTERIOR DESIGN – I
 SYLLABUS FOR FIRST SEM. – B.DES. DEGREE COURSE

Lectures – 16	Paper - -	Internal - 40
Studio - 112	Duration - - -	External - -
Total - 128		Theory - -
		Total - 40

This is the main subject in the curriculum, which focuses on the practical application of all the theory subjects in the design studio. It aims at allowing the student to develop his Designing skills by actually getting involved with progressively difficult design problems. Realization of Interior Design profession today creating comfortable functional and aesthetically appealing harmonious interior Environment.

Contents:

1. Man and his basic living activity
2. Man and anthropometric studies in relation with living activates.
3. Functional analysis anthropometrics, space planning for living activity.
4. Materials and use of structural systems, build form and its expression. Light- Air and Views as an issue.
5. Approach towards design with the help of Product Design in relation with living spaces, data collection, survey and analysis of existing product.
- 6) Study based on qualitative aspects of space through small design exercises preferably small residential leaving spaces like, living room.

B.DES. 01 - 02
SUBJECT : THEORY OF DESIGN & V. ARTS – I
 SYLLABUS FOR FIRST SEM. – B.DES. DEGREE COURSE

Lectures – 16	Paper - - 50	Internal - 40
Studio - 112	Duration - - 2 Hrs	External - -
Total - 128		Theory - 50
		Total - 90

Visual Arts/Aesthetics is an art of sensitive appreciation of the “beautiful” It is the pursuit and devotion to beauty and refined taste. It is developing a well developed sense of beauty. Visual Art is an art of Aesthetics. Sense of Aesthetics helps us to create the simple things of life in a more presentable manner.

A simple ordinary thing or an object when treated with aesthetic sense becomes extraordinary and unusual. Visual Art can be termed as an art of presenting a thing, an object, or a design in such a fashion that it looks more beautiful and desirable.

Theory of design is subject in which basic elements and principles of design is being studied, and application is done in studio periods of visual arts. Ultimately Theory of design and Visual arts is used in subject Design for making living spaces more beautiful and desirable.

Contents:

1. Introduction.
2. Basic Elements of design & application in studio work.
3. Basic principles of design & application in studio work.
4. Color planning –Visual effects/ Psychology/ Application.
5. Texture planning –Visual effects / Application.
6. Sketching.

SUBJECT : WORK SHOP – I
SYLLABUS FOR FIRST SEM. – B.DES. DEGREE COURSE

Lectures – -	Paper - -	Internal - 40
Studio - 64	Duration - -	External - -
Total - 64		Theory -
		Total - 40

Understand material and tools by making objects which allow students to explore forms, surfaces, textures, and patterns i.e. elements and principles of design from Theory of Design & Visual Arts. Explore different joinery, support conditions and woven surfaces under trained experienced master craftsman. Also clear to communicate and establish dialogue between designed crafts skills.

Perceive and understand materials and tools by exploring. The help through visual learning. To established design & craft skill relationship and revel through appreciation of the profession.

Experiential work shop methods are but suite for such learning when craft, print, color, etc elemental activity may be conducted.

Contents:

To play with all types of materials like

1. Clay,
2. Ceramic,
3. Application of colors in all mediums through exercices.

SUBJECT : BUILDING TECHNOLOGY – I
SYLLABUS FOR FIRST SEM. – B.DES. DEGREE COURSE

Lectures – 32	Paper - - 60	Internal - 20
Studio - 64	Duration - - 4 hrs	External - -
Total - 96		Theory - 60
		Total - 80

Contents:

1. Building Materials like Clay products, Brick, Stone, Cement their uses types' strength of materials.
2. Functions of structure (Load bearing, Frames structure and steel structure.)
3. Introduction to Terminology of basic structure and components.
4. Studio Work based on the above which can be expressed through model making also.
5. Market surveys based on above mentioned different materials.
6. Different types of brick bonds & stone masonry structure.
7. Introduction to tools used in construction & furniture making.

B.DES. 01 - 05

SUBJECT : GRAPHICS & CAD – I
SYLLABUS FOR FIRST SEM. – B.DES. DEGREE COURSE

Lectures – 32	Paper - - 50	Internal - 50
Studio - 64	Duration - - 3 hrs	External - -
Total - 96		Theory - 50
		Total - 100

Drawing skills as tools to design thinking, visualization and representation initial familiarization with drawing materials and equipments is followed by basic understandings about the point and the line, straight and curvilinear. Principles of plane geometry, scale orthographic projections of point's lines planes and solids are understood gradually through exercises dealing with sections of solids, simple and complex, Development of surfaces, objects, etc.

Use of Auto CAD – Students are practical to get them the use of CAD by using simple drawing & molding compounds, to dose simple object only.

Contents:

1. Introduction of drafting equipment, materials and methods of using them.
2. Methods of Architectural, Engineering, Interior drawings.
3. Lettering and use of stencils in drawings.
4. Orthographic projections, surface development. .
5. CAD I – Introduction to Use of Auto CAD.

B.DES. 01 - 06

SUBJECT : COMMUNICATION SKILLS- I
SYLLABUS FOR FIRST SEM. – B.DES. DEGREE COURSE

Lectures – 32	Paper - -	Internal - 25
Studio -	Duration - -	External - -
Total – 32		Theory - -
		Total - 25

Art of communicating in English in professional world.

Contents:

1. Process of communication
2. Elements and principals of communication
3. Types of Communication.
4. Introduction to body language.
5. Speech and mannerism for various occasions.
6. Importance of speech in communicating types of information.
7. Reading magazine.

B.DES. 01 - 07
SUBJECT : HISTORY – I
 SYLLABUS FOR FIRST SEM. – B.DES. DEGREE COURSE

Lectures – 32	Paper - -	Internal - 25
Studio -	Duration - -	External - -
Total - 32		Theory - -
		Total - 25

History of Civilization, History of Design.

Contents:

1. Study of Indus Valley culture and Vedic architecture.
2. Introduction to Buddhist architecture.

NATURE OF QUESTION PAPERS.**Bachelor of Design – First Year (B.Des)****Semester – I****Sub- Theory of Design & Visual Arts - I****Total Marks: - 50****Duration: - 3 hrs****Instructions:-**

1. All the questions are compulsory.
2. Figures given to the right indicate marks of the questions.
3. Bonus marks are reserved for neatness.
4. Draw neat sketches wherever necessary.

Q. 1	Define & discuss: (Any three)	15
	A)	
	B)	
	C)	
	D)	
Q. 2	Write in brief or discuss following (Any two)	10
	A)	
	B)	
	C)	
Q. 3	Describe the following (Any one)	10
	A)	
	B)	
Q. 4	Write short notes (Any five)	15
	A)	
	B)	
	C)	
	D)	
	E)	
	F)	
	G)	

Bachelor of Design – First Year (B.Des)**Semester – I****Sub- Building Technology- I****Total Marks: - 60**

Duration: - 4 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.
 4. Draw neat sketches wherever necessary.
-

- | | | |
|------|--|----|
| Q. 1 | Draw / sketch of the given subject. | 15 |
| Q. 2 | Explain the following. (Any one) | 10 |
| | A) | |
| | B) | |
| Q. 3 | Write in brief answers of the following. (Any one) | 10 |
| | A) | |
| | B) | |
| Q. 4 | Explain with sketches. (Any two) | 10 |
| | A) | |
| | B) | |
| | C) | |
| Q. 5 | Write short notes (Any Three) | 15 |
| | A) | |
| | B) | |
| | C) | |
| | D) | |

Bachelor of Design – First Year (B.Des)
Semester – I
Sub- Graphics & CAD - I

Total Marks: - 50
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.
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- | | | |
|------|---|----|
| Q. 1 | Draw orthographies projection of the subject given: | 25 |
| Q. 2 | Draw a neat sketch view of the object give: | 10 |

Q. 3 Draw surface development of the given object:

15

DEGREE IN INTERIOR DESIGN
STRUCTURE, SCHEME, OF EXAMINATIONS

First Year

STRUCTURE OF SECOND SEM. B. DES. (INTERIOR DESIGN)

Subject code		Subject		Teaching Scheme		Examination Scheme	
				Sem – II Paper	Sessional Work (Int)	Oral (Ext)	Total
B.Des 02- 01	Int Design- II	1	7	50	60	100	210
B.Des 02- 02	Theory of Design & Visual Arts- II	1	7	-	60	100	160
B.Des 02- 03	Work Shop – II	-	4	-	60	-	60
B.Des 02- 04	Building Technology- II	2	4	80	40	-	120
B.Des 02- 05	Graphics & CAD- II	1	5	50	50	50	150
B.Des 02- 06	Communication Skills – II	2	-	-	25	-	25
B.des 02-07	History- II	2	-	-	25	-	25
	TOTAL	09	27	180	320	250	750

Second Semester Total periods per week – 36

B.DES. 02 - 01
SUBJECT : INTERIOR DESIGN – II
 SYLLABUS FOR SECOND SEM. – B.DES. DEGREE COURSE

Lectures – 16	Paper - - 100	Internal - 60
Studio - 112	Duration - 6 Hrs	External - 100
Total - 128		Theory - 50
		Total - 210

This is the main subject in the curriculum, which focuses on the practical application of all the theory subjects in the design studio. It aims at allowing the student to develop his Designing skills by actually getting involved with progressively difficult design problems. Realization of Interior Design profession today creating comfortable functional and aesthetically appealing harmonious interior environment.

Contents:

1. Efficiency in space planning to understand their relationships.
2. Data collection, survey and analysis of existing living spaces.
3. Qualitative aspects of space through small design exercises. Preferably small Residential living space like kitchen, Bed rooms, study space etc. up to 50 sq.mt

B.DES. 02 - 02
SUBJECT : THEORY OF DESIGN & V. ARTS – II
 SYLLABUS FOR SECOND SEM. – B.DES. DEGREE COURSE

Lectures – 16	Paper - -	Internal - 60
Studio - 112	Duration - -	External - -100
Total - 128		Theory - -
		Total - 160

Visual Arts/Aesthetics is an art of sensitive appreciation of the “beautiful” It is the pursuit and devotion to beauty and refined taste. It is developing a well developed sense of beauty. Visual Art is an art of Aesthetics. Sense of Aesthetics helps us to create the simple things of life in a more presentable manner.

A simple ordinary thing or an object when treated with aesthetic sense becomes extraordinary and unusual. Visual Art can be termed as an art of presenting a thing, an object, or a design in such a fashion that it looks more beautiful and desirable.

Theory of design is subject in which basic elements and principles of design is being studied, and application is done in studio periods of visual arts. Ultimately Theory of design and Visual arts is used in subject Design for making living spaces more beautiful and desirable.

Contents:

7. 2D & 3D visual compositions-
8. Colour planning –Visual effects/ Psychology/ Application.
9. Texture planning –Visual effects / Application.
4. Introduction to furniture Aesthetics.
5. Appreciation of Art- Study of painting & photographs. Introduction of fine arts like painting, Music poetry, drama etc.
6. Appreciation of arts may who includes study of forms in relation to visual arts.
7. Visual arts a collage or a graphical presentation about issues appearing to the student.

B.DES. 02 - 03
SUBJECT : WORK SOP – II
 SYLLABUS FOR SECOND SEM. – B.DES. DEGREE COURSE

Lectures – 64	Paper - -	Internal - 60
Studio - -	Duration - -	External - -
Total - 64		Theory - -
		Total - 60

Understand material and tools by making objects which allow students to explore forms, surfaces, textures, and patterns i.e. elements and principles of design from Theory of Design & Visual Arts. Explore different joinery, support conditions and woven surfaces under trained experienced master craftsman. Also clear to communicate and establish dialogue between designed crafts skills.

Perceive and understand materials and tools by exploring. The help through visual learning. To established design & craft skill relationship and revel through appreciation of the profession.

Experiential work shop methods are but suite for such learning when craft, print, color, etc elemental activity may be conducted.

Contents:

To play with all types of materials like

1. Glass,
2. Bamboo and Cane,
3. Wood,
4. Colors application in all mediums, etc.

B.DES. 02 - 04
SUBJECT : BUILDING TECHNOLOGY – II
 SYLLABUS FOR SECOND SEM. – B.DES. DEGREE COURSE

Lectures – 32	Paper - 80	Internal - 40
Studio - 64	Duration - 4 Hrs	External - -
Total - 96		Theory - 80
		Total - 120

Contents:

1. Buildings materials – Glass, metals, wood, introduction to the coatings like painting, varnishing, polishing, wall papers etc...
2. Types, uses & strength of materials.
3. STUDIO WORK.
 - Introduction to types of doors & windows
 - Doors windows in wood, steel and aluminum.
 - Understanding and exposure of hardware, etc.
 4. Market surveys based on above mentioned different materials.
 5. above topics can be expressed through model making also.
 6. introduction to basic hardware used in furnitures

B.DES. 02 - 05
SUBJECT : GRAPHICS & CAD – II
 SYLLABUS FOR SECOND SEM. – B.DES. DEGREE COURSE

Lectures – 32	Paper - 80	Internal - 50
Studio - 64	Duration - 3 Hrs	External - 50
Total - 96		Theory - 50
		Total - 150

Drawing skills as tools to design thinking, visualization and representation initial familiarization with drawing materials and equipments is followed by basic understandings about the point and the line, straight and curvilinear. Principles of plane geometry, scale orthographic projections of point's lines planes and solids are understood

Gradually through exercises dealing with sections of solids, simple and complex, Development of surfaces, objects, etc.

Use of Auto CAD – Students are practical to get them the use of CAD by using simple drawing & molding compounds, to dose simple object only.

Contents:

1. Isometric, Oblique, Axonometric projections.
2. Rendering techniques of 2D and 3D drawings and sciography, Human Figures and accessories in 2D and 3D.
3. Lettering and use of stencils in drawings.
4. CAD I -Introduction and application of Use of Drawing modifying, editing text, dimensioning command. Students are expected to draw simple drawings by using all above-mentioned command.

B.DES. 02 - 06
SUBJECT: COMMUNICATION SKILLS – II
 SYLLABUS FOR SECOND SEM. – B.DES. DEGREE COURSE

Lectures – 32	Paper -	Internal - 25
Studio -	Duration -	External -
Total - 32		Theory -
		Total - 25

Art of communicating in English in professional world

Contents:

1. Use of appropriate words and clarity of messages giving.
2. Speech and image making – speech and personality development.
3. Business writing.
4. Debate and group discussion.
5. Time management & interpersonal skills.
6. Presentation Skills.
7. Reading magazine of Interior & Architecture art cultural.

B.DES. 02 - 07
SUBJECT: HISTORY – II
 SYLLABUS FOR SECOND SEM. – B.DES. DEGREE COURSE

Lectures – 32	Paper -	Internal - 25
Studio -	Duration -	External -
Total - 32		Theory -
		Total - 25

Contents:

1. Study of furniture from different era .
2. Significance of furniture.
3. History of furniture from ancient world, middle ages.
4. Study of Italian, French, English furniture.
5. Study of modern furniture.

Bachelor of Design – First Year (B.Des)
Semester – II
Sub- Design - II

Total Marks: - 50

Duration: - 6 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)

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

Bachelor of Design – First Year (B.Des)
Semester – II
Sub- Building Technology- II

Total Marks: - 80

Duration: - 4 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.
 4. Draw neat sketches wherever necessary.
-

Q. 1	Draw / sketch of the given subject.	20
Q. 2	Explain the following. (Any two)	20
	A)	
	B)	
	C)	
Q. 3	Write in brief answers of the following. (Any one)	10
	A)	
	B)	
Q. 4	Explain with sketches. (Any two)	15
	A)	
	B)	
	C)	
	D)	
Q. 5	Write short notes (Any three)	15
	A)	
	B)	
	C)	
	D)	

Bachelor of Design – First Year (B.Des)**Semester – II****Sub- Graphics & CAD - II****Total Marks: - 50****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. 15
- Q. 2 Draw isomeric \ oblique \ axonometric view of the object given. 25
- Q. 3 Draw sketch view of the object given. 10

SHIVAJI UNIVERSITY, KOLHAPUR

Syllabus for

Bachelor of Design (Interior)

Second year – semester 3rd & 4th

June 2011 onwards

B.DES.	Interior Services - I	2	-	50	50	-	100
03-06							
B.DES.	Graphics - III	1	5	-	50	-	50
03-07							
B.DES.	History- III	2	-	50	50	-	100
03-08							
B.DES.	Presentation Techniques - I	1	2	-	50	-	50
03-09							
	Total	11	25	200	500	-	700

Third Semester Total periods per week – 36

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

EQUIVALANCE WITH OLD SYLLABUS

SEM. III & IV

Old		New	
Subject	Old Name of the Subject	Subject	New Name of the Subject
Code		Code	
	(A) Design - II	B.DES.	Int. Design - III
		03/4-01	
	(B) Furniture Design - I	B.DES.	Furniture Design-I
		03/4-02	
	Visual Arts	B.DES.	Theory of design& Visual Arts-III
		03/4-03	
	Workshop - II	B.DES.	Work shop – III
		03/4-04	
	(B) Interior Technology - I	B.DES.	Interior
		03/4-05	Technology & Material
			Services - I
	(B) Interior Services - I	B.DES.	Interior Services - I
		03/4-06	
	Graphics/CAD - II	B.DES.	Graphics - III
		03/4-07	
	History - II	B.DES.	History- III
		03/4-08	
		B.DES.	Presentation Techniques - I
		03/4-09	

Students appeared in Old Syllabus will be given only 2(Two) attempts.

SUBJECT : INTERIOR DESIGN – III

SYLLABUS FOR THIRD SEM. – B.DES. DEGREE COURSE

Lectures - 16	Paper	-	-	Internal	- 100
Studio - 112	Duration	-	-	External	- -
Total - 128				Theory	- -
				Total	- 100

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.

The student will be able to:

- Use a variety of drawing media to effectively communicate design development
- Use a variety of drawing media to effectively communicate design solutions
- Understand and discuss the interior environment in the context of the exterior
- Discuss and orally present how artifacts enhance and reflect concept

- Explore a variety of visual presentation techniques
- Improve verbal presentation skills through daily informal presentations of renderings

Assessment:

- Continuous assessment and marking system should be followed
- At least one common design problem for all colleges
- 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.

SUBJECT : FURNITURE DESIGN -I

SYLLABUS FOR THIRD SEM. – B.DES. DEGREE COURSE

Lectures - 16	Paper	-	Internal	- 50
Studio - 16	Duration	-	External	-
Total - 32			Theory	-
			Total	- 50

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

Contents:

- Understanding the critical issues of human anthropometrics, details and aesthetics through models mockup and prototypes. Small pieces of furniture design. Like designing a sitting elements, centre table, etc. and full-size drawings and prototype to understand critical nature of each and every dimension, detail and its comfortable value with material used.

SUBJECT : THEORY OF DESIGN& VISUAL ARTS-III

SYLLABUS FOR THIRD SEM. – B.DES. DEGREE COURSE

Lectures - 16	Paper - -	Internal - 50
Studio - 48	Duration - -	External - -
Total - 64		Theory - -
		Total - 50

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.

The content must stress on three areas.

- Intellectual – theoretic, discursive, analytic, critical aesthetics.
- Visual – two and three dimensional, black and white & colour, DVDs and CDs on art films, films on artists, even feature films known for excellence in the visual.
- Skills – techniques, technology, skills of doing things by hand, traditional crafts etc.

History of Fine Arts, study of Isms.

Students 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.

Assessment:

The sessional works shall consist of 3D model and Project report writing and seminars on selected project based on the subject.

SUBJECT : WORKSHOP-III

SYLLABUS FOR THIRD SEM. – B.DES. DEGREE COURSE

Lectures - -	Paper - -	Internal - 50
Studio - 64	Duration - -	External - -
Total - 64		Theory - -
		Total - 50

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

Contents:

- ☐ To deal with all types of materials-like Metal, Plaster of Paris etc..

- ☐ Site training and hands on experience.

- ☐ Preparation of Block models, Preliminary models & finish models for Interior

Design.

- ☐ The subject should be effectively linked with Interior design and more stress will be laid to onsite training and hands on experience.

SUBJECT : INTERIOR TECHNOLOGY & MATERIAL - I

SYLLABUS FOR THIRD SEM. – B.DES. DEGREE COURSE

Lectures - 32	Paper	100	Internal	-	50
Studio - 48	Duration	4 hrs.	External	-	-
Total - 80			Theory	-	100
			Total	-	150

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.

- STAIRCASES

Types of staircases- materials used- wooden, m.s. etc. construction.

- 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.

- PARTITION & PANELLING

Construction of paneling-materials used for paneling-ply, glass, gypsum, P.O.P, partition types, full partitions, part partitions-construction of partitions, P.O.P, gypsum introduction to modular, ready to assemble partitions.

Assessment:

- Continuous assessment and marking system should be followed
- Common Question Bank should be prepared for the paper of this subject on theoretical part which will revise after every three exams of this semester with incorporating new materials and technology.
- Internal and External exams will be based on above understanding of topics.

MARKET SURVEY OF ALL ABOVE MATERIALS HAS TO BE DONE BY THE STUDENTS.

SUBJECT : INTERIOR SERVICES - I

SYLLABUS FOR THIRD SEM. – B.DES. DEGREE COURSE

Lectures - 32	Paper	- 50	Internal	- 50
Studio - -	Duration	- 2 hrs.	External	- -
Total - 32			Theory	- 50
			Total	- 100

- **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

Accessories - Bathroom Accessories.

- **Building Drainage system**

Introduction - principle of drawing - system of plumbing – One pipe, two pipe etc - Comparison of systems - systems recommended - Vent pipes - symphonic 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..

- **Building 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 & non-pressure types - Tank-less water heaters - Gas heaters – central hot water system - hot water piping layout – Principles of design, Return Circulation System - Solar thermal energy - space type water heater - Hot water supply layout- etc..

Assessment:

- Continuous assessment and marking system should be followed
- Common Question Bank should be prepared for the paper of this subject which will revise after every three exams of this semester.
- For internal assessment, each topic should be assessed on basis of sketches and tutorials

B.DES. 03 - 07

SUBJECT : GRAPHICS – III

SYLLABUS FOR THIRD SEM. – B.DES. DEGREE COURSE

Lectures - 16	Paper - -	Internal - 50
Studio - 80	Duration - -	External - -
Total - 96		Theory -
		Total - 100

The study of this subject is continuation of drafting skills, manually and computerized, with knowledge of perspective.

Part - I

- Introduction of perspective
- Principles of one point and Two point perspective of simple objects and Interior Design elements.
- Perspective of interiors and Exteriors using different eye levels.

SUBJECT : HISTORY - III

SYLLABUS FOR THIRD SEM. – B.DES. DEGREE COURSE

Lectures - 32	Paper - 50	Internal - 50
Studio - -	Duration - 2 hrs.	External - -
Total - 32		Theory - 50
		Total - 100

Objectives:

- 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.

Introduction to the Indian and European Architecture.

- Introduction to ancient civilization
- Temple Architecture - Surface decoration, treatments.
- Introduction of Egyptian, Greek, and Roman Architecture – study of interiors evolution of interior design. how it was affected by social, political forces etc...

Assessment:

- Continuous assessment and marking system should be followed
- Common Question Bank should be prepared for the paper of this subject which will revise after every three exams of this semester.
- For internal assessment, each topic should be assessed on basis of sketches and tutorials

- Study should be made with any furniture item with respect to function, structure and visual expression.

SUBJECT : PRESENTATION TECHNIQUES - I

SYLLABUS FOR THIRD SEM. – B.DES. DEGREE COURSE

Lectures -	16	Paper	-	-	Internal	-	50	
Studio	-	32	Duration	-	-	External	-	-
Total	-	48			Theory	-	-	
					Total	-	50	

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.

Computer application in Interior Design :-

- Use of draw tools, 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).
- Techniques of productivity and management using payers and symbol generation.
- Introduction to other drafting & presentation soft wares.

GENERAL NATURE OF QUESTION PAPERS.

Bachelor of Design – Second Year (B.Des)

Semester – III

Sub- Interior Technology & Material – I

Total Marks: - 100

Duration: - 4 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.
-

a. Design & Draft:

- | | |
|------|----|
| i) | 15 |
| ii) | 15 |
| iii) | 20 |

b. Answer the following with sketches:

- | | |
|----|----|
| a) | 05 |
| b) | 05 |

c. Answer the following:

- | | |
|----|----|
| a) | 10 |
| b) | 10 |

4. Answer the following questions:-

a) 10

b) 10

5. Answer the following questions in brief:

a) 10

b) 10

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)

SHIVAJI UNIVERSITY, KOLHAPUR

STRUCTURE OF FORTH SEM. B. DES. (INTERIOR DESIGN)

Subject	Subject	Teaching		Sem. IV	Examination Scheme		
		Lectures	Studios		Paper	Sessional	Oral
Code					Work	(Ext.)	
					(Int.)		
B.DES.	Int. Design - IV	1	7	100	50	100	250
04-01							
B.DES.	Furniture Design-II	1	1	-	50	-	50
04-02							
B.DES.	Theory of design& Visual Arts-	1	3	-	50	100	150
04-03	IV						
B.DES.	Work shop – IV	-	4	-	50	-	50
04-04							
B.DES.	Interior	2	3	100	50	100	250
04-05	Technology & Material - II						
B.DES.	Interior Services - II	2	-	50	50	-	100
04-06							
B.DES.	Graphics - IV	1	5	100	50	-	150

04-07							
B.DES.	History- IV	2	-	50	50	-	100
04-08							
B.DES.	Presentation Techniques - II	1	2	-	50	-	50
04-09							
	Total	11	25	400	450	-	1150

IV Semester Total periods per week – 36

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

SUBJECT : INTERIOR DESIGN – IV

SYLLABUS FOR FORTH SEM. – B.DES. DEGREE COURSE

Lectures - 16	Paper - 100	Internal - 50
Studio - 112	Duration - 9 hrs.	External - 100
Total - 128		Theory - -
		Total - 250

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.

The student will be able to:

- Use a variety of drawing media to effectively communicate design development
- Use a variety of drawing media to effectively communicate design solutions

- Understand and discuss the interior environment in the context of the exterior
- Discuss and orally present how artifacts enhance and reflect concept
- Explore a variety of visual presentation techniques
- Improve verbal presentation skills through daily informal presentations of renderings

Assessment:

- 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.

SUBJECT : FURNITURE DESIGN -II

SYLLABUS FOR FORTH SEM. – B.DES. DEGREE COURSE

Lectures - 16	Paper - -	Internal - 50
Studio - 16	Duration - -	External - -
Total - 32		Theory - -
		Total - 50

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

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

2. Developing of a particular furniture type

- 1) Identifying the furniture & activity
- 2) Define the material & Aesthetics aspects
- 3) Furniture the design data to ergonomics
- 4) 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.

Contents:

- Understanding the critical issues of human anthropometrics, details and aesthetics through models mockup and prototypes. Small pieces of furniture design. Like designing a sitting elements, cabinets, etc. and full-size drawings and prototype to understand critical nature of each and every dimension, detail and its comfortable value with material used.

SUBJECT : THEORY OF DESIGN& VISUAL ARTS-IV

SYLLABUS FOR FORTH SEM. – B.DES. DEGREE COURSE

Lectures - 16	Paper - -	Internal - 50
Studio - 48	Duration - -	External - 100
Total - 64		Theory - -
		Total - 150

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.

The content must stress on three areas.

- Intellectual – theoretic, discursive, analytic, critical aesthetics.
- Visual – two and three dimensional, black and white & colour, DVDs and CDs on art films, films on artists, even feature films known for excellence in the visual.
- Skills – techniques, technology, skills of doing things by hand, traditional crafts etc.

History of Fine Arts, study of Isms.

Students 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.

Assessment:

The sessional works shall consist of 3D model and Project report writing and seminars on

selected project based on the subject.

SUBJECT : WORKSHOP-IV

SYLLABUS FOR FORTH SEM. – B.DES. DEGREE COURSE

Lectures - -	Paper - -	Internal - 50
Studio - 64	Duration - -	External - -
Total - 64		Theory - -
		Total - 50

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.

Contents:

To deal with all types of materials like-

- Tile
- Photography

- Textile and Weaving etc.
- Site training and hands on experience.
- Preparation of Block models, Preliminary models, & finish models for Interior Design.
- The subject should be effectively linked with Interior design and more stress will be laid to onsite training and hands on experience.

SUBJECT : INTERIOR TECHNOLOGY & MATERIAL - II

SYLLABUS FOR FORTH SEM. – B.DES. DEGREE COURSE

Lectures - 32	Paper - 100	Internal - 50
Studio - 48	Duration - 4 hrs.	External - 100
Total - 80		Theory - 100
		Total - 250

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.

Contents:

- FALSE CEILING

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

- FLOORING MATERIALS AND ITS CONSTRUCTION

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

- METALS

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

metals, alloys, & their properties.

Assessment:

- Continuous assessment and marking system should be followed
- Common Question Bank should be prepared for the paper of this subject on theoretical part which will revise after every three exams of this semester with incorporating new materials and technology.
- Internal and External exams will be based on above understanding of topics.

MARKET SURVEY OF ALL ABOVE MATERIALS HAS TO BE DONE BY THE STUDENTS.

SUBJECT : INTERIOR SERVICES - II

SYLLABUS FOR FORTH SEM. – B.DES. DEGREE COURSE

Lectures - 32	Paper - 50	Internal - 50
Studio - -	Duration - 2 hrs.	External - -
Total - 32		Theory - 50
		Total - 100

- LIGHTING –NATURAL & ARTIFICIAL ILLUMINATION

Introduction - Natural lighting - " Artificial lighting.

Natural lighting - Daylight - Daylight factors

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 Lux , Lumens - illuminations required in Various areas - Variety of Lamps - Incandescent lamps - Tang stem Halogen lamps - Flurscent lamps - Mercury lamps - sodium vapor lamps - flicker Emergency lightings - Lighting Accessories - Protection devices-etc..

- CLIMATOLOGY & 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..

- FIRE PROTECTION

Introduction - fire protection - Requirement of water - systems of fire fighting - External & Internal - wet & dry riser - sprinkler system - fire fighting equipment - Means of escapes , staircase lifts – etc..

Assessment:

- Continuous assessment and marking system should be followed
- Common question Bank should be prepared for the paper of this subject which will revise after every three exams of this semester.
- For internal assessment, each topic should be assessed on basis of sketches and tutorials

SUBJECT : GRAPHICS – IV

SYLLABUS FOR FORTH SEM. – B.DES. DEGREE COURSE

Lectures - 16	Paper - 100	Internal - 50
Studio - 80	Duration - 3 hrs.	External - -
Total - 96		Theory - 100
		Total - 150

- Sciography of individual and different geometrical objects and of Interior/Exterior parts of buildings Study of shades and shadows.
- Application of sciography in in 2 point & 3 point perspective drawing.
- 3 D sketching – Design oriented.

Studio work based on design problem. Freehand sketches of design problems in perspective (interior and exterior) with shades and shadows.

Note:

Theory paper should be based on content of III Sem. and IV Sem. syllabus.

SUBJECT : HISTORY - IV

SYLLABUS FOR FORTH SEM. – B.DES. DEGREE COURSE

Lectures - 32	Paper - 50	Internal - 50
Studio - -	Duration - 2 hrs.	External - -
Total - 32		Theory - 50
		Total - 100

Objectives :

- 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.

Introduction to the Indian and western Architecture

- Islamic Architecture in India
- Introduction to the Byzantine Architecture
- Introduction to the Gothic Architecture
- Introduction to the Renaissance Architecture
- 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.

Assessment:

- Continuous assessment and marking system should be followed
- Common Question Bank should be prepared for the paper of this subject which will revise after every three exams of this semester.
- For internal assessment, each topic should be assessed on basis of sketches and tutorials
- Study should be made with any furniture item with respect to function, structure and visual expression.

SUBJECT : PRESENTATION TECHNIQUES - II

SYLLABUS FOR FORTH SEM. – B.DES. DEGREE COURSE

Lectures -	16	Paper	-	-	Internal	-	50	
Studio	-	32	Duration	-	-	External	-	-
Total	-	48			Theory	-	-	
					Total	-	50	

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.

Introduction to interactive multimedia technology for design presentation

Computer application in Interior Design

- 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.
- Concept of UCS
- 3 Dimensional drawings primitive mesh and surfaces.
- Viewing commands & view points.
- Introduction to shading & rendering.
- Rendering and hatching.

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 Distrubution will be as per requirments design problem)

GENERAL NATURE OF QUESTION PAPERS.

Bachelor of Design – Second Year (B.Des)

Semester – IV

Sub- Interior Technology & Material – II

Total Marks: - 100

Duration: - 4 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.
-

d. Design & Draft:

- | | |
|-----|----|
| iv) | 15 |
| v) | 15 |
| vi) | 20 |

e. Answer the following with sketches:

- | | |
|----|----|
| c) | 05 |
| d) | 05 |

f. Answer the following:

- | | |
|----|----|
| a) | 10 |
| b) | 10 |

4. Answer the following questions:-

a) 10

b) 10

5. Answer the following questions in brief:

a) 10

b) 10

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.

- | | | |
|---|--|----|
| 1 | 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) | 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)

10

4 Explain with sketches (any two)

a)

b)

c)

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 prespective view of the object given.

Q. 3 Draw sciography in plan, elevation & inprespective in Q no. 1 & Q. no 2

(Note:- Marking Distrubution will be as per requirments problem)

SHIVAJI UNIVERSITY, KOLHAPUR

Syllabus for

Bachelor of Design (Interior)

Third year – semester 5th & 6th

June 2012 onwards

STRUCTURE OF FIFTH SEM. B. DES. (INTERIOR DESIGN)

Subject Code	Subject	Teaching Scheme		Examination Scheme			
		Lectures	Studios	Paper	Sessional Work (Int.)	Oral (Ext)	Total
B.Des. 05-01	Int. Design - V	1	9	--	100	--	100
B.Des. 05-02	Furniture Design-III	1	1	--	50	--	50
B.Des. 05-03	Design Execution Drawing - I	1	5	--	100	--	100
B.Des. 05-04	Landscape & Environmental Science-I	1	3	--	50	--	50
B.Des. 05-05	Interior Technology & Material- III	1	4	100	50	--	150
B.Des. 05-06	Interior Services - III	2	--	50	50	--	100
B.Des. 05-07	Estimating & Costing - I	1	1	100	50	--	150
B.Des. 05-08	Professional Practice - I Sustainable Interiors - I	2 1	-- 1		--	50	--
B.Des. 05-09	Electives – I (1. Appreciation of literature 2. Appreciation of Indian dance, 3. Calligraphy 4. Cities matter (Urban management) 5. Color and form and meaning 6. Foreign languages 7. Interactive workshop – Music and life, Folk dance 8. Issues in building conservation 9. Looking at art 10. Sculpture 11. Media Appreciation 12. Print & Print Making 13. Project Scheduling 14. Movements & Isms in interiors	1	--	--	50	--	50
	Total	10	26	250	550	--	800

Fifth Semester Total periods per week – 36

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

EQUIVALANCE WITH OLD SYLLABUS
SEM. V & VI

Old Subject Code	Old Name of the Subject	New Subject Code	New Name of the Subject
	Design – III	B.Des. 05-01	Int. Design - V
	Furniture Design-I	B.Des. 05-02	Furniture Design-III

	Design Execution Drawing - I	B.Des. 05-03	Design Execution Drawing - I
	Landscape & Environmental Science-I	B.Des. 05-04	Landscape Design
	Interior Technology & Material- III	B.Des. 05-05	Interior Technology & Material- III
	Interior Services - III	B.Des. 05-06	Interior Services - III
	Estimating, Costing &	B.Des. 05-07	Estimating, Costing &
	Professional Practice - I		Professional Practice - I
	Computer Graphics	B.Des. 05-08	Sustainable Interiors - I
	Electives – I (1. Appreciation of literature 2. Appreciation of Indian dance, 3. Calligraphy 4. Cities matter (Urban management) 5. Color and form and meaning 6. Foreign languages 7. Interactive workshop – Music and life, Folk dance 8. Issues in building conservation 9. Looking at art 10. Sculpture 11. Media Appreciation 12. Print & Print Making 13. Project Scheduling 14. Movements & Isms in interiors	B.Des. 05-09	Electives – I (1. Appreciation of literature 2. Appreciation of Indian dance, 3. Calligraphy 4. Cities matter (Urban management) 5. Color and form and meaning 6. Foreign languages 7. Interactive workshop – Music and life, Folk dance 8. Issues in building conservation 9. Looking at art 10. Sculpture 11. Media Appreciation 12. Print & Print Making 13. Project Scheduling 14. Movements & Isms in interiors
	History		

Students appeared in Old Syllabus will be given only 2(Two) attempts.

B.DES. 05 - 01
SUBJECT: INTERIOR DESIGN – V
 SYLLABUS FOR FIFTH SEM. – B.DES. DEGREE COURSE

Lectures - 16	Paper - -	Internal - 100
Studio - 144	Duration - -	External - -
Total - 160		Theory - -
		Total - 100

This continues to be the main subject in the curriculum. Interior design problems of highly complex nature are to be tackled by the students. At least three design portfolios are to be prepared by the students in this year.

Contents:

1. Studies of highly complex and complicated spaces and designs.
2. Design of large scale and specialized multi- functional interior spaces like Auditorium, museums, shopping and entertainment malls, hospitals Administrative buildings, hospitality etc. (area – about 250 sq.mt. to 600 sq.mt.)

The student will be able to:

- Use a variety of drawing media to effectively communicate design development
- Use a variety of drawing media to effectively communicate design solutions
- Understand and discuss the interior environment in the context of the exterior
- Discuss and orally present how artifacts enhance and reflect concept
- Explore a variety of visual presentation techniques
- Improve verbal presentation skills through daily informal presentations of renderings

Assessment:

- Continuous assessment and marking system should be followed
- At least one common design problem for all colleges
- 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.

SUBJECT : FURNITURE DESIGN -III
SYLLABUS FOR FIFTH SEM. – B.DES. DEGREE COURSE

Lectures - 16	Paper - -	Internal - -50
Studio - 16	Duration - -	External - -
Total - 32		Theory - -
		Total - -50

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. Modular in furniture design like closets, kitchen cabinets, displays, etc.

2. Understanding of modular approach, viability and validity of each component in furniture element. By using materials like wood, glass, metals, F.R.P., leather, etc. System Design approach and space planning through minimum one residential and commercial furniture as elements of design.

1. Understanding of modular space furniture

- With reference to- mass furniture, Mfg. technology, packing & transport, inspection & organizing, material & detailing, With reference to ergonomics & adjustability.

2. Developing of datelines of furniture

- Structural aspect
- Joinery / Connections
- Finishing & Materials
- Aesthetical refinement & Transmutation

Contents:

- Understanding the critical issues of human anthropometrics, details and aesthetics through models mockup and prototypes. Small pieces of furniture design. Like designing a sitting elements, centre table, etc. and full-size drawings and prototype to understand critical nature of each and every dimension, detail and its comfortable value with material used.

B.DES. 05 - 03
SUBJECT : DESIGN EXECUTION DRAWING - I
 SYLLABUS FOR FIFTH SEM. – B.DES. - DEGREE COURSE

Lectures - 16	Paper - -	Internal – 100
Studio – 80	Duration - -	External - -
Total - 96		Theory - - Total - 100

This subject provides the technical base for the execution of the designer's ideas. He has to learn to make technical drawings explaining to the workmen how execute the design in actual.

Contents:

Working drawing and details of two to three interior design projects in both the semesters (preferably the student's own designs done in the second year. One residential project and other commercial project) should be completed by the students and presented as portfolios, minimum one portfolio should be done by hand drafting and others by computerized Drafting.

Assessment:

- Continuous assessment and marking system should be followed
- Internal and External exams will be based on above understanding of topics
- Study should be made with any furniture item with respect to function, structure and visual expression

B.DES. 05 - 04
SUBJECT : LANDSCAPE DESIGN -I
 SYLLABUS FOR FIFTH SEM. – B.DES. DEGREE COURSE

Lectures - 16	Paper - -	Internal – 50
Studio – 48	Duration - -	External - -
Total - 64		Theory - - Total - 50

Transportation of interior spaces through natural element of Design –

Contents:

Study of plants, their form related to interior & outdoor herbarium, layout, drawing. •
 Study of plants/ trees-Designing outdoor, gardens, fountains, indoor and outdoor landscape, features its construction- electrification – services.

• Introduction to Environmental Science such as pollution control, water treatment, rain water harvesting and recycling Landscape.

- Study of various landscape elements
- Study of plants (trees, & ground lovers in terms of their shape, size, form, color texture etc. study of various indoor as well as outdoor plants & their uses in landscape design.
- Study of landscapes, their use in landscape.
- Introductions to design principals & methodology of landscape design

Assessment:

- Continuous assessment and marking system should be followed
- Internal and External exams will be based on above understanding of topics

B.DES. 05 - 05
SUBJECT : INTERIOR TECHNOLOGY & MATERIAL -III
 SYLLABUS FOR FIFTH SEM. – B.DES. DEGREE COURSE

Lectures - 16 Studio – 80 Total - 96	Paper – 100 Duration – 4 Hrs.	Internal – 50 External - - Theory - 100 Total - 150
--	----------------------------------	--

This subject will provide an advanced understanding of the art and technique or Construction. 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.

Contents:

- Advanced materials and its constructions.-like –
A.C.P – Used as interior material
 Used for exterior with details
- **Polycarbonate sheet:** - For Parking, courtyard or open to sky covering. Hardware, Fittings and fixtures, Electrical layout, symbol etc
- 3. Acostical doors, window, wall treatment
- 4. Any other advanced technology, used in interiors is recommended to Introduce and give detailed study of it.
- 5. Studio work - Actual site experiences and implementation of above Mentioned topics in design.
- 6. Market surveys based on above mentioned different materials.

Assessment:

- Continuous assessment and marking system should be followed
- Common Question Bank should be prepared for the paper of this subject on Theoretical part which will revise after every three exams of this semester with Incorporating new materials and technology.
- Internal and External exams will be based on above understanding of topics.

MARKET SURVEY OF ALL ABOVE MATERIALS HAS TO BE DONE BY THE STUDENTS

B.DES. 05 - 06
SUBJECT : INTERIOR SERVICES -III
 SYLLABUS FOR FIFTH SEM. – B.DES. DEGREE COURSE

Lectures - 16	Paper – 50	Internal – 50
Studio – 16	Duration – 2 Hrs.	External -
Total - 32		Theory - 50
		Total - 100

Contents:

1. Advance building services like.

i) **H. V. A. C. Detail –**

Type of A.C :-System of air conditioning – central plant – refrigerants – chillers-
 planning & Installation – genarl AC layout etc...

2 Artificial lighting and different types of wiring:-

Planpping for lighting:- Position of lighting points – strenght of light – type of light –
 type of light & its cover Type of fixtures :- Elements of fixtures etc...

Different type of Wiring system, LUX

M.C.B. Earthing, genarl eletric layout of a residence- etc..

3) security systems:-

Security system equivalents like C.C. T.V. Glass break detectors, advance access controls
 etc.

4) Acoustics and sound insulating materials:-

Behavior of sound in an enclosed space materiala used for sound insulation.

Different methods of reduction & insulation of unwanted sound,,,,, etc..

Assessment:

- Continuous assessment and marking system should be followed
- Common Question Bank should be prepared for the paper of this subject which will revise after every three exams of this semester.
- For internal assessment, each topic should be assessed on basis of sketches and tutorials

B.DES. 05 - 07
SUBJECT : ESTIMATION & COSTING - I
 SYLLABUS FOR FIFTH SEM. – B.DES. DEGREE COURSE

Lectures – 16	Paper – 100	Internal – 50
Studio – 16	Duration – 4 Hrs.	External - -
Total - 32		Theory - - Total - 150

Note: Their will combine paper of estimation and costing and professional practice of duration 4 hrs. for 100 marks.

Contents:

1. Basic material & their rates i.e. stone, brick, clay product, cement, plaster of Paris, timber artificial boards, laminates fitting & fixtures, glass, plastic, metal, etc.
2. Quantity survey of single & multi items.
4. Estimate of single & multi items.
5. Preparation of estimate for small interior design scheme.

Studio – Based on above – mentioned topics.

- Introduction
- What Is a Estimation
- Methods of Estimation
- Data required for Estimate
- Types of Estimations
- Mode of measurement
- Contingencies

Assessment:

- Continuous assessment and marking system should be followed
- Common Question Bank should be prepared for the paper of this subject which will revise after every three exams of this semester.
- For internal assessment, each topic should be assessed on basis of sketches and tutorials

B.DES. 05 - 07
SUBJECT : PROFESSIONAL PRACTICE - I
 SYLLABUS FOR FIFTH SEM. – B.DES. DEGREE COURSE

Lectures – 32	Paper –	Internal –
Studio –	Duration –	External - -
Total - 32		Theory - -
		Total -

Note: Their will combine paper of estimation and costing and professional practice of duration 4 hrs. for 100 marks.

Introduction to professionalism, design practice, working of design organization

Contents: -

- The profession of interior design.
- Professional preparation- Education preparation ,professional association
- Characteristics of interior designer.
- Office management-clients, site management, professional correspondence, recruitment of staff etc.

Assessment:

- Continuous assessment and marking system should be followed
- Common Question Bank should be prepared for the paper of this subject which will revise after every three exams of this semester.
- For internal assessment, each topic should be assessed on basis of sketches and Tutorials

B.DES. 05 - 08
SUBJECT : SUSTAINABLE INTERIORS - I
 SYLLABUS FOR FIFTH SEM. – B.DES. DEGREE COURSE

Lectures – 2	Paper –	Internal – 50
Studio –	Duration –	External - -
Total - 32		Theory - - Total - 50

• **INTRODUCTION**

After the era of industrial revolution the necessity of Green Interiors is becoming an essential parameter in designing. The efficient use of our natural resources is vitally important to our futures. Energy and environmental related costs represent only a small portion of the full costs of the facility. The human capital that occupies a facility is, by far and away, the largest cost of any facility. Critical to a building's success is its impact on people, individually and collectively.

There is growing recognition within the sustainability movement that to be truly effective, a green facility must do more than effectively use natural resources. These facilities need to nurture the health, prosperity and general well being of the inhabitants of its interior spaces.

Contents:

- Sustainable interiors designing is possible by adopting various policies
- The Concept of Sustainable Interiors
- Principles of Sustainable Interior Design,
- BENEFITS OF GREEN INTERIORS
- What is Indoor Environment Quality (IEQ)
- Elements associated to IEQ –

Assessment:

- Continuous assessment and marking system should be followed
- Internal and External exams will be based on above understanding of topics.

B.DES. 05 - 09
SUBJECT : ELECTIVES & SEMINARS - I
 SYLLABUS FOR FIFTH SEM. – B.DES. DEGREE COURSE

Lectures – 2	Paper –	Internal – 50
Studio – Total - 32	Duration –	External - - Theory - - Total - 50

General elective seminars are exposure and value addition courses which are selected out of wider choices of subjects and offered in combination uniquely designed each year based on the topical value, resources, and personals availabilities. Electives are offered in major areas of other related creative fields like... Appreciation of literature, Appreciation of Indian dance, Calligraphy Cities matter (Urban management) Color and form and meaning, Foreign languages ,Interactive workshop – Music and life, Folk dance,Issues in building conservation,Looking at art,Sculpture,Media Appreciation, Print & Print Making,. Project Scheduling, Movements & Isms in interiors,

The major areas are

(1) Humanities (2) History (3) Art (4) Craft (5) Management.

Assessment:

- Continuous assessment and marking system should be followed
- Internal and External exams will be based on above understanding of topics.
 - Fianl PPT presentation & printed reports.

GENERAL GUIDELINES OF QUESTION PAPERS

(Which may get differ Slight according to weightage of the questions)

Bachelor of Design – Third Year (B.Des)**Semester – V****Sub- Interior Technology - III****Total Marks: - 100****Duration: - 4 hrs****Instructions:-**

- **Q. No.1 is compulsory and solve any three from remaining.**
- **Figures given to the right indicate marks of the questions.**
- **Use of calculator is permissible.**
- **Draw neat sketches wherever necessary.**

Q. 1	Question of design and drafting of concern topic. (Plan, elevation, section, etc as specified.)	40
Q. 2	Write in brief or discuss following (Any two) A) B) C)	20
Q. 3	Describe the following (Any one) A) B)	20
Q. 4	Write short notes (Any four) A) B) C) D) E)	20
Q. 4	Explain the following (Any four) A) B) C) D) E)	20

GENERAL GUIDELINES OF QUESTION PAPERS

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

**Total Marks: - 50
Duration: - 2 hrs**

Instructions:-

- **All the questions are compulsory.**
- **Figures given to the right indicate marks of the questions.**
- **Draw neat sketches wherever necessary.**

- | | | |
|------|--|----|
| Q. 1 | Draw sketches of the given subject. (Any two) | 10 |
| | A) | |
| | B) | |
| | C) | |
| Q. 2 | Explain the following. (Any one) | 10 |
| | A) | |
| | B) | |
| Q. 3 | Write in brief answers of the following. (Any two) | 10 |
| | A) | |
| | B) | |
| | C) | |
| Q. 4 | Explain with sketches. (Any four) | 20 |
| | A) | |
| | B) | |
| | C) | |
| | D) | |
| | E) | |

GENERAL GUIDELINES OF QUESTION PAPERS

**Bachelor of Design – Third Year (B.Des)
Semester – V
Sub- Estimation, Costing and Professional Practice - I**

Total Marks: - 100

Duration: - 4 hrs

Instructions:-

- **All the questions are compulsory.**
- **Figures given to the right indicate marks of the questions.**
- **Draw neat sketches wherever necessary.**
- **Use of calculator is permissible**
- **Assume suitable data wherever necessary.**

Q. 1	Explain. (Any two) A) B) C)	10
Q. 2	explain the following. (Any one) A) B)	10
Q. 3	Write in brief answers of the following. (Any two) A) B) C)	10
Q. 4	Short notes. (Any four) A) B) C) D) E)	20
Q. 5	Write mode of measurement and prevailing market rates of the following items.	10
Q. 6	Short notes. (Any Three) A) B) C) D)	12
Q. 7	Explain. (Any One) A) B)	8
Q. 8	Workout the quantities required for the items of the sketch given. Prepare measurement and abstract .	20

STRUCTURE OF SIXTH SEM. B. DES. (INTERIOR DESIGN)

Subject Code	Subject	Teaching Scheme		Examination Scheme			
		Lectures	Studios	Paper	Sessional Work (Int.)	Oral (Ext)	Total
B.Des. 06-01	Design - VI	1	9	150	100	100	350
B.Des. 06-02	Furniture Design-IV	1	1	--	50	--	50
B.Des. 06-03	Design Execution Drawing - II	1	5	--	100	100	200
B.Des. 06-04	Landscape & Environmental Science-II	1	3		50	50	100
B.Des. 06-05	Interior Technology & Material- IV	1	4	100	50	--	150
B.Des. 06-06	Interior Services - IV	2	--	50	50		100
B.Des. 06-07	Estimating, Costing &	1	1		50	--	150
	Professional Practice - II	2	--				
B.Des. 06-08	Sustainable Interiors - II	1	1	--	50	--	50
B.Des. 06-09	Electives – I (1. Appreciation of literature 2. Appreciation of Indian dance, 3. Calligraphy 4. Cities matter (Urban management) 5. Color and form and meaning 6. Foreign languages 7. Interactive workshop – Music and life, Folk dance 8. Issues in building conservation 9. Looking at art 10. Sculpture 11. Media Appreciation 12. Print & Print Making 13. Project Scheduling 14. Movements & Isms in interiors	1	--	--	50	--	50
	Total	10	26	400	550	250	1200

Fifth Semester Total periods per week – 36

B.DES. 06 - 01

SUBJECT : INTERIOR DESIGN – VI
SYLLABUS FOR SIXTH SEM. – B.DES. - DEGREE COURSE

Lectures - 16	Paper – 100	Internal - 100
Studio - 144	Duration – 09 Hrs.	External - 100
Total - 160		Theory - - 100
		Total - 300

This continues to be the main subject in the curriculum. Interior design problems of highly complex nature are to be tackled by the students. At least three design portfolios are to be prepared by the students in this year.

Contents:

1. Studies of highly complex and complicated spaces and designs.
2. Design of large scale and specialized multi- functional interior spaces like Auditorium, museums, shopping and entertainment malls, hospitals
Administrative buildings, hospitality etc. (area – about 250 sq.mt. to 600 sq.mt.)

The student will be able to:

- Use a variety of drawing media to effectively communicate design development.
- Use a variety of drawing media to effectively communicate design solutions.
- Understand and discuss the interior environment in the context of the exterior.
- Discuss and orally present how artifacts enhance and reflect concept.
- Explore a variety of visual presentation techniques.
- Improve verbal presentation skills through daily informal presentations of renderings.

Assessment:

- Continuous assessment and marking system should be followed.
- At least one common design problem for all colleges.
- 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.

B.DES. 06 - 02
SUBJECT : FURNITURE DESIGN -IV
 SYLLABUS FOR SIXTH SEM. – B.DES -. DEGREE COURSE

Lectures - 16	Paper - -	Internal - -50
Studio - 16	Duration - -	External - -
Total - 32		Theory - - Total - -50

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. Modular in furniture design like closets, kitchen cabinets, displays, etc.
2. Understanding of modular approach, viability and validity of each component in furniture element. By using materials like wood, glass, metals, F.R.P., leather, etc. System Design approach and space planning through minimum one residential and commercial furniture as elements of design.

1. Understanding of modular space furniture

- With reference to- mass furniture, Mfg. technology, packing & transport, inspection & organizing, material & detailing, With reference to ergonomics & adjustability.

2. Developing of datelines of furniture

- Structural aspect
- Joinery / Connections
- Finishing & Materials
- Aesthetical refinement & Transmutation

Contents:

- Understanding the critical issues of human anthropometrics, details and aesthetics through models mockup and prototypes. Small pieces of furniture design. Like designing a sitting elements, centre table, etc. and full-size drawings and prototype to understand critical nature of each and every dimension, detail and its comfortable value with material used.

B.DES. 06 - 03
SUBJECT : DESIGN EXECUTION DRAWING - II
 SYLLABUS FOR SIXTH SEM. – B.DES. DEGREE COURSE

Lectures - 16 Studio – 80 Total - 96	Paper - - Duration - -	Internal – 100 External - 100 Theory - -
		Total - 200

This subject provides the technical base for the execution of the designer's ideas. He has to learn to make technical drawings explaining to the workmen how execute the design in actual.

Contents:

Working drawing and details of two to three interior design projects in both the semesters (preferably the student's own designs done in the second year. One residential project and other commercial project) should be completed by the students and presented as portfolios, minimum one portfolio should be done by hand drafting and others by computerized Drafting.

Assessment:

- Continuous assessment and marking system should be followed
- Internal and External exams will be based on above understanding of topics
- Study should be made with any furniture item with respect to function, structure and visual expression

B.DES. 06 - 04
SUBJECT : LANDSCAPE DESIGN-II
 SYLLABUS FOR SIXTH SEM. – B.DES. - DEGREE COURSE

Lectures - 16	Paper - -	Internal – 50
Studio – 48	Duration - -	External – 50
Total - 64		Theory - - Total - 100

Transportation of interior spaces through natural element of Design –

Contents:

Study of plants, their form related to interior & outdoor herbarium, layout, drawing. •
 Study of plants/ trees-Designing outdoor, gardens, fountains, indoor and outdoor landscape, features its construction- electrification – services.

• Introduction to Environmental Science such as pollution control, water treatment, rain water harvesting and recycling Landscape

- Study of various landscape elements
- Study of plants (trees, & ground lovers in terms of their shape, size, form, color texture etc. study of various indoor as well as outdoor plants & their uses in landscape design.
- Study of landscapes, their use in landscape.
- Introductions to design principals & methodology of landscape design
- Landscape design problem.

Assessment:

- Continuous assessment and marking system should be followed
- At least one common design problem for all colleges
- 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.

B.DES. 06 - 05
SUBJECT : INTERIOR TECHNOLOGY & MATERIAL - IV
 SYLLABUS FOR SIXTH SEM. – B.DES. DEGREE COURSE

Lectures - 16 Studio – 64 Total - 80	Paper – 100 Duration – 4 Hrs.	Internal – 50 External - - Theory - -
		Total - 150

This subject will provide an advanced understanding of the art and technique or Construction. 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-utitarian 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.

Contents:

1. Advanced Partitions: - Composite, Glass, modular, acoustical etc...
2. Paneling:- acoustical, Composite etc...
3. Ceilings:- Composite with services, acoustical etc...
- 4 Fire fighting doors & window etc...
6. Advance types of doors and their locking systems.
7. Studio work - Actual site experiences and implementation of above Mentioned topics in design.
8. Market surveys based on above mentioned different materials.

Assessment:

- Continuous assessment and marking system should be followed
- Common Question Bank should be prepared for the paper of this subject on Theoretical part which will revise after every three exams of this semester with Incorporating new materials and technology.
- Internal and External exams will be based on above understanding of topics.

MARKET SURVEY OF ALL ABOVE MATERIALS HAS TO BE DONE BY THE STUDENTS

B.DES. 06 - 06
SUBJECT : INTERIOR SERVICES -IV
 SYLLABUS FOR SIXTH SEM. – B.DES. - DEGREE COURSE

Lectures - 16 Studio – 16 Total - 32	Paper – 50 Duration – 2 Hrs.	Internal – 50 External - - Theory - 50
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Contents:

- Advance building services like.
 - Vertical transportation, etc.
 - study of different type of systems used for high rise structures like water supply system(hot & cold) , fire protection system , ducts , drainage system , garbage system, refuse chutes etc.
 - Swimming pools.
Introduction – types of pool- design criteria – construction of swimming pool – spring boards- quality of water – treatment of pool water – Disinfection of pool water etc..

Assessment:

- Continuous assessment and marking system should be followed
- Common Question Bank should be prepared for the paper of this subject which will revise after every three exams of this semester.
- For internal assessment, each topic should be assessed on basis of sketches and tutorials

B.DES. 06 - 07
SUBJECT : ESTIMATION & COSTING - II
 SYLLABUS FOR SIXTH SEM. – B.DES. - DEGREE COURSE

Lectures – 1	Paper – 50	Internal – 100
Studio – 1	Duration – 2 Hrs.	External - -
Total - 32		Theory - - Total - 150

Note: They will combine paper of estimation and costing and professional practice of duration 4 hrs. and 100 marks

Contents:

1. Basic material & their rates i.e. stone, brick, clay product, cement, plaster of Paris, timber artificial boards, laminates fitting & fixtures, glass, plastic, metal, etc.
2. Quantity survey, rate analysis and specification of single & multi items.
4. Estimate of single & multi items.
5. Preparation of estimate for small interior design scheme.

Studio – Based on above – mentioned topics.

- Report
- complete set of Estimate
- Bill of Quantities
- Schedule of Rates
- Administrative approval
- Prime cost & Provisional sum
- Rate analysis

Assessment:

- Continuous assessment and marking system should be followed
- Common Question Bank should be prepared for the paper of this subject which will revise after every three exams of this semester.
- For internal assessment, each topic should be assessed on basis of sketches and Tutorials.

B.DES. 06 - 07
SUBJECT : PROFESSIONAL PRACTICE - II
 SYLLABUS FOR SIXTH SEM. – B.DES. - DEGREE COURSE

Lectures – 2	Paper –	Internal –
Studio –	Duration –	External - -
Total - 32		Theory - -

		Total -
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Note: They will combine paper of estimation and costing and professional practice of duration 4 hrs. for 100 marks.

Introduction to professionalism, design practice, working of design organization

Contents: -

- Site Management for professional Interior Designer.
- Professional correspondence in practice.
- Tender, Tender documents, contract, and supervision.
- Site experience, visits, reports, and supervision.
- Measurements and records billing & certificate of payments, etc.

Note: They will combine paper of estimation and costing and professional practice of duration 4 hrs. for 100 marks.

Assessment:

- Continuous assessment and marking system should be followed
- Common Question Bank should be prepared for the paper of this subject which will revise after every three exams of this semester.
- For internal assessment, each topic should be assessed on basis of sketches and Tutorials

B.DES. 06 - 08

SUBJECT : SUSTAINABLE INTERIORS - II
SYLLABUS FOR SIXTH SEM. – B.DES. DEGREE COURSE

Lectures – 32	Paper –	Internal – 50
Studio –	Duration –	External - -
Total - 32		Theory - - Total - 50

After the era of industrial revolution the necessity of Green Interiors is becoming an essential parameter in designing. The efficient use of our natural resources is vitally important to our futures. Energy and environmental related costs represent only a small portion of the full costs of the facility. The human capital that occupies a facility is, by far and away, the largest cost of any facility. Critical to a building's success is its impact on people, individually and collectively.

There is growing recognition within the sustainability movement that to be truly effective, a green facility must do more than effectively use natural resources. These facilities need to nurture the health, prosperity and general well being of the inhabitants of its interior spaces.

Contents:

- Interior eco finishes like-
- Eco-furniture, reclaimed timber wood, eco palm wood, eco bamboo, lyptus wood, eco cork, *formaldehyde free fiberboard & fsc* certified fiberboard ,eco wheat board, strawboard, eco kirei board, rubber wood.
- Green interiors by indoor plants.
- Sustainable interiors by using human health friendly materials.

Assessment:

- Continuous assessment and marking system should be followed.
- For internal assessment, each topic should be assessed on basis of sketches and Tutorials

B.DES. 06 - 09
SUBJECT : ELECTIVES & SEMINARS - II
 SYLLABUS FOR SIXTH SEM. – B.DES. DEGREE COURSE

Lectures – 32 Studio –	Paper – Duration –	Internal – 50 External - -
Total - 32		Theory - -
		Total - 50

General elective seminars are exposure and value addition courses which are selected out of wider choices of subjects and offered in combination uniquely designed each year based on the topical value, resources, and personals availabilities. Electives are offered in major areas of other related creative fields like- Appreciation of literature, Appreciation of Indian dance, Calligraphy, Cities matter (Urban management) Color and form and meaning Foreign languages, Interactive workshop – Music and life, Folk dance, Issues in building conservation, Looking at art, Sculpture, Media Appreciation, Print & Print Making, Project Scheduling, Movements & Isms in interiors,

The major areas are

(1) Humanities (2) History (3) Art (4) Craft (5) Management.

Assessment:

- Continuous assessment and marking system should be followed.
- For internal assessment, each topic should be assessed on basis of sketches and Tutorials

GUIDELINES OF QUESTION PAPERS

(Which may get differ Slight according to weightage of the questions)

Bachelor of Design – Third Year (B.Des)**Semester – VI****Sub- Interior Technology - IV****Total Marks: - 100****Duration: - 4 hrs****Instructions:-**

- **Q. No.1 is compulsory and solve any three from remaining.**
- **Figures given to the right indicate marks of the questions.**
- **Use of calculator is permissible.**
- **Draw neat sketches wherever necessary.**

Q. 1	:Question of design and drafting of concern topic. (Plan, elevation, section, etc as specified.)	40
Q. 2	Write in brief or discuss following (Any two) A) B) C)	20
Q. 3	Describe the following (Any one) A) B)	20
Q. 4	Write short notes (Any four) A) B) C) D) E)	20
Q. 5	Explain the following (Any four) A) B) C) D) E)	20

GUIDELINES OF QUESTION PAPERS

**Bachelor of Design – Third Year (B.Des)
Semester – VI
Sub- Interior Services - IV**

Total Marks: - 50

Duration: - 2 hrs

Instructions:-

- **All the questions are compulsory.**
- **Figures given to the right indicate marks of the questions.**
- **Draw neat sketches wherever necessary.**

- | | | |
|------|--|----|
| Q. 1 | Draw sketches of the given subject. (Any two) | 10 |
| | A) | |
| | B) | |
| | C) | |
| Q. 2 | Explain the following. (Any one) | 10 |
| | A) | |
| | B) | |
| Q. 3 | Write in brief answers of the following. (Any two) | 10 |
| | A) | |
| | B) | |
| | C) | |
| Q. 4 | Explain with sketches. (Any four) | 20 |
| | A) | |
| | B) | |
| | C) | |
| | D) | |
| | E) | |

GUIDELINES OF QUESTION PAPERS

**Bachelor of Design – Third Year (B.Des)
Semester – VI
Sub- Estimation, Costing and Professional Practice - II**

**Total Marks: - 100
Duration: - 4 hrs**

Instructions:-

- All the questions are compulsory.
- Figures given to the right indicate marks of the questions.
- Draw neat sketches wherever necessary.
- Use of calculator is permissible
- Assume suitable data wherever necessary.

Q. 1	Explain. (Any two) A) B) C)	10
Q. 2	Explain the following. (Any one) A) B)	10
Q. 3	Write in brief answers of the following. (Any two) A) B) C)	10
Q. 4	Short notes . (Any four) A) B) C) D) E)	20
Q. 5	Write mode of measurement and prevailing market rats of the following items.	10
Q. 6	Short notes . (Any Three) A) B) C) D)	12
Q. 7	Explain. (Any one) A) B)	8
Q. 8	Workout the quantities required for the items of the sketch given. Prepare measurement and abstract .	20

GUIDELINES OF QUESTION PAPERS

**Bachelor of Design – Third Year (B.Des)
Semester – VI
Sub- Design - VI**

**Total Marks: - 100
Duration: - 9 hrs**

Instructions:-

- **Assume suitable data wherever necessary and mention it.**
- **You can use only suitable presentation technique on the given paper only.**
- **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 design problem)

SHIVAJI UNIVERSITY, KOLHAPUR

Syllabus for

Bachelor of Design (Interior)

Fourth year – semester 7th & 8th

June 2013 onwards

STRUCTURE OF SEVENTH SEM. B. DES. (INTERIOR DESIGN)

Subject Code	Subject	Teaching Scheme		Examination Scheme			
		Lectures	Studios	Paper	Sessional Work (Int.)	Oral (Ext)	Total
B.Des. 07-01	Int. Design – VII	1	9	-	100	--	100
B.Des. 07-02	Furniture Design-III	-	4	--	50	--	50
B.Des. 07-03	Design Execution Drawing – III	1	5	--	100	--	100
B.Des. 07-04	Project Work- I	1	5	-	100	-	100
B.Des. 07-05	Sustainable Interiors- III	2	-	-	50	-	50
B.Des. 07-06	Estimating Costing & Professional Practice – III	2	2	50	50	--	150
		2	-	50			
B.Des. 07-07	Electives & Seminars – III 1. Material expression and traditional way 2. Media appreciation 3. Movement and Isms in music's and paintings 4. Painting 5. Print and print making 6. Project scheduling 7. Sculpture, 8. Heritage conservation	2	--	--	50	--	50
	TOTAL	11	25	100	500	-	600

Seventh Semester Total periods per week – 36

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

**EQUIVALANCE WITH OLD SYLLABUS
SEM. VII**

Old Subject Code	Old Name of the Subject	New Subject Code	New Name of the Subject
	Interior Design – IV	B.Des. 07-01	Int. Design - VII
	Furniture & Sign / Signage's Design-III	B.Des. 07-02	Furniture Design-III
	Design Execution Drawing – II	B.Des. 07-03	Design Execution Drawing – III
	Project Work	B.Des. 07-04	Project Work – I
	Estimating, Costing - II	B.Des. 07-05	Estimating Costing & Professional Practice - III
	Professional Practice – II		
	Advanced Computer Graphics	B.Des. 07-06	Sustainable Interiors - III
	Electives & Seminars (1. Appreciation of literature 2. Appreciation of Indian dance, 3. Calligraphy 4. Cities matter (Urban management) 5. Color and form and meaning 6. Foreign languages 7. Interactive workshop – Music and life, Folk dance 8. Issues in building conservation 9. Looking at art 10. Sculpture 11. Media Appreciation 12. Print & Print Making 13. Project Scheduling 14. Movements & Isms in interiors	B.Des. 07-07	Electives – III (1. Appreciation of literature 2. Appreciation of Indian dance, 3. Calligraphy 4. Cities matter (Urban management) 5. Color and form and meaning 6. Foreign languages 7. Interactive workshop – Music and life, Folk dance 8. Issues in building conservation 9. Looking at art 10. Sculpture 11. Media Appreciation 12. Print & Print Making 13. Project Scheduling 14. Movements & Isms in interiors

B.DES. 07 - 01
SUBJECT : INTERIOR DESIGN – VII
SYLLABUS FOR SEVENTH SEM. – B.DES. DEGREE COURSE

Lectures – 16	Paper - -	Internal - 100
Studio - 144	Duration - -	External - -
Total - 160		Theory - -
		Total - 100

This continues to be the main subject in the curriculum. Interior design problems of highly complex nature are to be tackled by the students. It aims at allowing the student to develop his designing skills by actually getting involved with progressively difficult design problems. After completing 12 weeks practical training under professional designer students are expected to apply their knowledge while designing in a form like computer graphics, working details, practical knowledge regarding execution of the project.

One design portfolio is to be submitted with of computerized presentation by the students in this year.

Contents:

1. Design of large scale and specialized multi- functional interior species like

Institutional problems related health, education, corporate Offices, shopping and entertainment malls, Town squares ,Airports ,Bus stops, Railway stations, Boats, Ports etc.

Assessment:

One Design problem of commercial interior of minimum 1000 sq mt

B.DES. 07 - 02
SUBJECT : FURNITURE DESIGN – VII
SYLLABUS FOR SEVENTH SEM. – B.DES. DEGREE COURSE

Lectures –	Paper - -	Internal - 50
Studio - 64	Duration - -	External - -
Total – 64		Theory - -
		Total - 50

Contents:

1. Modular in furniture design for offices spaces, education institute, health

Facilities, and street elements, etc.

2. Understanding of modular approach, viability and validity of each component in furniture element. By using materials like wood, glass, metals, F.R.P., leather, etc.

3. Design of internal and external signage's required to express interior design

Schemes.

B.DES. 07 - 03
SUBJECT : DESIGN EXECUTION DRAWING - III
SYLLABUS FOR SEVENTH SEM. – B.DES. DEGREE COURSE

Lectures - 16	Paper - -	Internal – 100
Studio – 80	Duration - -	External - -
Total - 96		Theory - -
		Total - 100

This subject provides the technical base for the execution of the designer's ideas. He has to learn to make technical drawings explaining to the workmen how execute the design in actual.

Contents:

Working drawing and details of one interior design projects in the semester preferably the student's own designs done in the third year. should be completed by the students and presented as portfolios;.

One Measure drawing of existing commercial interior design project

Assessment:

- Continuous assessment and marking system should be followed
- Internal and External exams will be based on above understanding of topics
- Study should be made with any furniture item with respect to function, structure and visual expression

B.DES. 07 - 04
SUBJECT : PROJECT WORK - I
SYLLABUS FOR SEVENTH SEM. – B.DES. DEGREE COURSE

Lectures - 16	Paper - -	Internal – 100
Studio – 80	Duration - -	External - -
Total - 96		Theory - -
		Total - 100

Independent project is supposed to be prepared by the student with help of

Knowledge acquired within a three years of college and 12 weeks of a practical training under professional interior designer. Students are expected to enter in highly competitive professional world after completing this project work so he expected to put all his efforts with skills regarding design, working details, technology, materials, and computers.

Contents:

1. Design of large scale and specialized multi- functional interior species like Residential & commercial, urban spaces which are covered in all three years. Submission of the project should include the constraints of real client his programmed base on functional and aesthetic requirements, socio-cultural and economic framework focus upon. The synchronized design solution is achieved by case studies, analysis of data conceptualization of ideologies and explorations in design the practically of the project is attained by studying available materials, their fabrication system, surface finishes, methods and process involved in execution along with budget and time factor.

Assessment:

Synopsis Submission data collection through various sources minimum two case studies & finalization of site.

B.DES. 07 - 05
SUBJECT : SUSTANABLE INTERIORS - III
SYLLABUS FOR SEVENTH SEM. – B.DES. DEGREE COURSE

Lectures - 32	Paper - -	Internal – 50
Studio – 80	Duration - -	External - -
Total - 96		Theory - -
		Total - 50

The student shall work on 5 & 6 semester design project & implement sustainability through design ideas & material use. The student may make certain changes in the original design keeping the original theme intact .

Contains

- 1) Study of sustainable materials as per their design requirements & data collection .
- 2) Design changes as per sustainability of material study.
- 3) Students have to make complete presentation of their design problem with regard's to sustainability & LEED certificate.

Assessment:

Actual implementation in design problem of 6th semester . This subject provides the actual implementation of sustainable design ideas. He has to make Drawings explaining sustainability & sustainable material in design they have designed in the last two semester. Students can make changes as per material and design requirements .

SUBJECT : ESTMATING COSTING & PROFESSIONAL PRACTICE - III
SYLLABUS FOR SEVENTH SEM. – B.DES. DEGREE COURSE

Lectures - 64	Paper - -100	Internal – 50
Studio – 32	Duration - -4 Hrs	External - -
Total - 96		Theory - 100
		Total - 150

Note: Their will combine paper of Estimating Costing and professional practice III of duration 4 hrs and 100 marks.

Contents: -

- **Professional Practice:-**

Introduction to professionalism, design practice, working of design organization. Types of Tender documents for large interior projects i.e. Percentage- Rate tender, item-rate or tender, lump-sum tender, Contract documents etc.

1. Contractors billing for large Interior Design projects.

- a) Measurement book record.
- b) Site Instruction book.
- c) Extra items than tender book.
- d) Running bills and final bill of contract.
- e) Certificate of payment to contractor.

- **Estimating & Costing:-**

1. Preparation of estimate for large interior design spaces.

2. Volumetric estimate of residential buildings for Interior and furniture design. Studio- Preparation of tender document for large Interior Design Project and presentation of it.

3. Specifications:-

- Definition
- Objectives, Importance
- Use of Specifications

4. Type of Specification

5. Design of Specification

6. Legal aspect of Specification

SUBJECT : ELECTIVES & SEMINARES - III
SYLLABUS FOR SEVENTH SEM. – B.DES. DEGREE COURSE

Lectures - 32	Paper - -	Internal – 50
Studio –	Duration - -	External - -
Total - 32		Theory -
		Total - 50

General elective seminars are exposure and value addition courses which are selected out of wider choices of subjects and offered in combination uniquely designed each year based on the topical value, resources, and personals availabilities. Electives are offered in major areas of other related creative fields like.. Material expression and traditional way, Media appreciation, Movement and Isms in music's and paintings, Painting, Print and print making, Project scheduling, Sculpture, Heritage conservation etc...

Contents: -

The major areas are (1) Humanities (2) History (3) Art (4) Craft (5) Management.

Assessment:

Choose any one subject for elective under above topics collect data and submission of data collection.

GENERAL GUIDELINES OF QUESTION PAPERS

**Bachelor of Design – Semester – VII
Sub- Estimation Costing and Professional Practice - III**

Total Marks: - 100

Duration: - 4 hrs

Instructions:-

- 1. All the questions are compulsory.**
 - 2. Figures given to the right indicate marks of the questions.**
 - 3. Draw neat sketches wherever necessary.**
 - 4. Use of calculator is permissible**
 - 5. Assume suitable data wherever necessary.**
-

Q. 1	Explain. (Any two)	10	
	A)		
	B)		
	C)		
Q. 2	Explain the following. (Any one)	15	
	A)		
	B)		
Q. 3	Write in brief answers of the following. (Any two)	15	
	A)		
	B)		
	C)		
Q. 4	Short notes. (Any two)	15	
	A)		
	B)		
	C)		
Q. 5	Explain the following. (Any one)		
	A)	10	B)
Q. 6	Short notes. (Any two)	15	A)
	B)		
	C)		
Q. 7	Workout the quantities required for the items of the sketch given. Prepare measurement and abstract	20	

STRUCTURE OF EIGHTH SEM. B. DES. (INTERIOR DESIGN)

Subject Code	Subject	Teaching Scheme		Examination Scheme			
		Lectures	Studios	Paper	Sessional Work (Int.)	Oral (Ext)	Total
B.Des. 08-01	Int. Design – VIII	1	9	150	100	100	350
B.Des. 08-02	Furniture Design-IV	-	4	--	50	-	50
B.Des. 08-03	Design Execution Drawing – IV	1	5	--	100	100	200
B.Des. 08-04	Project Work- II	1	5	-	100	100	200
B.Des. 08-05	Sustainable Interiors- IV	2	-	-	50	-	50
B.Des. 08-06	Estimating Costing & Professional Practice – IV	2	2	50	50	-	150
		2	-	50			
B.Des. 08-07	Practical Training & Report	90 Days (Min)	-	-	-	100	100
B.Des. 08-08	Electives & Seminars – IV 1. Material expression and traditional way 2. Media appreciation 3. Movement and Isms in music's and paintings 4. Painting 5. Print and print making 6. Project scheduling 7. Sculpture, 8. Heritage conservation	2	--	--	50	50	100
	TOTAL	11	25	250	500	450	1200

Eighth Semester Total periods per week – 36

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

EQUIVALANCE WITH OLD SYLLABUS

SEM. VIII

Old Subject Code	Old Name of the Subject	New Subject Code	New Name of the Subject
	Interior Design – IV	B.Des. 08-01	Int. Design – VIII
	Furniture & Sign / Signage's Design-III	B.Des. 08-02	Furniture Design-IV
	Design Execution Drawing – II	B.Des. 08-03	Design Execution Drawing – IV
	Project Work	B.Des. 08-04	Project Work- II
	Estimating, Costing - II	B.Des. 08-05	Estimating Costing & Professional Practice – IV
	Professional Practice – II		
	Advanced Computer Graphics	B.Des. 08-06	Sustainable Interiors- IV
		B.Des. 08-07	Practical Training & Report
	Electives & Seminars (1. Appreciation of literature 2. Appreciation of Indian dance, 3. Calligraphy 4. Cities matter (Urban management) 5. Color and form and meaning 6. Foreign languages 7. Interactive workshop – Music and life, Folk dance 8. Issues in building conservation 9. Looking at art 10. Sculpture 11. Media Appreciation 12. Print & Print Making 13. Project Scheduling 14. Movements & Isms in interiors	B.Des. 08-08	Electives & Seminars – IV 1. Material expression and traditional way 2. Media appreciation 3. Movement and Isms in music's and paintings 4. Painting 5. Print and print making 6. Project scheduling 7. Sculpture, 8. Heritage conservation

Students appeared in Old Syllabus will be given only 2(Two) attempts.

B.DES. 08 - 01
SUBJECT : INTERIOR DESIGN – VIII
 SYLLABUS FOR EIGHTH SEM. – B.DES. DEGREE COURSE

Lectures – 16	Paper - - 150	Internal - 100
Studio - 144	Duration - - 12 Hrs	External - 100
Total - 160		Theory - 150
		Total - 350

This continues to be the main subject in the curriculum. Interior design problems of highly complex nature are to be tackled by the students. It aims at allowing the student to develop his designing skills by actually getting involved with progressively difficult design problems. After completing 12 weeks practical training under professional designer students are expected to apply their knowledge while designing in a form like computer graphics, working details, practical knowledge regarding execution of the project.

One design portfolio is to be submitted with of computerized presentation by the students in this year.

Contents:

1. Design of large scale and specialized multi- functional interior species like

Institutional problems related health, education, corporate Offices, shopping and entertainment malls, Town squares ,Airports ,Bus stops, Railway stations, Boats, Ports etc.

Assessment:

One Design problem of commercial interior of minimum 1000 sq mt

External examiner should assess both the assignments of 7th & 8th Semester

B.DES. 08 - 02
SUBJECT: FURNITURE DESIGN – IV
 SYLLABUS FOR EIGHTH SEM. – B.DES. DEGREE COURSE

Lectures –	Paper - -	Internal - 50
Studio - 64	Duration - -	External - -
Total – 64		Theory - -
		Total - 50

Contents:

1. Modular in furniture design for offices spaces, education institute, health

Facilities, and street elements, etc.

2. Understanding of modular approach, viability and validity of each component in furniture element. By using materials like wood, glass, metals, F.R.P., leather, etc.

3. Design of internal and external signage's required to express interior design

Schemes.

B.DES. 08 - 03
SUBJECT : DESIGN EXECUTION DRAWING – IV
 SYLLABUS FOR EIGHTH SEM. – B.DES. DEGREE COURSE

Lectures - 16	Paper - -	Internal – 100
Studio – 80	Duration - -	External - 100
Total - 96		Theory - -
		Total - 200

This subject provides the technical base for the execution of the designer's ideas. He has to learn to make technical drawings explaining to the workmen how execute the design in actual.

Contents:

Working drawing and details of one interior design projects in the semester preferably the student's own designs done in the third year. should be completed by the students and presented as portfolios;.

Assessment:

- Continuous assessment and marking system should be followed
- Internal and External exams will be based on above understanding of topics
- Study should be made with any furniture item with respect to function, structure and visual expression
- Portfolio should be done by computerized Drafting.

B.DES. 08 - 04
SUBJECT: PROJECT WORK - II
 SYLLABUS FOR EIGHTH SEM. – B.DES. DEGREE COURSE

Lectures - 16	Paper - -	Internal – 100
Studio – 80	Duration - -	External - 100
Total - 96		Theory - -
		Total - 200

Independent project is supposed to be prepared by the student with help of knowledge acquired within a three years of college and 12 weeks of a practical training under professional interior designer. Students are expected to enter in highly competitive professional world after completing this project work so he expected to put all his efforts with skills regarding design, working details, technology, materials, and computers.

Contents:

1. Design of large scale and specialized multi- functional interior species like Residential & commercial, urban spaces which are covered in all three years. Submission of the project should include the constraints of real client his programmed base on functional and aesthetic requirements, socio-cultural and economic framework focus upon. The synchronized design solution is achieved by case studies, analysis of data conceptualization of ideologies and explorations in design the practically of the project is attained by studying available materials, their fabrication system, surface finishes, methods and process involved in execution along with budget and time factor.

Assessment:

Preparation of actual Design & Drawing Presentation & book bound submission.

B.DES. 08 - 05
SUBJECT: SUSTANABLE INTERIORS - III
 SYLLABUS FOR EIGHTH SEM. – B.DES. DEGREE COURSE

Lectures - 32	Paper - -	Internal – 50
Studio – -	Duration - -	External - -
Total - 32		Theory - -
		Total - 50

The student shall work on 5th & 6th semester design project & implement sustainability through design ideas & material use. The student may make certain changes in the original design keeping the original theme intact.

Contains

- 4) Study of sustainable materials as per their design requirements & data collection
- 5) Design changes as per sustainability of material study.
- 6) Students have to make complete presentation of their design problem with regard's to sustainability & LEED certificate.

Assessment:

Actual implementation in design problem of 6th semester. This subject provides the actual implementation of sustainable design ideas. He has to make Drawings explaining sustainability & sustainable material in design they have designed in the Last two semester. Students can make changes as per material and design requirements.

External jury of design subject should assess this subject's assignment.

B.DES. 08 - 06
**SUBJECT : ESTMATING COSTING & PROFESSIONAL
 PRACTICE - IV**
 SYLLABUS FOR EIGHTH SEM. – B.DES. DEGREE COURSE

Lectures - 64	Paper - -100	Internal – 50
Studio – 32	Duration - -4 Hrs	External - -
Total - 96		Theory - 100
		Total - 150

Note: Their will combine paper of Estimating Costing and professional practice IV of duration 4 hrs and 100 marks.

Contents: - Professional Practice:-

1. Issues of professional practice courses such as:
 - a) Professional behavior
 - b) Professional Ethics and Code of Conduct
 - c) Different styles of Interior Design practice
 - d) Types of fees and process of fees.

Contents: Estimating Costing:-

1. Preparation of estimate for large interior design spaces.
2. Volumetric estimate of commercial buildings for Interior and furniture design. Studio-Preparation of tender document for large Interior Design Project and presentation of it.
3. Principals of Specifications writing
4. Classification of Specifications
5. Specifications writing
6. Source of information for Specifications
7. Points for Framing of Specifications

B.DES. 08 - 07

SUBJECT : PRACTICAL TRAINING & REPORT
SYLLABUS FOR EIGHTH SEM. – B.DES. DEGREE COURSE

Lectures – 90 Days (Min)	Paper - -	Internal – -
Studio –	Duration - -	External - 100
Total – 90 Days (Min)		Theory -
		Total - 100

Contents: -

The purpose of this study is to expose the students to practical field of the design & execution, to learn practical application of knowledge acquired to platform understand that he has prepared only a good base & that education is a continuing learning process through out the carrier on which is about to embark.

The student is required to gain practical experience after passing 2nd year & before appearing 8th semester theory exam students should complete his practical training appear for oral in 8th semester. he should complete min 90 days full time (Min 30days continues) or 180 days part time (Min 40days continues) practical training with registered architect (C.O.A.& I.I.A.) or interior designer registered (IIID) who is practicing with 5 years.

He should try to get his training in any of the places mentioned in the order of preference.

1. Office of an architect
2. Office of an Interior Designer
3. Office of the builder
4. Furniture Showroom / Manufacturer

He should get appointment letter where he proposes to work & get it approved by the head of the department

The purpose of the training is to learn –

- Day to day working of an office
- Professional Practice
- Correspondence
- Presentation Techniques
- Working Drawings & Details drawings
- Preparing estimates, checking of bill of quantities.
- Site execution.

The student should attend the office regularly & works full time or part time & should follow the discipline & duty hours of the organization. He is also expected to keep his eyes open & observe general working of the office as a whole.

During this period the student will maintain a log book as prescribed & it shall be countersigned by the principal of that office along with the professor – in – Charge. The candidate is expected work in an office and site during this period.

The employer is not bound to pay any remuneration & bear any other expenses of the students but is requested to pay him such minimum remuneration so that the student is able to maintain himself.

On successful completion of the practical training, viva –voce which will be conducted jointly by one internal & one external examiner on the training he has under gone & the report submitted by the employer & the student.

Performa of Report

- Name of the student :
- Academic Year :
- Name of Office / Organization
- Date of Joining :
- Date of Leaving :
- Employers Reports:
- Employers opinion about students training :
- Any suggestions by the employer:

Signature of the Employer

signature of the Student

One copy of syllabus for this subject should be made available to the employer.

B.DES. 08 - 08

SUBJECT : ELECTIVES & SEMINARES - III
SYLLABUS FOR EIGHTH SEM. – B.DES. DEGREE COURSE

Lectures - 32	Paper - -	Internal – 50
Studio –	Duration - -	External - 50
Total - 32		Theory -
		Total - 100

General elective seminars are exposure and value addition courses which are selected out of wider choices of subjects and offered in combination uniquely designed each year based on the topical value, resources, and personals availabilities. Electives are offered in major areas of other related creative fields- like.. Material expression and traditional way, Media appreciation, Movement and Isms in music's and paintings, Painting, Print and print making, Project scheduling, Sculpture, Heritage conservation

Contents: -

The major areas are (1) Humanities (2) History (3) Art (4) Craft (5) Management.

Assessment:

Final PPT presentation.

GENERAL GUIDELINES OF QUESTION PAPERS

**Bachelor of Design – Semester – VIII
Sub- Estimation Costing and Professional Practice - IV**

Total Marks: - 100

Duration: - 4 hrs

Instructions:-

- 1. All the questions are compulsory.**
 - 2. Figures given to the right indicate marks of the questions.**
 - 3. Draw neat sketches wherever necessary.**
 - 4. Use of calculator is permissible**
 - 5. Assume suitable data wherever necessary.**
-

- | | | |
|------|--|----|
| Q. 1 | Explain. (Any two) | 10 |
| | A) | |
| | B) | |
| | C) | |
| Q. 2 | Explain the following. (Any one) | 15 |
| | A) | |
| | B) | |
| Q. 3 | Write in brief answers of the following. (Any two) | 15 |
| | A) | |
| | B) | |
| | C) | |
| Q. 4 | Short notes. (Any two) | 15 |
| | A) | |
| | B) | |
| | C) | |
| Q. 5 | Explain the following. (Any one) | 10 |
| | A) | |
| | B) | |
| Q. 6 | Short notes. (Any two) | 15 |
| | A) | |
| | B) | |
| | C) | |
| Q. 7 | Workout the quantities required for the items of the sketch given.
Prepare measurement and abstract | 20 |

GENERAL GUIDELINES OF QUESTION PAPERS

**Bachelor of Design – Fourth Year (B.Des)
Semester – VIII
Sub- Design - VIII**

**Total Marks: - 150
Duration: - 12 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:- (Addition & Alteration May be made as per design problem)
 - 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 design problem)