



Estd. 1962
NAAC 'A' Grade
MHRD NIRF-28th Rank

SHIVAJI UNIVERSITY, KOLHAPUR-416 004. MAHARASHTRA

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शिवाजी विद्यापीठ, कोल्हापूर – 416004.

दुरध्वनी (ईपीएबीएक्स) २६०९०००० (अभ्यास मंडळे विभाग— २६०९०९४)

फॅक्स : ००९१-०२३१-२६९१५३३ व २६९२३३३. e-mail: bos@unishivaji.ac.in

SU/BOS/IDS /2960

Date : 12/07/2017

The Principal,
All Affiliated Concerned (B Des) Colleges/Institutions
Shivaji University, Kolhapur.

Subject: Regarding the revised structure, syllabi, nature of question paper as per Semester System of Bachelor of Design (B Des) Part-III (Semester V & VI) under the Faculty of Inter-Disciplinary Studies (IDS).

Sir/Madam,

With reference to the subject mentioned above, I am directed to inform you that the university authorities have accepted and granted approval to the revised structure, syllabi, nature of question paper & equivalence as per semester system of B Des Part-III (Semester V & VI) under the Faculty of Inter-Disciplinary Studies (IDS).

- 1) The revised syllabi will be implemented from the academic year 2017-2018 i.e. from June 2017 onwards. All these syllabi are also made available on university website www.unishivaji.ac.in. (**On line Syllabus**)
- 2) Further, it is hereby informed that the question papers on the pre-revised syllabi of above mentioned subjects will be set for the examinations to be held in October 2017, April 2018. These chances are for repeater students, if any.

You are therefore, requested to bring this to the notice of all students and teachers concerned.

Thanking you,

Yours faithfully,

Dy. Registrar

Copy to :-

1	The Dean, Faculty of Inter-Disciplinary Studies (IDS).	7	Centre for Distance Education
2	The Chairman, Respective under the Faculty of Inter-Disciplinary Studies (IDS).	8	Computer Centre
3	B.A. Exam	9	Affiliation Section (U.G.)
4	Eligibility Section	10	Affiliation Section (P.G.)
5	O.E. I Section	11	P.G. Admission Section
6	Appointment Section	12	P.G. Seminar Section

Date: - 14.06.2017

**To,
The Deputy Registrar,
Board of Studies,
Shivaji University,
Kolhapur**

Sub- Regarding revised syllabus of B.Des – Semester 5th & 6th from the academic
Year – 2017-2018

Respected Sir,

Here with I am submitting the revised syllabus of Bachelor of Design (B.Des) Interior of
Semester 5th & 6th from the academic year 2017-2018.

Please accepts the same and acknowledge us with receipt of the same.

Regards,

Yours Faithfully,

Ar. Girija G. Kulkarni
Chairman – Co ordinate
committee,
Bachelor of Design (B.Des)
Shivaji University,
Kolhapur

Attached - As above

**REVISED SYLABUS FOR
DEGREE COURSE IN
BACHALOR OF DESIGN (B.DES) INTERIOR
B.DES – PART – III
(SEMESTER 5TH & 6TH SEMESTER)
JUNE 2017 ONWARDS**

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

Subject Code	Subject	Teaching Scheme		Examination Scheme			
		Lectures	Studios	Paper	Internal Oral	External Oral	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 & Professional Practice - I	1	1	100	50	--	150*
		2	--				
B.Des. 05-08	Sustainable Interiors - I	1	1	--	50	--	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)

* Means Combine passing for Semester V Theory paper & internal oral

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 & Professional Practice - I	B.Des. 05-07	Estimating, Costing & 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.

SUBJECT: INTERIOR DESIGN – V**SYLLABUS FOR FIFTH SEM. – B.DES. DEGREE COURSE**

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

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. 05 - 02**SUBJECT : FURNITURE DESIGN -III****SYLLABUS FOR FIFTH SEM. – B.DES. DEGREE COURSE**

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

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

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

2. Developing of datelines of furniture

- 1) Structural aspect
- 2) Joinery / Connections
- 3) Finishing & Materials
- 4) 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.

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

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

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

SUBJECT: LANDSCAPE DESIGN & ENVIRONMENTAL SCIENCE -I**SYLLABUS FOR FIFTH SEM. – B.DES. DEGREE COURSE**

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

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.

1. Study of various landscape elements
2. 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.
3. Study of landscapes, their use in landscape.
4. 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	Internal Marks	50
Studio - 80	External Marks	-
Total - 96	Theory Paper Marks	100
	Total Marks	150*
	Paper Duration	4 Hrs

This subject will provide an advanced understanding of the art and technique of Construction. This course introduces students to the art and science of building. Emphasis will be placed on 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 explored, 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:

1. 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. Acoustical 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	Internal Marks	50
Studio - 16	External Marks	-
Total -32	Theory Paper Marks	50
	Total Marks	100*
	Paper Duration	2 Hrs

Contents:

1. Advance building services like.

1) H. V. A. C. Detail –

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

2) Artificial lighting and different types of wiring:-

Planning for lighting: - Position of lighting points – strength 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. Earthling, general electric 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 material 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: ESTIMATING COSTING
SYLLABUS FOR FIFTH SEM. – B.DES. DEGREE COURSE

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

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.

1. Introduction
2. What is a Estimation
3. Methods of Estimation
4. Data required for Estimate
5. Types of Estimations
6. Mode of measurement
7. 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 - 16	Internal Marks	-
Studio - 16	External Marks	-
Total -32	Theory Paper Marks	-
	Total Marks	-
	Paper Duration	-

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

Introduction to professionalism, design practice, working of design organization

Contents: -

1. The profession of interior design.
2. Professional preparation- Education preparation ,professional association
3. Characteristics of interior designer.
4. 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 - 02	Internal Marks	50
Studio -	External Marks	-
Total -32	Theory Paper Marks	-
	Total Marks	50
	Paper Duration	-

• **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 - 02	Internal Marks	50
Studio -	External Marks	-
Total -32	Theory Paper Marks	-
	Total Marks	50
	Paper Duration	-

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.
 - Final PPT presentation & printed reports.

GENERAL GUIDELINES OF QUESTION PAPERS

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

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

1. **Q. No.1 is compulsory and solve any three from remaining.**
2. **Figures given to the right indicate marks of the questions.**
3. **Use of calculator is permissible.**
4. **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:-**

- 1. All the questions are compulsory.**
 - 2. Figures given to the right indicate marks of the questions.**
 - 3. 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- Estimating Costing and Professional Practice - I

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) 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	Internal Oral	External Oral	Total
B.Des. 06-01	Design - VI	1	9	150	100	100	350**
B.Des. 06-02	Furniture Design-IV	1	1	--	50	50	100
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	100	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	12	24	400	550	300	1250

Sixth Semester Total periods per week – 36

Note :- 1. (*) Means combine passing for internal oral & Theory paper.

2. (**) Means Combine passing for External Oral & Theory Paper

3. A Candidate should obtained Min 35% Marks in theory Exam

4. Furniture Design External Oral will be Assessed along with the External Oral of Interior Design – VI

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

Lectures - 16	Internal Marks	100
Studio - 144	External Marks	100
Total - 160	Theory Paper Marks	150
	Total Marks	350**
	Paper Duration	09 Hrs

Note :- 1. (**) Means Combine passing for External Oral & Theory Paper

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	Internal Marks	50
Studio - 16	External Marks	50
Total - 32	Theory Paper Marks	-
	Total Marks	100
	Paper Duration	-

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

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

2. Developing of datelines of furniture

- 5) Structural aspect
- 6) Joinery / Connections
- 7) Finishing & Materials
- 8) 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	Internal Marks	100
Studio – 80	External Marks	100
Total - 96	Theory Paper Marks	-
	Total Marks	200
	Paper Duration	-

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

SUBJECT : LANDSCAPE & ENVIRONMENTAL SCIENCE-II
SYLLABUS FOR SIXTH SEM. – B.DES. - DEGREE COURSE

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

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

5. Study of various landscape elements
6. 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.
7. Study of landscapes, their use in landscape.
8. Introductions to design principals & methodology of landscape design
9. 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	Internal Marks	50
Studio – 64	External Marks	-
Total -80	Theory Paper Marks	100
	Total Marks	150*
	Paper Duration	4 Hrs

Note :- 1. (*) Means combine passing for internal oral & Theory paper.

This subject will provide an advanced understanding of the art and technique of Construction. This course introduces students to the art and science of building. Emphasis will be placed on 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:

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	Internal Marks	50
Studio – 16	External Marks	-
Total -32	Theory Paper Marks	50
	Total Marks	100*
	Paper Duration	2 Hrs

Note :- 1. (*) Means combine passing for internal oral & Theory paper.

Contents:

1. Advance building services like.

- 1) Vertical transportation, etc.
- 2) 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.
- 3) 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 : ESTIMATING COSTING – II
SYLLABUS FOR SIXTH SEM. – B.DES. - DEGREE COURSE

Lectures - 1	Internal Marks	100
Studio – 1	External Marks	-
Total -32	Theory Paper Marks	100
	Total Marks	200*
	Paper Duration	4 Hrs

Note :- 1. (*) Means combine passing for internal oral & Theory paper.

Note: Their 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.

1. Report
2. complete set of Estimate
3. Bill of Quantities
4. Schedule of Rates
5. Administrative approval
6. Prime cost & Provisional sum
7. 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 - 1	Internal Marks	-
Studio – 1	External Marks	-
Total -32	Theory Paper Marks	-
	Total Marks	-
	Paper Duration	-

Introduction to professionalism, design practice, working of design organization

Contents: -

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

Note: Their 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	Internal Marks	50
Studio –	External Marks	-
Total -32	Theory Paper Marks	-
	Total Marks	50
	Paper Duration	-

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

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 weight age of the questions)

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

5. **Q. No.1 is compulsory and solve any three from remaining.**
 6. **Figures given to the right indicate marks of the questions.**
 7. **Use of calculator is permissible.**
 8. **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:-

- 4. All the questions are compulsory.**
 - 5. Figures given to the right indicate marks of the questions.**
 - 6. 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:-

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) | 10 |
| | A) | |
| | B) | |
| Q. 3 | Write in brief answers of the following. (Any two) | 10 |
| | A) | |
| | B) | |
| | C) | |
| Q. 4 | Short notes. (Any four) | 20 |
| | A) | |
| | B) | |
| | C) | |
| | D) | |
| | E) | |
| Q. 5 | Write mode of measurement and prevailing market rates of the following items. | 10 |
| Q. 6 | Short notes. (Any Three) | 12 |
| | A) | |
| | B) | |
| | C) | |
| | D) | |
| Q. 7 | Explain. (Any one) | 08 |
| | A) | |
| | B) | |
| 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: - 150

Duration: - 9 hrs

Instructions:-

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

- Design problem -Title

- Design problem – Brief

- Requirements of the design problem given:

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

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