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दुरध्वी: (ईपीएबीएक्स) २६०९००० (अभ्यास मंडळे विभाग- २६०९०९४) तार : युनिशिवाजी

शिवाजी वि./अ.मं/कला/4148

दि. 07/09/2011

प्रति,

1 प्राचार्या,
कला प्रबोधिनीज् इन्स्टिट्यूट
ऑफ डिझाईन,
भालजी पेंढारकर कला
दालनाजवळ,
कोल्हापूर.

2 प्र. प्राचार्या,
डेक्कन इन्स्टिट्यूट ऑफ
टेक्नॉलॉजी
कॉसमॉस कॉम्प्लेक्स, न्यू. शाहुपुरी
कोल्हापूर

विषय :- शैक्षणिक वर्ष सन 2011-12 (जून 2011 पासून) लागू झालेल्या बी.डेस. (बॅचलर ऑफ डिझाईन) भाग-2 या सुधारीत अभ्यासक्रमांतील किरकोळ दुरुस्तीबाबत

संदर्भ :- या कार्यालयाचे पत्र क्र. शिवाजी वि./ अ.मं/349/दि. 22-7-2011

महोदय,

उपरोक्त विषयसंदर्भात आपणांस आदेशान्वये कळविण्यात येते की, कला व ललितकला विद्याशाखेअंतर्गत बी.डेस. (बॅचलर ऑफ डिझाईन) भाग-2 या सुधारीत अभ्यासक्रमाची सी.डी. यापूर्वी उपरोक्त संदर्भिय पत्रानुसार पाठविण्यात आली आहे. तथापि विद्यापीठ अधिकार मंडळाच्या शिफारशीनुसार सदरच्या अभ्यासक्रमामध्ये दुरुस्ती करण्यात आलेली आहे. (सोबत दुरुस्तीसह सी.डी. जोडली आहे.)

सदरच्या अभ्यासक्रमातील दुरुस्ती शैक्षणिक वर्ष 2011-12 (जून 2011 पासून) लागू करण्यात आली असून दुरुस्तीसह अभ्यासक्रम विद्यापीठाच्या www.unishivaji.ac.in या संकेतस्थळावर उपलब्ध करण्यात आलेला आहे.

सदरची बाब सर्व संबंधित शिक्षक व विद्यार्थी यांच्या तात्काळ निदर्शनास आणावी.

कळावे,

आपला विश्वासू,

सही /-
उपकुलसचिव
अभ्यास मंडळे विभाग

प्रत :-

1.	अधिष्ठाता, कला व ललितकला विद्याशाखा
2.	अध्यक्ष, बी.डेस. अस्थायी मंडळ
3.	परीक्षक नियुक्ती विभाग
4.	इतर परीक्षा विभाग - 1
5.	संगणक केंद्र

यांना पुढील आवश्यक त्या कार्यवाहीसाठी

CHAPTER VII :- Standard Format For Syllabus Framework

**SHIVAJI UNIVERSITY,
KOLHAPUR.**



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New/Revised Syllabus For
Bachelor of Design - Part - II
(Semester III & IV)

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

Syllabus to be implemented from June 2011 onwards.

SHIVAJI UNIVERSITY, KOLHAPUR

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

Subject Code	Subject	Teaching Scheme		Examination Scheme			
		Lectures	Studios	Sem. I Paper	Sessional Work (Int.)	Oral (Ext.)	Total
B.DES. 03-01	Int. Design - III	1	7	-	100	-	100
B.DES. 03-02	Furniture Design-I	1	1	-	50	-	50
B.DES. 03-03	Theory of design& Visual Arts-III	1	3	-	50	-	50
B.DES. 03-04	Work shop – III	-	4	-	50	-	50
B.DES. 03-05	Interior Technology & Material - I	2	3	100	50	-	150
B.DES. 03-06	Interior Services - I	2	-	50	50	-	100
B.DES. 03-07	Graphics - III	1	5	-	50	-	50
B.DES. 03-08	History- II	2	-	50	50	-	100
B.DES. 03-09	Presentation Techniques - I	1	2	-	-	-	-
	Total	11	25	200	450	-	650

Third Semester Total periods per week – 36

**EQUIVALANCE WITH OLD SYLLABUS
SEM. III & IV**

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

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

B.DES. 03 - 01
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, introduction to soft commercial areas having up to 300 sq. mtrs.
- 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
- Mock up 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. 03 - 02
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.

B.DES. 03 - 03

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.

B.DES. 03 - 04
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

- Wood.
- Glass.
- Metal.
- Clay, Plaster of Paris etc.
- Interior lay out on various planes (demarcation of furniture).
- Site training and hands on experience.
- Preparation of Mock up 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.

B.DES. 03 - 05

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 - -
		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.

B.DES. 03 - 06

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 - -
		Total - 100

- **PLUMBING, SANITATION & DRAINAGE**
principles of sanitation-cold , hot & mixing water supply system, types of traps, septic tank, geysers, pressure pumps, boilers, disposal system using siphoning, ant siphoning & venting principles- showers, tubs, urinals, w.c , study of kitchen and toilet areas, fittings and fixtures, quality and protection.
- **Water supply:** Different materials and fittings, Hot and cold water supply and its techniques under ground and overhead tanks, water supply layouts of different interior schemes.

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 - 50

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.

Part – II

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.

B.DES. 03 - 08
SUBJECT : HISTORY - II
SYLLABUS FOR THIRD SEM. – B.DES. DEGREE COURSE

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

- Indus valley civilization and introduction to the Vedic architecture.
- Buddhist Architecture with examples of spata, chatty, vihar (rock Cut Architecture)
- Temple Architecture, South and North India.
- Introduction of Egyptian, Greek, and Roman Architecture

Study of art forms, interiors, furniture from the above period. 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 and furniture design. How social, political, artistic, economic, technological, religious, and cultural forces impact the evolution of interior and furniture 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.

B.DES. 03 - 09
SUBJECT : PRESENTATION TECHNIQUES - I
SYLLABUS FOR THIRD SEM. – B.DES. DEGREE COURSE

Lectures - 16	Paper - -	Internal - -
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.

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

SHIVAJI UNIVERSITY, KOLHAPUR
STRUCTURE OF FORTH SEM. B. DES. (INTERIOR DESIGN)

Subject Code	Subject	Teaching Scheme		Examination Scheme			
		Lectures	Studios	Sem. I Paper	Sessional Work (Int.)	Oral (Ext.)	Total
B.DES. 04-01	Int. Design - IV	1	7	100	50	100	250
B.DES. 04-02	Furniture Design-II	1	1	-	50	-	50
B.DES. 04-03	Theory of design& Visual Arts-IV	1	3	-	50	100	150
B.DES. 04-04	Work shop – IV	-	4	-	50	-	50
B.DES. 04-05	Interior Technology & Material - II	2	3	100	50	100	250
B.DES. 04-06	Interior Services - II	2	-	50	50	-	100
B.DES. 04-07	Graphics - IV	1	5	100	50	-	150
B.DES. 04-08	History- II	2	-	50	50	-	100
B.DES. 04-09	Presentation Techniques - I	1	2	-	50	-	50
	Total	11	25	400	450	-	850

First Semester Total periods per week – 36

B.DES. 04 - 01
SUBJECT : INTERIOR DESIGN – IV
SYLLABUS FOR THIRD SEM. – B.DES. DEGREE COURSE

Lectures - 16	Paper - 100	Internal - 50
Studio - 112	Duration - 6 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) like Bungalow, Studio apartments, Duplex flats, introduction to soft commercial areas having up to 300 sq. mtrs.
- 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
- Mock up 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. 04 - 02
SUBJECT : FURNITURE DESIGN -II
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

- 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.

B.DES. 04 - 03

**SUBJECT : THEORY OF DESIGN& VISUAL ARTS-IV
SYLLABUS FOR THIRD 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.

B.DES. 04 - 04
SUBJECT : WORKSHOP-IV
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-

- Wood.
- Tile
- Metal.
- Photography
- Textile and Weaving etc.
- Interior lay out on various planes (demarcation of furniture).
- Site training and hands on experience.
- Preparation of Mock up 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.

B.DES. 04 - 05

SUBJECT : INTERIOR TECHNOLOGY & MATERIAL - II
SYLLABUS FOR THIRD SEM. – B.DES. DEGREE COURSE

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

B.DES. 04 - 06
SUBJECT : INTERIOR SERVICES - II
SYLLABUS FOR THIRD SEM. – B.DES. DEGREE COURSE

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

- **LIGHTING –NATURAL & ARTIFICIAL ILLUMINATION**
Introduction to natural & artificial illumination-terminology like Lux, Lumens, Maintenance & utility factors, Glare – quality of light such as incandescent, fluorescent, vapor lamps, halides & halogens, gas filled such as neon, argon, etc-led-lasers- types of lighting , direct indirect lighting-selection of lighting systems such as up, down, side and cove lighting. Generator / battery backup system, graphical symbols of electrical layout.

- **CLIMATOLOGY & INTRODUCTION TO HVAC**
Physical human comforts – climate based [quality of air, temperature, humidity] - causes and effects of changes in temperature and humidity-principles of ventilation-natural ventilation –control of natural means’

- **FIRE PROTECTION**

Definition, structural fire precaution, rules, fire resistance, fire fighting, equipments and detection alarms, sprinklers etc. Fire resisting, retarding materials, means of escape, staircase lifts.

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. 04 - 07
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

Part - I

- Sciography of individual and different geometrical objects and of Interior/Exterior parts of buildings Study of shades and shadows.
- Application of sciography in 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.

Part – II

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.

Note:

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

B.DES. 04 - 08
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 - -
		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 furniture 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 and furniture design. How social, political, artistic, economic, technological, religious, and cultural forces impact the evolution of interior and furniture 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.

B.DES. 04 - 09

SUBJECT : PRESENTATION TECHNIQUES - II
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.

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