

APPENDIX – 4(R)
UNIVERSITY OF MADRAS
CHOICE BASED CREDIT SYSTEM

M.Sc. DEGREE COURSE IN HOMES SCIENCE -
INTERIOR DESIGN & DÉCOR

REGULATION
(w.e.f.2013-14)

1. OBJECTIVES OF THE COURSE

The objective of the course is to enable the students to understand the principles of the interior design, to operate effectively within a professional environment and interior design context; to create innovative spaces; to reflect on new issue in spatial design based on materiality, construction and general building systems; to contribute to the enhancement of the profession at large. An understanding of global, regional and local contexts in historical, economic, cultural, social and technological aspect will supplement the curriculum.

It is to educate designers to have a broad interdisciplinary view of their role and operate at various scales; enabling them to be the link that connects architects, industrial designers, landscape designers, graphic designers and project developers.

2. CONDITION FOR ADMISSION

A candidate who has passed the 1. B.Sc. Interior design & décor 2. B.Sc., Home Science and other Department UG students who have undergone Diploma course in related to Architecture, studio and Auto CAD.

3. ELIGIBILITY FOR THE AWARD OF DEGREE

A candidate shall be eligible for the degree only if she has undergone the prescribed course of study in a college affiliated to the university for a period of not less than two academic years, passed the examination of all the four semesters prescribed earning 91 credits

4. DURATION OF THE COURSE

The course for the Degree of Master of Science in Interior Design & Décor shall consist of two academic years with four semesters.

5. EXAMINATION

There shall be four examinations, first semester examination at the middle of the first academic years and the second semester examination at the end of the first academic year. Similarly the third and fourth semester examinations will be held at the middle and the end of the second academic year respectively.

6. COURSE OF STUDY AND SCHEME OF EXAMINATION

FIRST SEMESTER

S.No	Course Components	Subjects	Inst hours	Credits	Exam hrs	Max marks		Total
						CIA	Extrn	
1	Core paper – I	HISTORY OF INTERIOR DESIGN	6	4	3	25	75	100
2	Core paper – II	LIGHTING IN INTERIORS	6	4	3	25	75	100
3	Core paper – III	SPACE PLANNING IN INTERIORS (PRACTICAL)	6	4	3	40	60	100
4	*Core paper – IV	TRADITIONAL INTERIORS	4+2	4	3	25	75	100
5	* Core paper - V	ART OF COLOUR AND DESIGN IN FURNISHING	4+2	4	3	25	75	100
6	Soft Skill – I			2		60	40	100
Total			30	22				

*Integrated practical orientated subject

SECOND SEMESTER

S.No	Course components	Subjects	Inst hours	Credits	Exam hrs	Max marks		Total
						CIA	Extrn	
1	Core paper – VI	HISTORY OF ARCHITECTURE & FURNITURE DESIGN	6	4	3	25	75	100
2	Core paper – VII	FURNITURE DESIGN (PRACTICAL)	6	4	3	40	60	100
3	Core paper – VIII	DESIGN AND DÉCOR OF SURFACES	6	4	3	25	75	100
4	*Elective 1 Inter Disciplinary –I	ADVANCED GRAPHIC DESIGN	4+2	3	3	25	75	100
5	Elective Extra Disciplinary -I		6	3	3	25	75	100
6	**	INTERNSHIP (30 DAYS)	---	2	---	25	75	100
7	Soft Skill – II			2		60	40	100
Total			30	22				

*Integrated practical orientated subject

**Internship will be carried out during the summer vacation of the second semester and the report will be evaluated by the two examiners within the department/ college/institution.

THIRD SEMESTER

S.No	Course components	Subjects	Inst hours	Credits	Exam hrs	Max marks		Total
						CIA	Extrn	
1	*Core paper – IX	ACCESSORIES IN INTERIORS	3+2	4	3	25	75	100
2	Core paper – X	ADVANCED AUTOCAD IN INTERIORS (PRACTICAL)	5	4	3	40	60	100
3	*Core paper - XI	COMMERCIAL INTERIORS	3+2	4	3	25	75	100
4	Core paper - XII	RESEARCH METHODOLOGY & STATISTICS	5	4	3	25	75	100
5	*Elective II	LANDSCAPE DESIGN	3+2	3	3	25	75	100
6	Elective Extra Disciplinary - II		5	3	3	25	75	100
7	Soft Skill - III			2		40	60	100
Total			30	24				

*Integrated practical orientated subject

FOURTH SEMESTER

S.No	Course components	Subjects	Inst hours	Credits	Exam hrs	Max marks		Total
						CIA	Extrn	
1	*Core paper –XIII	*ADVANCED BUILDING SYSTEM TECHNOLOGY IN INTERIORS	3+3	4	3	25	75	100
2	Core paper –XIV	DISSERTATION	6	8	3	40	60	100
3	Elective III	ERGONOMICS IN INTERIORS	6	3	3	25	75	100
4	Elective IV	GREEN INTERIORS	6	3	3	25	75	100
5	*Elective V	*FREE HAND SKETCHING	4+2	3	3	25	75	100
6	Soft Skill – IV			2		40	60	100
Total			30	23				

*Integrated practical orientated subject

Extra Disciplinary Electives to be offered to other department.

1. BASICS OF INTERIOR DECORATION
2. APPLIED ART ON FABRICS

The following procedure to be followed for internal marks:

Theory Papers: Internal Marks: 25

Best two test marks out of three	10 marks
Attendance	5 marks
Seminar	5 marks
Assignment	5 marks

Practical: Internal Marks: 40

Attendance	5 marks
Practical – best 2 out of 3	30 marks
Record	5 marks

Dissertation

First phase report	10 marks
Second phase report	10 marks
Final report	20 marks

40 marks

Break up details for attendance

Below 60%	- No marks
60% to 75%	- 3 marks
76% to 90%	- 4 marks
91% to 100%	- 5 marks

7. REQUIREMENTS FOR PROCEEDING TO SUBSEQUENT SEMESTER:

- i. Candidates shall register their names for the First Semester Examination after the admission in the PG Courses.
- ii. Candidates shall be permitted to proceed from, the First Semester up to Final Semester irrespective of their failure in any of the Semester Examination subject to the condition that the candidates should register for all the arrears subjects of earlier semester along with current (subsequent) semester subjects.
- iii. Students should have a minimum of 75% of the days in the semester in each paper.
- iv. In case of candidate earning less than 50% of attendance in anyone of the Semesters due to any extraordinary circumstances such as medical grounds. Such candidates, who shall produce Medical Certificate certified by the Principal of the College, shall be permitted to proceed to the

next semester and to complete the course of study. Such candidate shall have to repeat the missed by rejoining after completion of final semester of the course, after paying the fee for the break of study as prescribed by the University time to time.

- v. In respect of married students undergoing PG Course the minimum attendance condition (theory/practical) shall be relaxed and be prescribed as 55% instead of 65%. If they conceive during their academic career, medical certificate from the doctor attached to the Govt. Hospital (D.G.O) and fee prescribed for Rs 250/- therefore together with the attendance details shall be forward to the office to consider the condition of attendance mentioning the category.
- 65% - 74% - Permitted to appear for semester exam with condition fee.
- 50% - 60% - Not eligible to attend the semester exam. But can proceed to the next year/next semester and they can take university examination by paying the prescribed condition fee of Rs 250/-
- Less than 50% - Not eligible to attend the semester exam. Not permitted to proceed to the next semester; must repeat the semester by rejoining after obtaining prior permission from the university.

8. PASSING MINIMUM

- a) There shall be no passing minimum for internal.
- b) For external examination, passing minimum shall be 50% of the maximum marks prescribed for the paper.
- c) In the aggregate (external + internal) the passing minimum shall be 50% for each paper/practical/project/and viva voce.
- d) Grading shall be based on overall marks obtained (external + internal).

9. CLASSIFICATION OF SUCCESSFUL CANDIDATES

Candidates who secured not less than 60% of aggregate marks (internal + external) in the whole examination shall be declared to have passed the examination in first class.

All others successful candidates shall be declared to have passed in second class.

Candidates who obtain 75% of marks in the aggregate (internal + external) shall be deemed to have passed the examination in first class with distinction, provided they pass all examination prescribed for the course in the first appearance.

10. GRADING SYSTEM

As followed in the other Post-graduate Degree Courses affiliated to this University.

11. RANKING

Candidates who pass all the examination prescribed for the course with the first appearance itself alone are eligible for ranking/distinction.

12. PATTERN OF QUESTION PAPER

PART –A (50 words):Answer 10 out of 12 Questions 10 x 1 = 10 marks

PART –B(200 words):Answer 5 out of 7 Questions 5 x 5 = 25 marks

PART –C(500 words):Answer 4 out of 6 Questions 4 x 10 = 40 marks

13. SCOPE

An interior designer can undertake projects that include arranging the basic layout of spaces within a building as well as projects that require an understanding of technical issues such as acoustics, lighting and temperature. Interior designer can set up their own firms and work as a professional designers. For higher studies directly they can opt for doctorate.

A.C.S.'13

APPENDIX – 4(S)
UNIVERSITY OF MADRAS
CHOICE BASED CREDIT SYSTEM

M.Sc. DEGREE COURSE IN HOMES SCIENCE
INTERIOR DESIGN & DÉCOR

SYLLABUS
(w.e.f.2013-14)

HISTORY OF INTERIOR DESIGN

Core	: 1	Hours Of Instruction	: 6 hrs/ week
Semester	: I	Credit	: 4
Paper No	: I		
Code No	:		

Objectives

To enable the students to

1. Gain and understand the different styles in interior design
2. Study the purpose, relationship of architecture and interior decoration

Unit - I

Introduction and purpose of study of history, relationship between Architecture and interior decoration.

Unit - II

Study in historical development of art and architecture in the world With respect to: religions, cultural and social conditions, technological Development, import of foreign ideas, forms in art and architecture.

Unit – III

General orientation of history of Indian architecture and art, stressing Adaptation of art forms in different periods, analytical studies enquiring into development of art and design in various periods of Indian history From vedic times of mughal period.

Unit - IV

Different styles in Interior design - Art, Art Deco. , modernism, Post, Eclecticism, High tech & Hard edge style

Unit - V

Contemporary interiors - expression of material - purpose - house plan –Standards, Prehistoric and primitive construction methods.

REFERENCES

- Hinchman, Mark. History of Furniture: A Global View: New York: Fairchild Books, Inc., 2009. (ISBN: 978-1-56367-544-7)
- Irelan, Jeannie. History of Interior Design. New York: Fairchild Books, Inc., 2009. (ISBN: 978-1-56367-462-4)
- Wim Pauwels (2012), Contemporary Architecture & Interiors.

WEBSITE

1. http://en.wikipedia.org/wiki/Interior_architecture
2. <http://inar121.cankaya.edu.tr/course.php?page=Lecture%20Notes>
3. <http://urbanidnw.com/interior-design-styles-explained/>
4. <http://sweetydesign.com/home-design/living-room-designs/different-interior-design-styles>
5. <http://interiordec.about.com/od/contemporarystyle/a/contemporarystl.htm>

LIGHTING IN INTERIORS

Core : 2
Semester : I
Paper No : II
Code No :

Hours Of Instruction : 6 hrs/week
Credit : 4

Objectives

To enable the students to

- Know the requirements of lighting
- Enable the students to understand the types of lighting & lighting fixtures

Unit I

Lighting requirements

- Definition – objectives – functions and Importance of lighting
- Measurements of lighting – Units and Ideal light requirements, foot candle, luminance, day light factor, reflection factor
- Principles of Home Lighting.
- Glare-types and causes of glare

Unit II

Classification of Lighting

- Types of lighting – General lighting, Task or local lighting, Architectural lighting - Valance, Cove, cornice, bracket, recessed, semi-recessed, spot, skylights, soffit, track, panel. Methods of lighting- direct, semi-direct, In-direct, semi-indirect, diffused lighting.
- Forms of lighting - indoor lighting and outdoor lighting.
- Lighting fixtures – Structural lighting, Free-standing or portable - Table lamp fixtures, Floor lamp, standard lamp fixtures, and office task light luminaries.

Unit III

Lighting arrangement for Home Interior

- Light requirements for different rooms - Entrance hall, verandah, living, dining, bed room, study room, children's room, stairway, kitchen, store room bathroom and lavatory
- Minimum recommended light for various activities
- Suggestions for improving daylight illumination
- Reflectance of light in interior.

Unit IV

Electrical Installations

- Plan a layout for lighting the rooms
- Lighting Accessories - Selection of lamps and lampshades,
- Principles of wiring, Basic concepts, symbols used-types of wiring and accessories

Unit V

Recent trends in lighting home interior

- Modern features in lighting design and fixtures
- Latest materials and methods of lighting
- Exterior lighting, commercial lighting – offices, galleries, museums, stage lighting theaters, personal professional space etc

REFERENCES:

1. Newton,D.&Hayes, K. (2006) Kitchen and bath drawing. Hackettstown, New Jersey: The National Kitchen & Bath Association.
2. Olson, C. (2006). Candice Olson on design. Des Moines, Iowa:Meredith Books
3. Park, J. E., Park,K. 2004, Text Book of Preventive and Social Medicine, Banarsidas Bhanot, Jabalpur.
4. Stepat, D.D. 1991, Introduction to Home Furnishings, the Macmillan Company, New York.

WEBSITE:

1. <http://en.wikipedia.org/wiki/Lighting>
2. <http://www.thefreedictionary.com/lighting>
3. http://www.bde.es/bde/en/areas/supervision/funcion/objetivos_basico/Objetivos_basicos.html
4. <http://www.mediacollege.com/lighting/measurement/>
5. <http://www.labour.gov.hk/eng/public/oh/Lighting.pdf>
6. <http://www.westsideoptometrynow.com/2012/05/03/glare/>
7. [http://en.wikipedia.org/wiki/Glare_\(vision\)](http://en.wikipedia.org/wiki/Glare_(vision))

SPACE PLANNING IN INTERIORS (PRACTICAL)

Core : 3
Semester : I
Paper No : III
Code No :

Hours Of Instruction : 6 hrs/ week
Credit : 4

Objectives

Unit I

Types of plan, principles of planning, house plan – plan for Low income, Middle Income, High Income groups.

Unit II

Plan for furniture arrangement for different rooms using furniture cutout and applying art principles among different Income Group.

Unit III

Furnishing different types of rooms in the interior using application of art principles – living room, bed room, study room and dressing room.

Unit IV

Creation of Art objects –Glass painting, tile painting, fabric painting and pot painting.

Unit V

Furnishing different types of rooms to achieve various moods – formal, informal, traditional, country life style, exotic, romantic, masculine, feminine and impersonal.

REFERENCES:

- Chaudhari, S.N., (2006), interior design. Aavishkar publisher, Jaipur.
- Faulkner, R and Faulkner, S (1990), Inside Today's Home, Holt Rine Heart and Winston, London
- Joseph De Chiara, Julius Panero, Martin Zelnik, (1992), Time Saver standards for interior design a space planning, Mc Graw Hill, New York.
- Prabhakar, L.V. (1998), Vasthu – The User's manual, The Avenue Press, Chennai.
- Rao, C.H.G. (1995), Plants for small houses, Jai Ganesh offset Printers, Chennai.

WEBSITE

- <http://www.wbdg.org/ccb/AF/AFDG/interior.pdf>
- <http://www.scribd.com/doc/25076543/Interior-Design-Space-Planning-A>

TRADITIONAL INTERIORS

Core : 4
Semester : I
Paper No : IV
Code No :

Hours Of Instruction : 6 hrs/ week
Credit : 4

Objectives

To enable the students to

- Understand the components, principles, and aims of art
- Established certain laws and principles that help us to recognize and appreciate beauty.

Unit I

Provincial Style, - Factors responsible for the development of provincial style of Gujarat and Rajasthan. Different house decoration, Furniture styles and accessories

Unit II

Dravidian style – Different style of housing in India

Unit III

Vernacular Interiors Folk arts and crafts in reference to Indian interiors, Murals- Wall decoration used in interiors.

Related experience: Visit to weaving centers, glass blowing and traditional art places

Unit IV

Traditional Philosophies Fengshui, Vaastu – principles, elements.

Traditional Folk Arts and Craft in interior decoration.

Related experience: Baskets weaving, Pot painting, block printing, peepful leaf painting, palm leaf craft

Unit V

Indian colonialism in Interiors, Colonialism & its impact on Indian Interiors, Early British Neo classical style and its example.

Related experience: Work shop on arts and craft.

REFERENCES:

- Levine M (1998), Living rooms, Rockport publishers, USA.
- Mullick.P, (2000), Textbook of Home science, Kalyani publishers, New Delhi.
- Wilhide, E and Cope stick, I. (2000) contemporary decorating, conron octopus Ltd., London.

WEBSITE

1. http://en.wikipedia.org/wiki/Arts_and_Crafts_movement
2. http://en.wikipedia.org/wiki/Draavidian_architecture
3. <http://gracie-senseandsimplicity.blogspot.in/2011/03/11-elements-of-british-colonial-decor.html>
4. <http://vastudirection.com/five-elements-of-nature/>
5. http://www.ehow.com/info_12072392_french-provincial-home-decorating.html

ART OF COLOUR AND DESIGN IN FURNISHING

Core	: 5	Hours Of Instruction	: 6 hrs / week
Semester	: I	Credit	: 4
Paper No	: V		
Code No	:		

Objectives

To enable the students to

1. Identify the qualities of colour and colour schemes.
2. Identify various types of furnishing, criteria for their selection and care.

Unit I

Colour Terminology: Definition, Qualities/properties of dimensions of colour, Hue, Value, Intensity. The colour wheel/systems - Prang colour system, Munsell colour system, Psychologist colour chart and physicist colour chart. Psychological effects of colour, Effects of light on colour.

Related experience – Painting colour charts.

Unit II

Art principles in colour: Harmony, proportion, balance, rhythm and emphasis. Colour Vs daylight and artificial light, Colour temperature, Light reflection / absorption and colour, Colour as an important décor element. Colour schemes related to colour harmony and complementary colour harmony.

Related experience – painting different rooms with various colour harmony

Unit III

Windows and window treatment: Types of Windows – Dormer, cathedral, Ranch, Picture, Window wall, Double hung, Sliding, Casement, Awnings, Tilt and Turn, Hopper, Bay and Bow, French door, Arch window. Window treatment – Hard – Blinds, Shades, shutters, Lamberquin, Panel track, Shoji Screens etc. curtains and draperies - soft – one way draw, two way draw, tie back, criss cross, tier, café, double hung draw, casement curtain and glass etc. Decorative curtain head – Swag and cascade, valence, etc. Accessories for window treatment.

Related experience – designing Curtains and draperies

Unit IV

Surface enrichment of fabrics - Hand printing and dyeing - Block, Stenciling, tie and dye and batik - Equipment required preparing the fabric and developing design.

Related experience – Application of art principles related to home furnishing

Unit V

Soft floor covering - Selection factors for carpets and rugs – types (woven and non – woven) materials used, care and maintenance. Household linen – types, selection, use and care.

Related experience – visit to handloom centers

REFERENCES:

- Chaudhari, S.N. 2006, Interior Design, Aavishkar Publishers, Jaipur, India.
- Choudhury, A.K.R. 2000, Modern Concepts of Colour and Appearance, Oxford and IBH publishing Co. Pvt. Ltd., New Delhi.
- Hillard, E. 2000, Brilliant Colour at Home, Kyle Cathie Ltd., London.
- Kasu, A.A. 2005, Interior Design, Ashish Book Centre, Delhi.

WEBSITE

1. http://en.wikipedia.org/wiki/Color_vision
2. http://en.wikipedia.org/wiki/Munsell_color_system
3. <http://www.docstoc.com/docs/108663367/The-Munsell-and-Prang-Color-Systems>
4. <http://www.google.com/patents/US20050211147>
5. http://www.carinyawindows.com.au/types_windows_doors.php
6. <http://www.linenclub.com/community/linen-garments/>

SEMESTER II

HISTORY OF ARCHITECTURE AND FURNITURE DESIGN

Core	: 6	Hours Of Instruction	:6hrs/week
Semester	: II	Credit	: 4
Paper No	: VI		
Code No	:		

Objectives

To enable the students to

- Familiarize students with modern history of architecture, furniture design and art.
- Familiarize students with the furniture styles and its outstanding works.

Unit I:

History of architectural styles

- 17th century - Baroque style, Century style furniture and English style.
- 18th century – Rococo style, neo classical style and empire style.
- 19th century- Art Nouveau style and Italianate Style.
- 20th century – Modern school in Chicago.

Unit II

Indian Architecture – Indus valley civilization, post maha janapadas period, Dravidian Architecture, chalukya architecture, Hoysala architecture, Islamic influence and mughals era and Colonial architecture.

Unit III

Western architecture - Neolithic period, ancient Egyptian architecture, Greek architecture, Roman architecture, byzantine architecture, Renaissance.

Unit IV

Types classified by materials – wooden furniture, bamboo furniture, wicker or rattan furniture, metal furniture, plastic furniture, glass furniture and concrete furniture.

Unit V:

Elements of style in Furniture. Chippendale, hepplewhite, Jacobean furniture, Queen Anne period, William and mary period, adam furniture, Sheraton furniture, American provincial furniture, early American style, Duncan phyfe furniture, contemporary furniture. Selection of Furniture.

REFERENCES:

- A history of interior design – 2nd edn – 2005 – John Wiley & sons.Inc
- Jeannie Ireland (2009), History of Interior Design, air child publications, illustrated ed.,
- Jim Postell, Furniture Design , Wiley publishers, 2007.
- Robbie.G. Blakemore, (2005), History of Interior Design and Furniture. From Ancient Egypt to Nineteenth – Century Europe, Wiley Publishers,

WEBSITE

- http://emuonline.emu.edu.tr/inar328/pdf/part10_11.pdf
- <http://www.britannica.com/EBchecked/topic/222627/furniture/73726/England#toc73727>
- <http://www.culturalindia.net/indian-architecture/index.html>
- http://en.wikipedia.org/wiki/Architecture_of_India
- <http://www.life123.com/arts-culture/architecture-2/colonial-architecture/colonial-architecture.shtml>
- http://en.wikipedia.org/wiki/American_colonial_architecture

FURNITURE DESIGN (PRACTICAL)

Core : 7
Semester : II
Paper No : VII
Code No :

Hours Of Instruction : 6 hrs / week
Credit : 4

Objectives

To enable the students to

- Learn the dimensions of furniture design
- Learn the availability of designs used for furniture.

Unit- I

Furniture categories, exploration of the idea of furniture, Design approaches in furniture design.

Measured drawing of a piece of furniture - plan, elevation and drawings on full scale Measuring and drawing to scale – scales and construction of scales, simple objects, furniture, rooms, doors and windows etc. in plan, elevation and section etc. reduction and enlargement of drawings.

Unit - II

An introduction of various manufacturing processes most frequently adopted in furniture design such as Injection Molding, investment casting, sheet metal work, die casting, blow- molding, vacuum – forming.

Unit-III

Seating Design: Different types of seating with a focus on the following -

- Functionality
- Aesthetic
- Style
- Human factors and ergonomics

The other component to be considered is the cost of the designed furniture piece.

Unit-IV

Storage systems: Functional analysis of storage systems and thereby deriving types of cabinets needed for interior spaces - kitchen cabinets, wardrobes closets, book cases, show cases display systems etc.

Unit V

Carpentry, workshop metal workshop painting & polishing workshop.

REFERENCES :

- Bradley Quinn, Mid-Century Modern: Interiors, Furniture, Design Details, Conran Octopus Interiors, 2006.
- Jim Postell, Furniture Design, Wiley Publishers, 2007.
- John.F.Pile, Interior Design, 2nd edition, illustrated, H.N.Abrams, 1995.
- Robbie. G. Blakemore, History of Interior Design and Furniture: From Ancient Egypt to Nineteenth-Century Europe, Wiley publishers, 2005.

DESIGN AND DÉCOR OF SURFACES

Core : 8
Semester : II
Paper No : VIII
Code No :

Hours Of Instruction : 6hrs/week
Credit : 4

Objectives

To enable the students to

1. Gain the knowledge about wall, floors and ceilings
2. Design the interiors and exteriors
3. Learn about surface enrichment

Unit I

Purpose and relevance of surface application on exteriors and interiors, its uses in various fields

Unit II

Walls – brick wall, wooden wall, stone wall, pavestone wall, Partition wall, movable partitions, boundary wall, shared walls, portable walls and wall coverings – painting, Cork and cork veneer, fabric backed vinyl, paper backed vinyl, metalised foil wall covering, relief wall covering, acoustical wall covering, fabric wall covering, wallpaper, painting, kinds of wall paper, selection of wall paper, advantages and disadvantages of wallpaper, care and maintenance.

Unit III

Floors, Types of floors –Hard - Durable but noisy, Fire Retardant, Easily cleaned. Marble Sand stone, Granite , Concrete, Vitreous Tile, Glazed Tile, Mosaic, Resin, Wooden flooring Semi Hard flooring – Cork, Cork tiles with PVC, Rubber, Plastic flooring – Tiles rubber, cork, flexible vinyl Soft flooring - carpet, rugs.

Unit IV

Ceilings, Treatment of ceilings and False Ceiling: Plaster of Paris, other innovative materials, construction terminology and details.

Unit V

Physical and behavioural properties, application in the construction of floors, walls, ceilings, doors, windows, staircase, built in furniture, partitions and other interior design components.

REFERENCE

- Francis D.Ching, Design Drawing, Wiley publishers
- John.F.Pile, Interior Design, 2nd edition, illustrated, H.N.Abrams, 1995.
- Maureen Mitton, Interior Design Visual Presentation: A Guide to graphics, models and presentation techniques, 3rd edition, wiley publishers, 2007

WEBSITE

- <http://www.ca.uky.edu/agc/pubs/fcs4/fcs4402/fcs4402.pdf>
- <http://en.wikipedia.org/wiki/Flooring>
- http://www.ehow.com/list_7595438_types-floors-floor-coverings.html
- <http://www.diyadvice.com/diy/painting/interior/>

ADVANCED GRAPHIC DESIGN (Inter Disciplinary Elective – I)

Semester	: II	Hours Of Instruction	: 6hrs/ week
Elective	: I	Credit	: 3
Paper No	:		
Code No	:		

Objectives

To enable the students to

1. Introduce the student to the field of graphic design, the realities of design practice and the procedures of the designer.
2. Understand and define successful graphic design

Unit – I

Introduction to pencil exercises – Knowledge about usage of different points of pencils, handling of pencils, practicing lines and tone building exercises.

Related Experience: Pencil sketching, shading.

Unit – II

Exercises of object drawings – natural geometric forms with emphasis on depth and dimension, detail & texture, sunlight & shadow.

Related Experience: Exercises in drafting - lines, dimensioning, lettering, borders, title panels, tracing in pencil, ink, use of tracing cloth.

Unit – III

Drawing – Drawing sheet sizes, composition, fixing. Simple exercises in drafting, point and line, line types, line weights, straight and curvilinear lines, dimensioning, lettering, borders, title panels, tracing in pencil, ink, use of tracing cloth. Portfolio preparation.

Related Experience: Posters, Calligraphy and Object sketching.

Unit – IV

Interiors and furniture sketching – Interior still life, perspectives, lighting & composition, textures and details, individual pieces of furniture, elevations & plans etc. using different media.

Related Experience: furniture sketching

Unit – V

Building Geometry – Study of points, lines and planes leading to simple and complex solid geometrical forms. Use of geometry in buildings - isometric, axonometric, and oblique views. Working with models to facilitate visualization.

Related Experience: Model making.

REFERENCES:

- Bhatt, N.D. and Panchal V.M.Engineering Drawing: Plane and Solid Geometry, 42nd ed. Charotar Pub., Anand, 2000.
- Bies, D.John. Architectural Drafting: Structure and Environment Bobbs – Merril Educational Pub., Indianapolis.
- Francis D. Ching – Architectural Graphics , Wiley publishers, 2002
- Francis D.Ching, Design Drawing, Wiley publishers
- Maureen Mitton, Interior Design Visual Presentation: A Guide to graphics, models and presentation techniques, 3rd edition, wiley publishers, 2007
- Mogali Delgade Yanes and Ernest Redondo Dominquez, Freehand drawing for Architects and Interior Designers, ww.Norton & co., 2005
- Shah, M.G., Kale, C.M. and Patki, S.Y. Building Drawing: with an integrated approach to built environment, 7th ed. Tata Mc Graw Hill Pub., Delhi, 2000.
- Thoms, E.French. Graphics Science and Design, New York: MC Graw Hill.

WEBSITE

1. <http://drawsketch.about.com/od/learntodraw/ss/pencilshading.htm>
2. http://www.toadhollowstudio.com/drawing_workshops/Shading_1.html
3. <http://www.interior-design-it-yourself.com/layout.html>
4. <http://www.readmassive.com/arts/Sketching-and-Rendering-in-Pencil/Interiors-And-Furniture-Part-2.html>

INTERNSHIP

Semester : II
Paper No :
Code No :

Credit : 2

Students in the interior design program are required to participate in the department – coordinated internship program that involves a 30 day professional experience. At the conclusion of this experience students submit a final project that demonstrates their growth of knowledge and skills in the field of interior design. Placements include regional, national and residential design firms such as Weaving mill,

fashion design, Dakshinchitra, Craft show rooms, Architectural firms, Metal Arts And Crafts (Repousse), ceramic design and textile mills including embroidery designing and weaving, construction companies, event management in hotels and product manufacturers.

Internships will be permitted in the following three areas:

a) Interior design/Architecture firms

b) Interior design specialisations - Examples of Interior design specializations that may provide avenues for practice exposure include lighting design, furniture design, cost estimation, specification writing, materials and product research, strategic planning, programming, post occupancy evaluation, sustainable design, historic preservation, community development, facilities management, construction administration and culture based design.

c) Related specialisations - Examples of related specializations may include companies such as model home design, kitchen and bath design, art representation, color specialist, architectural writing and publication and architectural photography

Internship will be carried out during the summer vacation of the second semester and the report will be evaluated by the two examiners within the department.

III SEMESTER ACCESSORIES IN INTERIORS

Core	: 9	Hours Of Instruction	: 5 hrs / week
Semester	: III	Credit	: 4
Paper No	: IX		
Code No	:		

Objectives:

To enable the students to

1. Gain knowledge about importance of accessories in interior
2. Enhance the aesthetic perception of materials and design.
3. Develop systematic design approach and integration of designed accessories with the interior.

Unit I

Definition, meaning and concept of accessories. Types of accessories – Functional and decorative. Selection and arrangement of accessories.

Related experience - Collecting pictures of accessories

Unit II

Design with a focus on functionality, ergonomics, aesthetics, multiple usages. Design aspects of accessories. Selection of pictures, Types of pictures, framing and hanging law of margin in picture framing, sculpture, antiques.

Related experience – designing pictures for framing as accessories.

Unit III

Moods- definition, types of moods- cheer, joy, romance, excitement, reading. Placement of accessories in different rooms of an interior and its impact on the moods of an interior – bedroom, study room, living room, dining room, children’s room and entertainment room.

Related experience - Arrangement of accessories according to the moods

Unit IV

Flower Arrangement - Definition, importance of flower arrangement, Names of flowers, Selection of materials, flower vessels – Standing vases – flower baskets – bamboo vases – hooked vases – suspended vases – flower fasteners – choice of flower vessels - water in vases- stones and rocks – flower trays and stands. Flowers – its colours, textures and its visual perception in various indoor spaces and science of flower arrangement. Types of arrangements - traditional, modern, hanging, dried, floating, fruit and foliage. Japanese styles - Ikebana, Moribana, Nagarie, Shikibana, Morimono, Rikka, Ukibana.

Related experience - Flower arrangement practical

Unit V

Flowers for Various Occasion- Position of flowers in rooms, Arrangement of flowers, Preservation of flowers, Flowers for the five festivals, flowers for wedding Ceremonies.

Related experience - Visit to nursery garden.

REFERENCES

- Chaudhari, S.N. 2006, Interior Design, Aavishkar Publishers, Jaipur, India.
- Choudhury, A.K.R. 2000, Modern Concepts of Colour and Appearance, Oxford and IBH Pubhsning Co. Pvt. Ltd., New Delhi.
- Hilliard, E. 2000, Brilliant Colour at Home, Kyle Cathie Ltd., London.
- International Design Year Book, 1995: Furniture, Lighting, Tableware, Textiles and Products, Books Nippan, 1996.
- Laura Slack, What is product Design? Roto Vision Publishers, 2006.
- Pile F 1997 Colour in Interior Design, Mc Graw hill, New York.
- Treens Crochet and David Vleck, Designers’s Guide to Decorative Accessories, Prentice Hall, Ist Edition, 2008.
- Wyszecki, G and Stiles, W.S. 2000, Colour Science - Concepts and Methods, Quantitative Data and Formulae, John Wiley and Sons Inc., New York.

WEBSITE

- <http://www.indiamart.com/handi-exports/flower-vessels-stands.html>
- <http://www.theflowerexpert.com/content/growingflowers/flowers-and-seasons>
- <http://www.talktalk.co.uk/home-garden/garden-advice/orchids-care.html>
- <http://www.houzz.com/ideabooks/271411/list/5-Ways-to-Decorate-Around-a-Flat-Screen-TV>
- <http://www.wvu.edu/~agexten/hortcult/flowers/preservi.htm>

ADVANCED AUTOCAD IN INTERIORS (PRACTICAL)

Core	: 10	Hours Of Instruction	: 5 hrs/week
Semester	: III	Credit	: 4
Paper No	: X		
Code No	:		

Objectives:

To enable the students to

1. Learn basic skills of modeling.
2. Exercise methods of interface.
3. Help transform spaces in combining form and function.

Unit I Introduction

Command Line, Status Toggles, Drawing Controls, Units, Workspace, Line, Polyline, Circle, Arc, Rectangle, Ellipse, Spline, Polygon, Construction Line, Hatching, Gradient, Inquiry, Measure, Select All, Modify, Move, Copy, Rotate, Mirror, Fillet, Trim, Extend, Erase, Offset, Explode, Array, Bring to front/Send to back, Stretch, Break, Polyline Edit, Spline Edit, Hatch Edit, Scale.

Unit II Layers

Creating layers, managing layers, Changing Layers, Line Type, Line Weights, Annotation, Dimensions, Text, Dimension, Text, Dimension Style, Text Style, Leaders, Properties, Colours, Line Weights, and Line Types.

Unit III Block, Insert, View, Plot

Create, Insert, Edit, Explode, Export, Insert, Attach, Navigate, View, Windows, Model Space, Layouts/Workspaces, View ports, Layout scaling, Paper setup, Plot scale, Offset,

Unit IV Introduction to 3D

Co – ordinate Systems for 3D, Creating Model, Creating meshes, Concept of elevation and thickness, Surface Modeling, 3D mesh, Solid Models, Controlling UCS.

Unit V Orientation towards 3D

2D to 3D conversion, perspective view, Walk through the layout. Types of 3D models, viewing 3 D models, 3D face, Revolve.

REFERENCES:

- Teyapoovan. T., Engineering Drawing with Auto CAD 2000. Vikas Pub House Pvt Ltd., New Delhi, 2000.
- Georgeomura, Auto CAD, Release 2000.
- Omura, G. (2005). Mastering Auto CAD BPB Publications, New Delhi.
- Saxena, S. (2003), A first course in computers, Vikas Publishing house, New Delhi.

WEBSITE

- <http://cad2learn.com/autocad-layer-toolbar-for-autocad-2013/>
- <http://docs.autodesk.com/ACD/2010/ENU/AutoCAD%202010%20User%20Documentation/index.html?url=WS1a9193826455f5ffa23ce210c4a30acaf-77af.htm,topicNumber=d0e22292>

COMMERCIAL INTERIORS

Core	: 11	Hours Of Instruction	: 5 hrs/week
Semester	: III	Credit	: 4
Paper No	: XI		
Code No	:		

Objectives:

To enable the students to

1. Learn about the importance and application of principles of art for commercial purpose
2. Apply the techniques of art in interior and window display
3. Know the current trends in commercial architecture

Unit I

Introduction to commercial interior space design- types of commercial interior spaces – factors influencing designing of commercial interior spaces – materials used in designing commercial interior spaces

- Related Experience - Collection of materials used for designing interior space.

Unit II

Art in commercial space designing and planning space for various commercial purposes – restaurants and hotels, public utility services – Airport, Educational Institution, Hospitals Shopping Complex, Exhibition, Schools, Malls, Universities and trade Fairs.

Unit III

Commercial display and techniques – interior display, general arrangement, types of lighting arrangement in Commercial buildings

- Related Experience – visit to commercial interior places.

Unit IV

Window display – meaning and concept, basic principles and techniques, types of window display, window arrangement

- Related Experience- compilation of photo in window display.

Unit V

New trends in commercial architecture, design in commercial building. Basic concepts of commercial building.

- Related Experience – model making of commercial building

REFERENCES:

1. Gupta, C.B., Dr. Nair, Rajan 2003, Marketing Management, Sultan Chand & Som, New Delhi.
2. Joseph, D.C., Julies, P. and Martiv, Z. 1992, Time Saver Standars for Interior Design and Space Planning, New York.
3. Nair, R. 2002, Marketing, Sultan Chnd and Sons publisher, New Delhi.
4. Pattanchetti, C.C. Reddy, P.N. 1995, Marketing, Rainbow Publishers, Coimbatore.

RESEARCH METHODOLOGY & STATISTICS

Core : 12
Semester : III
Paper No : XII
Code No :

Hours Of Instruction : 5 hrs/week
Credit : 4

Objectives:

To enable the students to

1. Understand the fundamental principles and techniques in Research Methodology.
2. Get an overview of the methodologies used in educational research.
3. Apply statistical procedures to analyse numerical data and draw inferences.

Unit I

Meaning and definition of research, characteristics of good research. Types of research. Reasearch Design – Steps in the Research Process, hypothesis and types of hypothesis. Types of variables.

Unit II

Sample and sampling techniques: Sample, importance of sampling, Methods of sampling- probability and non- probability. Data - types of data, tools for data collection.

Unit III

Editing, Coding and Presentation: Coding, Needs and types of Editing, Types of Reports, steps in report writing, Diagrammatic and Graphic representation, Bibliography and foot notes.

Unit IV

Measures of central tendency – mean, median, mode, standard deviation, standard error, coefficient of variation, kurtosis, skewness.

Unit V

Correlation and Regression and its interpretation – Linear regression and correlation coefficient – Regression and prediction – Rank correlation, Tests of significance Chi square test and its interpretation – Analysis of Variance and its interpretation.

REFERENCES:

- Gupta, S.(2001)"Research Methodology and Statistical Techniques", Deep and Deep, New Delhi
- John W. Best and James V. Kahn, "Research in education" (2000), seventh edition, Prentice Hall of India Pvt Ltd, New Delhi.
- Kothari, C.R. (2000):"Research Methodology: Methods and Techniques",Wishwa Prakashan, New Delhi.
- Lokesh Koul (1998), "Methodology of educational research", 3rd edition, Vikas Publishing house pvt ltd, New Delhi.
- Rajammal P.Devadas (1983), "A handbook on Methodology of research", Latest edition, Sri Ramakrishna Mission.

WEBSITE:

- http://www.ihmgwalior.net/pdf/research_methodology.pdf
- <http://www.faculty.fairfield.edu/faculty/hodgson/Courses/so11/methods/methods.htm>

LANDSCAPE DESIGN (Inter Disciplinary Elective – II)

Semester	: III	Hours Instruction	: 5 hrs/ week
Elective	: 2	Credit	: 3
Paper No	:		
Code No	:		

Objectives:

To enable the students to

1. Develop a conceptual understanding of design parameters for various built forms
2. Develop Skills in integrating landscape design with built environments

Unit I

Landscape – meaning and importance, types of garden, garden components, garden design – formal and informal, principles of landscape gardening.

Unit II

Introduction to landscape architecture and role of landscaping design in the built environment. Types of natural elements – stones, rocks, pebbles, plants and vegetation. Elements of interior landscape. Types of indoor plants, care and maintenance of plants.

Unit III

Landscape design parameters for various types of built forms – indoor and outdoor linkage to spaces.
Landscaping of courtyards- residential and commercial forms.

Unit IV

Pot culture – meaning, selection of pots, plants suitable for indoor, hanging baskets, display and placement, care of indoor plants.

Unit V

Indoor plant – Definition, importance and types of plants. Care and maintenance of indoor plants, environmental factors - Light: intensity, duration, source, effects, modifications, temperature, humidity, air movement and quality. Bonsai – meaning, plants suitable for bonsai culture, techniques and styles. Artificial indoor plant.

REFERENCES:

- Chaudhari, S.N. 2006, Interior Design, Aavishkar Publishers, Jaipur, India.
- Choudhury, A.K.R. 2000, Modern Concepts of Colour and Appearance, Oxford and IBH Publishing Co. Pvt. Ltd., New Delhi.
- Hilliard, E. 2000, Brilliant Colour at Home, Kyle Cathie Ltd., London.
- Laura Slack, What is product Design? Roto Vision Publishers, 2006.
- Pile F 1997 Colour in Interior Design, Mc Graw hill, New York.
- Treens Crochet and David Vleck, Designers's Guide to Decorative Accessories, Prentice Hall, 1st Edition, 2008.
- Wyszecski, G and Stiles, W.S. 2000, Colour Science - Concepts and Methods, Quantitative Data and Formulae, John Wiley and Sons Inc., New York.

WEBSITE

- <http://www.indiamart.com/handi-exports/flower-vessels-stands.html>
- <http://www.theflowerexpert.com/content/growingflowers/flowers-and-seasons>
- <http://www.talktalk.co.uk/home-garden/garden-advice/orchids-care.html>
- <http://www.houzz.com/ideabooks/271411/list/5-Ways-to-Decorate-Around-a-Flat-Screen-TV>
- <http://www.wvu.edu/~agexten/hortcult/flowers/preservi.htm>

SEMESTER IV

ADVANCED BUILDING SYSTEM TECHNOLOGY IN INTERIORS

Core : 13
Semester : IV
Paper No : XIII

Hours Of Instruction : 6 hrs/week
Credit : 4

Objectives:

To enable the students to

1. Understanding of various materials and
2. Learn methods of interior construction so that this knowledge can be integrated with the design.

Unit 1

Building Materials: Types and its uses of Wood, Glass, Metal, Plastics, Stone, Clay products.

Related experience: Collection and compiling of building materials.

Unit II

Components of building: Arches, Lintels, Stair case – Function, technical terms and types, Doors – function, different types of materials – timber, steel, partition walls.

Related experience: Picture compilation

Unit III

Acoustics and sound insulation: Definition, behaviour of sound in interiors, Acoustical defects, Echo, reverberation, time, Noise control within a space auditorium acoustics, Acoustical materials.

Unit IV

Air conditioning system: Definition, Need for Air conditioning, selection of Air conditioning, principles of Air conditioning, classification of Air conditioning, individual system, packaged system, and central system, Application in buildings like apartment, guest room, library, museum and hospitals.

Unit V

Plumbing system: Water supply within buildings, drainage system for residences Different types of trap, sanitary apparatus.

Related experience: layout plan for plumbing system.

REFERENCES:

- McKays's, (1995). Building construction, Volume one, Longmans, Latest Ed.,
- Punmia B.C. (2008), Building construction, Laxmi publication, New Delhi.
- Rangwala , (2010), Building Construction, Charotor Publisher, Guujarat, India.
- Rangwala , (2010), Engineering materials, Charotor Publisher, Guujarat, India.

WEBSITE

- http://www.monier.co.nz/Uploads/Download/28/design_note_a3_construction_details_windows_openings_arches_lintels.pdf
- <http://www.naturalhandyman.com/iip/infextra/inflload.html>
- <http://www.mattsonmacdonald.com/documents/BearingWallRemoval.pdf>
- <http://www.kznhealth.gov.za/occhealth/construction.pdf>
- <http://www2.worksafebc.com/portals/construction/RegulationAndGuidelines.asp>

DISSERTATION

Core : 14
Semester : IV
Paper No : XIV

Hours Of Instruction : 6 hrs/week
Credit : 8

Objectives:

To enable the students to

1. Individual studies and carry the following format. Preliminaries – Title page, Certificate of originality by the guide

Unit I

Introduction – statement of the problem, significance of the problem, need for the present study, objectives, definitions.

Unit II

Review of literature.

Unit III

Methodology - apparatus or instrumentation, procedure, hypothesis results and discussion – table and figures, statistical presentation, support or non support of hypothesis.

Unit IV

Summary and conclusion
Suggestions for future studies.

Unit V

References
Appendix

REFERENCES:

- John W. Best (1983), "Research in education" – Prentice Hall Inc, India Private Limited., New Delhi.
- Kerlinger F.N. (1965), "Foundation of behavioral research, Hole, Reinhart and Winston, New York.,
- Leon Festing and Dieneal Katz, (1996), Research methods in the behavioural science, amerind Publishing Co.Pvt.Ltd.Delhi
- Rajammal Devadas K.Kulandaivel (1995), "A handbook of methodology of research", Ramakrishna Mission vidhyalaya, Coimbatore.

WEBSITE

- http://www.designresearchsociety.org/docs-procs/ded3/d_final_paper/d_15.pdf

ERGONOMICS IN INTERIORS
(Inter Disciplinary Elective – III)

Semester	: IV	Hours Of Instruction	: 6 hrs/ week
Elective	: III	Credit	: 3

Objectives:

To enable the students to

1. Become aware of the ergonomic principles for improving work efficiency.
2. Understand environmental comfort and discomfort in the work place. Understand the contributors of stress and stress coping techniques.

Unit I

Ergonomics - definition, concept and scope. Concept of work, work place – designing work areas based on ergonomic principles and worker. Seating and posture - Orthopaedic aspects of seating - set design - anthropometric consideration in furniture designing.

Unit II

Work environment

Spatial requirement - anthropometric dimension of workers at work and rest, normal, maximum vertical and horizontal reaches, elbow room, clearance space for operating equipment, circulation space in rooms, corridors, floor space and work heights when seated and standing.

Temperature - air movements, humidity, exchange of heat between human body and surroundings, comfort and discomfort, factors affecting comfortable temperature, ventilation, and requirement of air movement.

Unit III

Lighting and Noise - Adequacy of lighting at work place, physiological requirement, psychological effect of lighting and the work efficiency of the worker. Flooring - thermal properties of flooring and their effects of physical condition at work, accident and safety.

Noise - Definition, sources of noise, indoor and outdoor noise level, effects of noise on psychological and intellectual activities, measurement of noise.

Unit IV

Stress and stress Management - Meaning, causes, types, symptoms, stress related problems, stress coping techniques, diet, exercise, meditation, relaxation techniques and social activities, biological environmental factors – temperature, lighting, ventilation and acoustics.

Unit V

Work Simplification - Work simplification - definition, technique, Mundels classes of change. Assessment of space allowance for selected activities and equipment. Determining the relationship of anthropometric dimensions of workers with space requirements of selected activities.

REFERENCES:

- Aaras, A., HArgen, G., Bjorset, HS.Rao and Walsoe, H., (2001) Musculoskeletal, Visual and Psychological Stress in VDU operators before & after multidisciplinary ergonomic Intervention.
- Barner, R.M. (1980), Motion and time study, Design and measurement of work. New York, John Wiley.
- Bullock, (1990). Ergonomics – The physiotherapist in the work place, Churchill Livingstone Publishers, United Status.
- Jhamb, (1991). Work study and Ergonomics At work, John Wiley and Sons. Newyork.

WEBSITE

- <http://hydesmith.com/de-stress/files/StressMgt.pdf>
- <http://stress.about.com/>
- http://www.ehu.es/tsr_radio/images/International_Journals/PRIE-07-01.pdf
- <http://www.labour.gov.hk/eng/public/oh/Lighting.pdf>
- http://psasir.upm.edu.my/3115/1/Anthropometric_Dimensions.pdf

GREEN INTERIORS (Inter Disciplinary Elective – IV)

Semester : IV
Elective : IV
Paper No :
Code No :

Hours Of Instruction : 6 hrs/ week
Credit : 3

Objectives:

To enable the students to

1. Understanding the importance of green building technology.
2. Acquire knowledge in recent green interior materials and to trap rain water.

Unit-I

Green building technology – Meaning, concept, impact of green building on human health and natural environment, need, importance and benefits of green buildings.

Unit-II

Materials and finishes used in green buildings – Bamboo, straw, wood, dimension stone, Recycled stone, non-toxic metals, Earth blocks-compressed, rammed, baked; vermiculture, flax, linen, sisal, wood fibres, cork, coconut ,polyurethane block.

Unit-III

Green building practices and technologies. Roof, walls, floors – electrical, plumbing, windows, and doors, heating, ventilation and air conditioning (HVAC), insulation, Interior finishes, landscaping.

Unit-IV

Renewable energy resources Solar Energy – meaning and importance, advantages, principles and functions of solar devices – solar room heater, solar lights, solar water heater, solar air conditioners.

Unit-V

Water conservation technologies Rain water harvesting-importance, requirements of rain water harvesting structure, types of rain water harvesting systems, advantages.

REFERENCES:

- Diesendorf, Mark (2007). Greenhouse Solutions with Sustainable Energy.
- Faulkner, R., and Faulkner. S, (1987) Inside Today's Home, Rinehart publishing House, New york.
- Rai G.D (1996), Solar Energy Utilization, Khanna Publihsers, Delhi.
- Riggs, J.R. (1992) Materials and components of Interior Design, Regents Hall, New Jersey.
- Roa, M.P. (1998), Interior design, principles and practice, standard publishers, Delhi.

WEBSITE

- http://www.epa.gov/statelocalclimate/documents/pdf/12_8_what_is_green_GGGC.pdf
- http://www.etn-presco.net/links/sustainable-building_technical-guide.pdf
- <http://greenliving.nationalgeographic.com/importance-renewable-resources-energy-2146.html>
- <http://www.gdrc.org/uem/water/rainwater/rainwaterguide.pdf>

FREE HAND SKETCHING (Inter Disciplinary Elective – V)

Semester : IV
Elective : V
Paper No :
Code No :

Hours Of Instruction : 6 hrs/ week
Credit : 3

Objectives:

To enable the students to

1. Draw different types of design, develop design by using motifs.
2. Acquire skill in arranging different areas of a house by using principles by using principles of design.

Unit-I

Introduction to model making: Need, role of scale models in design, Ceramic designs, stained glass design, grill design.

Related experience: Develop a motif suitable for foot mat, window grill, table mat and furnishing materials

Unit-II

Design, Design Process, Visual Thinking, Sketching.

Related experience: sketching designs

Unit-III

Standards & Conventions, Construction Lines, Proportions Drawing types - Diagramming, Geometric Modeling.

Related experience: 3-D Solid Modeling

Unit-IV

Principles of design in handicrafts and textiles.

Related Experience: Apply design concepts in developing greeting card, saree border and floor decorations – flower carpet and rangoli.

Unit-V

Art principles in arrangement of: Living room, drawing room, pooja room, bedroom, adolescent boys or girls room, children's room and birthday party.

Related experience: Application of art principles in arrangement of: Living room, drawing room, pooja room, bedroom, adolescent boys or girls room, children's room and birthday party.

REFERENCES:

- Maria Dolores Ros Frijoa, The Art and Craft of ceramics: Techniques, projects, Inspiration, Lark books, 2006.
- Maureen Mitton, Interior Design Visual Presentation: A Guide to graphics, models and presentation techniques, 3rd edition, wiley publishers, 2007
- Mogali Delgade Yanes and Ernest Redondo Dominquez, Freehand drawing for Architects and Interior Designers, ww.Norton & co., 2005
- Shah, M.G., Kale, C.M. and Patki, S.Y. Building Drawing: with an integrated approach to built environment, 7th ed. Tata Mc Graw Hill Pub., Delhi, 2000.
- Susan Bruce, (2000). The Art of hand built ceramics, Crowood Press.

WEBSITE

- https://www.google.co.in/url?sa=t&rct=j&q=&esrc=s&source=web&cd=10&cad=rja&ved=0CGYQFjAJ&url=http%3A%2F%2Fwww.asis.org%2Fchapters%2Fsoasis%2Fevents%2F20010621b.ppt&ei=N3IrUd3FKoTQkgWJ8oGgDg&usg=AFQjCNFu_w-aEIpKYzf-Qp4zqznA2vFnQw&bvm=bv.42768644,d.dGI
- <http://www.wsdg.com/dynamic.asp?id=resources/taxi/layout>
- http://feng-shui.lovetoknow.com/Bedroom_Arrangement_Feng_Shui

Extra Disciplinary Electives to be offered to other department.

1.BASICS OF INTERIOR DECORATION (Extra disciplinary Elective – I)

Semester : II

Extra disciplinary Elective – I

Paper No :

Code No :

Hours Of Instruction : 6 hrs/ week

Credit : 3

Objectives

To enable the students to

1. Learn the significance of housing for the well-being of the family and to learn the space designing factors.
2. Learn the dimensions of colour and use colours in the interiors.

Unit I

Interior Design – Concepts and objectives, Trends in Interior Decoration – Past and Present.

Unit II

Design – Elements of design and its application in interior to bring illusion and to determine moods. Types of Design.

Unit III

Principles of Design – Harmony, Proportion, Balance, Rhythm and Emphasis.

Unit IV

Colour – Use of colour in the home, Colour theories, Prang colour chart, Munsell colour theory, Physiologist, Physicist and Psychologist colour theory. Art principles and colours – colour harmonies and effect of lighting on colours.

Unit V

Flower arrangement – Definition, Types of flower arrangement, steps in making flower arrangement, care and maintenance.

REFERENCES:

- Chaudhari, S.N. 2006, Interior Design, Aavishkar Publishers, Jaipur, India.
- Choudhury, A.K.R. 2000, Modern Concepts of Colour and Appearance, Oxford and IBH Pubhsning Co. Pvt. Ltd., New Delhi.
- Hilliard, E. 2000, Brilliant Colour at Home, Kyle Cathie Ltd., London.
- Mullick.P, (2000), Textbook of Home science, Kalyani publishers, New Delhi.

2. APPLIED ART ON FABRICS **(Extra disciplinary Elective – II)**

Semester : III
Extra disciplinary Elective – II
Paper No :
Code No :

Hours Of Instruction : 5hrs/ week
Credit : 3

Unit I **Basic principles of art**

Interrelationship of elements and optical illusion. Art principles related to home furnishing and clothing. Hand printing and dyeing – block, stenciling, tie and dye and batik.

Unit II

Embroidery – hand and Machine embroidery, appliqué, cutwork, smocking, drawn thread work, mirror work, crocheting.

Fabric painting - Preparation of fabric, developing suitable design, techniques involved in painting and finishing process.

Unit III

Soft furnishing – window treatment, Types of windows, curtains and draperies - selection factors, types, choice of fabrics for different rooms, methods of construction, curtain headings, decorative finishes, curtain and drapery fixtures and supplies.

Unit IV

Floor coverings – Selection factors, materials used, types, maintenance and care. Household linen – types, selection, use and care. Accessory furnishings – cushion and cushion covers, types and uses.

Unit V

Household linen – types, selection, use and care.
Accessory furnishings – types and uses cushion and cushion covers,

REFERNCES

- Jasleen Dhamija, The Indian folk, Arts and crafts, National Book Trust India, New Delhi, 1992.
- Kasu, A.A. 2005, Interior Desing, Ashish Book Centre, Delhi.
- Khanna, G. Art of Interior Design, Indica Publishers, Delhi.
- Shailaja D. Naik, Folk embroidery and handloom weaving, A.P.H Publishing Corportation, Newyork, 1997.

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