

DETAILED SYLLABUS
THIRD YEAR
SEM V

SUBJECT TITLE : FURNITURE DESIGN

SUBJECT CODE : BVCID3001

Objective:

To introduce students to the detailed thought process of designing & variations in the designs of furniture units as an effect of finer usage requirements for very specific types of users. To help the students understand about the various anthropometric aspects, human factors & other design criteria involves in the design of furnitures. To make the students understand about the various materials & technology involved in the making of furniture.

Contents

- History of furniture design
- Case study of a particular furniture type
- Detailed Measurements
- Understanding the functions, activity ,design scope & limitations
- Developing of a particular furniture type
- Define the material & Aesthetics aspects
- Furniture the design data to ergonomics Contents: • Understanding the critical issues of human anthropometrics, details and aesthetics and application of advanced materials & hardware.
- Analysing special needs of non-common / peculiar types of users, assessing the special design needs / requirements in terms of ergonomics, comfort, maximum usability, aesthetics,
- Design procedures & practices for specific user centric furniture unit designs.

Evaluation:

Continuous assessment of sessional work may consist of sketches, cad generated drawings, study models in various materials, case studies, visit reports, power point presentations etc.

Reference:

Interior Design, John F.Pile, Harry N.Abrams Inc Publishers, New York, Interior Design, Francis D. K. Ching, John Wiley & sons, New York, Office Furniture, Susan S. Szenasy, facts on file inc, New York, Time Saver Standards for Interior Design, Joseph De Chiara, McGraw Hill, New York

SUBJECT TITLE : OFFICE MANAGEMENT & PRACTICE

SUBJECT CODE : BVCID3002

Course objective:

To equip the students with the knowledge and skills of current practices, office and site management, codes of conduct of the individual (Council of Architecture – Interiors) and Indian Institute of Interior Designers.(IIID).

Contents

- Lectures demonstration/s to elaborate the process of allotment of interior project, the scope and stages of various design development, fees and remuneration to the site inspections, visits and close out of the structure.
- Tendering and current ways of project execution
 - Introduction, definitions and Tender types. • Tendering Procedure:
 - Aspects of Tender.
 - Contents of Tender Document: Billing & documentation.
- Avenues for professional practice including advantages and limitations • Professional Ethics • Codes of conduct and responsibility towards clients, fellow professionals, profession, contractors, suppliers, other consultants and the society. • Entering the profession. IIID & CoA documentation for the same.
- Office and interior project management
 - Working of interior design studio and ideal office structure, distribution of work, authority, duties and responsibilities, reporting etc. • Work ethics: Acts applicable, basis for professional fees and scales of fees, accounting, maintenance of books of accounts and records. • Basic principles of management and application to interior designing projects. • Introduction to Bar Charts, MS Projects.

References:

National Building code of India 2005 - Bureau of Indian Standards. V. K. Jain - Fire Safety in Buildings, New age International (Pvt. Ltd.,) Publishers, Chennai, 2007 , IS 9668: 1990 - Fire Fighting code of Practice - Bureau of Indian Standards.

SUBJECT TITLE : ADVANCE INTERIOR BUILDING SERVICES

SUBJECT CODE : BVCID3003

Objective:

In this semester the learner is expected to understand the basic planning and working of principles of Electrification, lighting, fire safety & security systems. Students should be able to prepare layouts for the on-site implementation of all these services on site.

Contents:

- Automation in Interior Design
- Fire safety systems – fire fighting provisions, types and applications.
- Fire retarding materials, fire rated doors etc.
- Introduction to principles of security, types of security systems, access control and its applications.
- CCTV

Thermal & acoustical systems

- Principles of heat and effects of heat, Purpose of thermal insulation, advantages of insulation, general principle of thermal insulation and modes of insulation.
- Introduction of Sound and properties and propagation of Sound,
- Types of Sound and effects, objective of Acoustics Terminologies.
- Strengthening, insulating, and eliminating of sound.
- Defects of sound.
- Applications: Strengthening of sound, Insulating, and elimination of sound
- for various activity spaces such as Sound recording studio, Conference hall, Open office and small auditorium

Evaluation

Sessional work may include application of above knowledge on their previous / current semester design. Continuous assessment of sessional work may consist of project work, case studies, research, power point presentations etc.

REFERENCES:

1. Derek Clements-Croome, Derek J. Croome, Intelligent buildings: Design, Management and Operation, Thomas Telford Books, London, 2004.
2. Albert Ting-pat So, Wai Lok Chan, Intelligent Building Systems, Kluwer Academic Publishers, 1999.
3. John.F. Pile, Interior Design, 2nd edition, illustrated, H.N.Abrams, 1995.
4. Wanda jankowski, Lighting : In Architecture and Interior Design, pbc intl, 1995.
5. Moore Fuller, Concepts and practice of Architectural Day lighting, Van Nostrand Reinhold co.New York, 1985.
6. David Egan. M. Concepts in Architecturallighting Mcgraw Hill Book company, New York, 1983.
7. Building services and equipments, Donald Hoff
8. ABC of Air-conditioning, Ernest Tricomi

SUBJECT TITLE : ELECTIVE II

SUBJECT CODE : BVCID3004

Objective:

To introduce the students the fundamentals of Set Designing and visual display designing, train students on both aesthetical and functional aspect of set design and display design.

To introduce the student the parameter of the specialization to develop skills required for the same.

SET DESIGN

Contents:

- Introduction to Set Design
- Study of Design Styles
- Principles & Elements of Set Design
- Types of Set Design
- Materials in Set Design
- Construction of Set Design
- Estimation & Budgeting
- Safety Measures
- Presentation Techniques

VISUAL DISPLAY DESIGN

Contents:

- Elements and Requirements
- Understanding Display Space
- Fashion psychology
- Structure & Organization, Customer Profiling
- Colour, Texture, Materials & Lighting
- Logo, Graphic Design & Visual Merchandising
- Cost Estimation, Material Purchase

Evaluation

Continuous assessment of sessional work may consist of project work, sketch books, power point presentations, case studies

Reference books:

1. Theatre of the World, by Frances A. Yates, 1987
2. Stock Scenery Construction Handbook, by Bill Raoul, Mike Monsos, 2015
3. Fundamentals of Theatrical Design: A Guide to the Basics of Scenic, Costume, and Lighting Design - Karen Brewster, Melissa Shafer, 2011
4. Movie Sets 101: The Definitive Survivor's Guide, by Paul J. Salamoff, 2005

SUBJECT TITLE : INTERIOR DESIGN STUDIO IV

SUBJECT CODE : BVCID3005

Objective :

In this semester the learner is expected to apply individual professional design acumen with enhanced skills of planning interior spaces related to commercial activity with use of eco-friendly materials and practices

. Learner will provide due emphasis to the relationship of space to the contextual environment, achieving individual interpretations through client profiling, case studies and

framing of requirements. The subject further explores application of advanced knowledge to materials used, construction techniques, modular furniture and services.

Contents :

- The assignment may include commercial projects like office
- Designing activity based small to medium sized Public spaces such as Art Gallery, shops, shopping center etc.
- SPA/ Saloon/ Therapy Centre / gymnasium.

NOTE: The carpet area of the project should not be less than, 150.00 sq.mts.

Evaluation:

Continuous assessment of sessional work may consist of sketches, cad generated drawings, study models in various materials, case studies, visit reports, power point presentations etc.

Design portfolio should consist of Project Brief, Client profile, Theme Sheet, Measurement Plan/ Furniture Layout Plan/ Flooring Layout/ Reflected Ceiling Layout/ Electrical Layout/ Lighting Layout, Sectional Elevations/ Perspective Views). Computer Aided Drawings are expected in this Semester.

REFERANCES:

Basic design and Anthropometry by Shirish Vasant Bapat. •The measure of men and women – human factors in design by Allvin R. Tilley and Henry Dreyfuss and associates. •Visual Dictionary of Architecture by D. K. Ching. •Interior design by Ahmed Kasu • Interior design by D.K. Ching •Time savers standards of interior design

SUBJECT TITLE : WORKING DRAWING STUDIO III

SUBJECT CODE : BVCID3006

Objective:

In this semester the learner is expected to prepare working drawing and details of furniture systems using various materials such as wood, plywood, block boards, artificial boards, metal, glass, stone etc. in various finishes. The learner is suggested to prepare working drawing and related details of the following furniture designed by them in the previous semesters.

Contents:

Working drawing of the following may be prepared based on the design projects done in Sem.-III & IV

1. shop front

2. door & window details
3. flooring pattern/ false ceiling design
4. Wall unit / Partition divider
5. Staircase railing in metal or glass.
6. Hydraulic lift
7. Reception counter & office furniture
8. conference table

Evaluation :

Continuous assessment of sessional work may consist of Computer generated drawing, journals, visit reports, sketch books, power point presentations etc.

REFERENCES:

1. F D K Ching, Building Construction Illustrated, Van Nortrand
2. William P. Spence L. Duane Griffith, Furniture & Cabinet Construction, Prentice Hall Inc. New Jersey
3. Mario Dal Fabro, How To Build Modern Furniture, McGraw Hill Book Company, New York.
4. William P. Spence L. Duane Griffith, Cabinet making, design & construction, Prentice Hall Inc. New Jersey
5. D.A.C.A. Boyne, Architects' Working Detail Vol. I/ III/ IV/ V & VIII, The Arch. Press Ltd. London.

**SUBJECT TITLE : ASSISTANT INTERIOR DESIGNER AND SITE SUPERVISOR
OR ASSISTANT SET DESIGNER / VISUAL DISPLAY DESIGNER**

SUBJECT CODE : BVCID3007

Objectives:

- To undertake practical training under the guidance of experts / professionals.
- To Learn about an Interior office management and learn about the process of design, execution and management of a project.

Contents:

- Students should work in organization where architecture or its allied disciplines are carried under professional.
- Total duration of Professional Training will be 120 working days in V sem

Evaluation:

- Student should maintain week wise work record in a diary to summarize the work done in the office, site visits, meetings with clients, agencies, interaction with principal architect. This diary should be authenticated by the architect every week.
- Professionals should issue a certificate of performance to the student with respect to the work quality, overall approach, and attitude towards office work.
- Students should produce report, work diary & some drawings with permission from the employer [to indicate the kind of work s/he has carried out] at the time of sessional -viva voce examination.

SUBJECT TITLE : SEMINAR ON CONTEMPORARY INTERIOR DESIGN

SUBJECT CODE : BVCID3008

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.
- To analyze the contemporary trends/approaches in Interior Design w.r.t. materials, techniques used

CONTENTS:

Unit I: Analysis and critical appraisal of Interior across the world.

Unit II: Study of advance interior materials through site visits and market survey.

Unit III: Study of Green Interiors and its impact on sustainability and human health and society.

Unit IV: Principles and approaches in Landscape Design. Illustrations can be from contemporary as well as historic landscapes for understanding various approaches of design.

Unit V: Implementation of Universal Design concept in interiors.

Outcome:

- Students should understand & explore various trends in interiors in today's context.
- Should able to make design decision for the selection of appropriate materials.

Evaluation

- Continuous assessment of sessional work may consist of evaluation of individual's writing and presentation skills, project work, power point presentations etc.
- Book reviews of any interior works.
- Technical report of visit to site/ Factory or exhibitions etc.
- Group Seminar on any relevant interior trend & style.

SUBJECT TITLE : CODES & STANDARDS FOR INTERIOR DESIGN

SUBJECT CODE : BVCID3009

Objective:

To expose the students to the various problems and issues encountered in the practice of interior design as a profession & to teach them the methods of legal redressal. The design shall be in accordance with established codes, Standards, Specifications, sound engineering practices and shall conform to the statutory regulations applicable in various codes and standards followed.

Contents:

- Codes and standards for fire safety
- Codes and standards for lighting

- Codes and standards for ventilation
- Codes and standards for electrical work
- Codes and standards for barrier free environment
- Codes and standards and standards for green interior

Evaluation:

Continuous assessment of sessional work may consist of project work, power point presentations

REFERENCES:

1. National Building code of India 2005 - Bureau of Indian Standards. 2. V. K. Jain - Fire Safety in Buildings, New age International (Pvt. Ltd.,) Publishers, Chennai, 2007 3. IS 9668: 1990 - Fire Fighting code of Practice - Bureau of Indian Standards.

SUBJECT TITLE : ELECTIVE III

SUBJECT CODE : BVCID3010

LANDSCAPE DESIGN

Objectives:

To develop an understanding about the design of interior landscape with special emphasis on the choice and care of plant materials used in interior spaces. To study about various landscaping elements and there in interior spaces.

Contents:

- Interior landscaping
- Physical requirements of plants
- Interior landscaping elements and principles, hydroponic systems
- Roof and deck landscape, vertical gardens
- Exercise on interior landscape-courtyard design, terrace design, outdoor design

Evaluation:

Assessment of sessional work may consist of Designing(Sheets), Case studies, Market Survey.

Reference books:

- Time saver standards for Landscape Architecture
- Planting design by Theodore D Walker, VNR Publications, New York
- Landscaping Principles and Practices by Jack E Ingels, Delmar Publications.

EXHIBITION DESIGN

Objective-

This course aims at making the students understand that exhibition design has a crucial role in creating temporary space and furniture and act as a brand communication vehicle. It will also help students to understand the influences on design Cost, duration, material, execution process.

1. To introduce students to the need of temporary space.
2. To introduce students to the field of exhibition design and make them understand design considerations, structural possibilities and material used in the process.

Contents-

Through case studies understand relation between consumer's needs and exhibition design. To understand various elements of process like space, function, materials, detailing and erection.

To understand and explore various structural systems, forms and material possibilities in Exhibition design.

Assignments:

- Case study research, documentation & presentation (30%)
- Ideation & exploration of packaging about given brand or product-- sketches & study models with validation (40%)
 - 1) Details of Exhibition design drawings
 - 2) Furniture design & materials
 - 3) Fixing
 - 4) Spaces designing
 - 5) Model making
 - 6) Climatology
 - 7) Services (Fire safety, camera & alarm systems, electric, water supply)
- Final design solution --prototype (30%)

Evaluation –

Continuous assessment of sessional work may consist of details of exhibition drawings, visit reports, power point presentation, model making etc.

REFERENCES:

- Exhibition Design by David Dernie
- Exhibitions: Concept, Planning and Design by Tom Klobe
- Exhibition Design: An Introduction Philip Hughes

MULTIMEDIA & ANIMATION

Objective:

To enable the students to be multimedia literates, which will prepare them to actively participate in various media related activities for strengthening their skills. The Course will have scope for skill development in the field of Electronics and Print Media Production, which in turn make them employable in the media industry.

Contents:

- Introduction to Multi media and Animation
- Principles & Elements of Animation
- Introduction Software's used in Animation
- Photography
- Character Design

Assignments:

- Journal on above topics and 1-2 min on Animation Design

SUBJECT TITLE : INTERIOR DESIGN PROJECT

SUBJECT CODE : BVCID3011

Objective

In this semester the learner is expected to enhance their skills of planning of Hospitality spaces and commercial environment with clear understanding and application of functionality, space usage and concept/theme, use of contemporary materials, construction techniques and advanced services required for the design project.

Contents :

- The design exercise may include large fine-dining restaurant with partly open-air area with due importance to differently abled user (Universal design), for a realistic site. (Carpet Area not less than 150.00 sq.mts)
- Design activity based small to medium sized commercial interior spaces such as branch office of Bank, Branch office of Multi National Corporation etc with due importance to differently abled user.(Universal design).(Carpet Area not less than 150.00 sq.mts)

Evaluation:

Continuous assessment of sessional work may consist of sketches, scaled drawings, study models in various materials, case studies, visit reports, power point presentations etc. Design portfolio should consist of Project Brief, Client profile, Theme Sheet, Measurement Plan/ Furniture Layout Plan/ Flooring Layout/ Reflected Ceiling Layout/ Electrical Layout/ Lighting Layout, Sectional Elevations/ Perspective Views)

REFERANCES

- Basic design and Anthropometry by Shirish Vasant Bapat. • Visual Dictionary of Architecture by D. K. Ching. • Interior design by Ahmed Kasu • Interior design by D.K. Ching
- Time savers standards of interior design • Neuferts standards. • Façade restaurants and café by:Shirish Vasant Bapat. • Hotels and Resorts in india by: published by White flag. • Tropical Resort publisher : Cherry Chan.

