

University of Mumbai




No. AAMS (UG) /156 of 2021

CIRCULAR:-

Attention of the Principals of the Affiliated Colleges and Directors of the recognized Institutions in Faculty of Science and Technology.

They are hereby informed that the recommendations made by the Ad-hoc Board of Studies in **Home Science** at its meeting held on 20th March, 2021 vide item No. 1(xv) and subsequently passed by the Board of Deans at its meeting held on 11th June, 2021 vide item No. 8.16 have been accepted by the Academic Council at its meeting held on 29th June, 2021, vide item No. 8.16 and subsequently approved by the Management Council at its meeting held on 29th July, 2021 vide item No. 16 and that in accordance therewith, in exercise of the powers conferred upon the Management Council under Section 74(4) of the Maharashtra Public Universities Act, 2016 (Mah. Act No. VI of 2017) the Ordinance 6703 & 6704 Regulations 9446 & 9447 and the syllabus of **Diploma in Interior Designing** has been introduced and the same have been brought into force with effect from the academic year **2022-23**, accordingly. (The same is available on the University's website www.mu.ac.in).

MUMBAI - 400 032
25th October, 2021
To,


(Sudhir S. Puranik)
REGISTRAR


The Principals of the Affiliated Colleges and Directors of the recognized Institutions in Faculty of Science and Technology. (Circular No. UG/334 of 2017-18 dated 9th January, 2018.)

A.C/8.16/29/06/2021
M.C/16/29/07/2021

No. AAMS (UG) /156-A of 2021 MUMBAI-400 032 25th October, 2021

Copy forwarded with Compliments for information to:-

- 1) The Chairman, Board of Deans
- 2) The Dean, Faculty of Science and Technology,
- 3) The Chairman, Ad-hoc Board of Studies in Home Science,
- 4) The Director, Board of Examinations and Evaluation,
- 5) The Director, Board of Students Development,
- 6) The Co-ordinator, University Computerization Centre,


(Sudhir S. Puranik)
REGISTRAR

Copy to :-

- 1. The Deputy Registrar, Academic Authorities Meetings and Services (AAMS),**
- 2. The Deputy Registrar, College Affiliations & Development Department (CAD),**
- 3. The Deputy Registrar, (Admissions, Enrolment, Eligibility and Migration Department (AEM),**
- 4. The Deputy Registrar, Research Administration & Promotion Cell (RAPC),**
- 5. The Deputy Registrar, Executive Authorities Section (EA),**
- 6. The Deputy Registrar, PRO, Fort, (Publication Section),**
- 7. The Deputy Registrar, (Special Cell),**
- 8. The Deputy Registrar, Fort/ Vidyanagari Administration Department (FAD) (VAD), Record Section,**
- 9. The Director, Institute of Distance and Open Learning (IDOL Admin), Vidyanagari,**

They are requested to treat this as action taken report on the concerned resolution adopted by the Academic Council referred to in the above circular and that on separate Action Taken Report will be sent in this connection.

- 1. P.A to Hon'ble Vice-Chancellor,**
- 2. P.A Pro-Vice-Chancellor,**
- 3. P.A to Registrar,**
- 4. All Deans of all Faculties,**
- 5. P.A to Finance & Account Officers, (F.& A.O),**
- 6. P.A to Director, Board of Examinations and Evaluation,**
- 7. P.A to Director, Innovation, Incubation and Linkages,**
- 8. P.A to Director, Board of Lifelong Learning and Extension (BLLE),**
- 9. The Director, Dept. of Information and Communication Technology (DICT) (CCF & UCC), Vidyanagari,**
- 10. The Director of Board of Student Development,**
- 11. The Director, Department of Students Welfare (DSD),**
- 12. All Deputy Registrar, Examination House,**
- 13. The Deputy Registrars, Finance & Accounts Section,**
- 14. The Assistant Registrar, Administrative sub-Campus Thane,**
- 15. The Assistant Registrar, School of Engg. & Applied Sciences, Kalyan,**
- 16. The Assistant Registrar, Ratnagiri sub-centre, Ratnagiri,**
- 17. The Assistant Registrar, Constituent Colleges Unit,**
- 18. BUCTU,**
- 19. The Receptionist,**
- 20. The Telephone Operator,**
- 21. The Secretary MUASA**

for information.

**New ordinances 6703 & 6704 relating to the
Diploma in Interior Designing.**

1. Necessity of starting this course:

As interior designers, they get to choose the colours, materials, textures, furniture, flooring, wallpaper, lighting, and other materials for every interior space or building. This shows the importance of interior design.

To achieve these interior designers interact deeply with their customers to understand what they truly want and accordingly customize the designs to suit their needs.

This become the cornerstone of the education and training the student will obtain with the diploma in interior designing the skills and expertise needed will make them competent to be apart of this lucrative industry.

Being a part of a reputed, accredited institution puts students at an advantage so that in addition to a well-rounded education we can give them the best possible, once they step into the working world, giving them a strong foundation on which to build their careers. Furthermore, it will open doors unprecedented for our students. Conferring diplomas attached to an accredited institution thereby providing potential recruiters with an assurance of quality of education and skill.

2. The UGC has recommended to start this course.

Yes. The UGC has made a strong recommendation for Skill based courses, keeping in tune with the Government of India initiative of a National Design Policy. Such a course visualizes a design enabled industry and aim to have a positive impact on the quality of life and in tune to the national economy.

3. This course has not commenced in 2019-2020.

4. This is a proposed course, and it will be self-financed.

5. This is a one-year diploma course. The course is designed to provide professional training for the Interior Designing industry, and encompasses all the advanced skills needed to work in the industry. It would not be possible to compress this course

6. The intake capacity for this course is 30 students.

7. JOB OPPORTUNITIES:-

- ✓ Junior Interior Designer
- ✓ Assistant to the computer visualizer, CAD operator.
- ✓ Sales person in the colour, furniture store.
- ✓ Junior Model making assistant,
- ✓ Accessory designer product designing,
- ✓ Draftsman in Manual and CAD Drawings,
- ✓ Freelancer.

AC- 29/06/2021
Item No. – 8.16 (N)

UNIVERSITY OF MUMBAI



DIPLOMA IN INTERIOR DESIGNING

(to be introduced with effect from the academic year 2022-23)

UNIVERSITY OF MUMBAI



Syllabus for Approval

| Sr. No. | Heading | Particulars |
|---------|---|---|
| 1 | Title of the Course O. 6703 | Diploma in Interior Designing |
| 2 | Eligibility for Admission O. 6704 | Std. XII or Equivalent |
| 3 | Passing Marks R - 9446 | 40% |
| 4 | Ordinances / Regulations (if any) | |
| 5 | No. of Years / Semesters R - 9447 | 1 year / 2 Semesters |
| 6 | Level | P.G. / U.G. / Diploma / Certificate (Strike out which is not applicable) |
| 7 | Pattern | Yearly / Semester (Strike out which is not applicable) |
| 8 | Status | New / Revised (Strike out which is not applicable) |
| 9 | To be implemented from Academic Year | From Academic Year 2022-23 |

A handwritten signature in black ink, appearing to read 'Geeta Ibrahim'.

Name & Signature of BOS Chairperson :
Name & Signature of Dean:

Dr. (Mrs.) Geeta Ibrahim

DIPLOMA IN INTERIOR DESIGNING

Medium of Instruction : English

Interior designing helps to effectively optimize the space in homes and workplaces making the best use of the available space. Interior designers make sure that the interior spaces they are designing are always functional, safe, and beautiful for every type of buildings: houses, supermarkets, companies, malls, coffee shops, and restaurants.

As interior designers, they get to also choose the colours, materials, textures, furniture, flooring, wallpaper, lighting, and other materials for every interior space or building. This shows the importance of interior design.

This become the cornerstone of the education and training the student will obtain with the diploma in interior designing the skills and expertise needed will make them competent to be apart of this lucrative industry.

Eligibility: Std XII pass, with a certificate course in interior designing.

Fees Rs. 83,300 /- + GST applicable

Student intake capacity : 30

SEMESTER – I

| UNIT | SUBJECTS | INTERNAL MARKS | SEMESTER END EXAMINATION | TOTAL MARKS | TOTAL HOURS | CREDITS |
|-------------|--|-----------------------|---------------------------------|--------------------|--------------------|----------------|
| 1. | Components of Design and Materials used – (Theory) | 40 | 60 | 100 | 45 | 3 |
| 2. | Furniture Construction – (Practical) | 40 | 60 | 100 | 45 | 3 |
| 3. | Services – (Practical) | 40 | 60 | 100 | 45 | 3 |
| 4. | Design Basics – (Practical) | 40 | 60 | 100 | 45 | 3 |
| 5. | Building Construction – (Practical) | 40 | 60 | 100 | 45 | 3 |
| 6. | Perspective and Estimation – (Practical) | 40 | 60 | 100 | 45 | 3 |
| 7 | Computer Applications | 40 | 60 | 100 | 45 | 3 |

| SR.NO | TITLE OF THE COURSE | HOURS PER WEEK | MARKS ALLOTTED | CREDITS |
|--------------|--|-----------------------|-----------------------|----------------|
| 1. | Components of Design and Materials used – (Theory) | 3 | 100 | 3 |

❖ **OBJECTIVES:-**

A). MATERIALS IN INTERIORS:-

- To conduct an in depth study of materials use for construction.

B) SERVICES IN INTERIORS:-

- To gain knowledge about electricity and plumbing services.

| COURSE CONTENT | | HOURS |
|-----------------------|--|--------------|
| UNIT 1 | <ul style="list-style-type: none"> • Market survey – All materials used for construction | 15 |
| UNIT 2 | <ul style="list-style-type: none"> • Presentation and journal of the market survey | 15 |
| UNIT 3 | <ul style="list-style-type: none"> • Services: <ol style="list-style-type: none"> Electrical Plumbing A.C Specification details. | 15 |

REFERENCES:-

1. Bindra, S.P. and Arora, S.P. Building Construction: Planning Techniques and Methods of Construction, 19th ed. Dhanpat Rai Pub., New Delhi, 2000.
2. Moxley, R. Mitchell's Elementary Building Construction, Technical Press Ltd.
3. Rangwala, S.C. Building Construction 22nd ed. Charota Pub. House Anand, 2004.
4. Sushil Kumar. T.B. of Building Construction 19th ed. Standard Pub. Delhi, 2003.
5. Chowdary, K.P. Engineering Materials used in India, 7th ed. Oxford and IBH, New Delhi, 1990.
6. Rangwala, S.C. Building Construction: Materials and types of Construction, 3rd ed. John Wiley and Sons, Inc., New York, 1963.
7. Francis D. Ching, Building Construction Illustrated, Wiley publishers, 2008

| SR.NO | TITLE OF THE COURSE | HOURS PER WEEK | MARKS ALLOTTED | CREDITS |
|--------------|--------------------------------------|-----------------------|-----------------------|----------------|
| 2. | Furniture Construction – (Practical) | 3 | 100 | 3 |

❖ **OBJECTIVES:-**

- To study the basics of furniture construction.

| COURSE CONTENT | | HOURS |
|-----------------------|---|--------------|
| UNIT 1 | <ul style="list-style-type: none"> • Cabinet furniture making and drawer fixing details. | 15 |
| UNIT 2 | <ul style="list-style-type: none"> • Basic furniture construction – Type – 1 (Frame Work) | 15 |
| UNIT 3 | <ul style="list-style-type: none"> • Basic furniture construction – Type – 2 (Residential seating systems) | 15 |

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

| SR.NO | TITLE OF THE COURSE | HOURS PER WEEK | MARKS ALLOTTED | CREDITS |
|-------|------------------------|----------------|----------------|---------|
| 3. | Services – (Practical) | 3 | 100 | 3 |

❖ **OBJECTIVES:-**

- To gain knowledge about plumbing and electrical services for residential projects.

| COURSE CONTENT | | HOURS |
|----------------|---|-------|
| UNIT 1 | Residential projects:- • Plumbing | 15 |
| UNIT 2 | Residential projects:- • Electrical | 15 |
| UNIT 3 | Residential projects:- • Presentation of Plumbing and Electrical services for residential projects. | 15 |

REFERENCES:-

1. Norbert Lechner, Heating, cooling, Lighting Design, Library of congress Cataloguing in Publication Data
2. Donald Hoff, Building services and equipments, Library of congress Cataloguing in Publication Data
3. Ernest Tricomi, ABC of Air-conditioning, D. B. Taraporevala & sons
4. Madan Mehta & James Johnson, Architectural Acoustics, Principles and Design
5. Frank and John Walk, Noise and vibration, British Library Cataloguing in Publication Data.

| SR.NO | TITLE OF THE COURSE | HOURS PER WEEK | MARKS ALLOTTED | CREDITS |
|--------------|-----------------------------|-----------------------|-----------------------|----------------|
| 4. | Design Basics – (Practical) | 3 | 100 | 3 |

❖ **OBJECTIVES:-**

- To conceptualize and design a large residential projects.

| COURSE CONTENT | | HOURS |
|-----------------------|--|--------------|
| UNIT 1 | <ul style="list-style-type: none"> • Large residential spaces – Area 150 to 200 SQMT (Hand Drafted and rend). | 15 |
| UNIT 2 | <ul style="list-style-type: none"> • Conceptual design and approval of design as per client requirements. | 15 |
| UNIT 3 | <ul style="list-style-type: none"> • Technical drawings • Presentation DWG-Rendered | 15 |

REFERENCES:-

1. Ching, Francis D.K. Architecture Form, space, and Order, 2nd ed. Van Nostrand Reinhold, New York, 1996.
2. Hanks, A.David. Decorative Designs of Frank Lloyd Wright, Dover Publications, Inc. New York, 1999.
3. Helper, E.Donald, Wallach, I.Paul. Architecture Drafting and Design, 3rd ed. McGraw-Hill Book Company, New York, 1977.
4. John.F. Pile, Color in Interior Design, Mc-Graw Hill professional, 1st edition, 1997
5. Johannes Itten, The Art of color, John Wiley & Sons; Revised edition, 1997
6. Jonathan Pore, Interior Color by Design, Volume 2: A design tool for Home owners, Designers and Architects, Rockport publishers, 2005.
7. Ethel Rompilla, Color for Interior Design, Harry N. Abrams, 2005.
8. Itten, Johannes. Design and Form: The basic course at the Bauhaus, Thames and Hudson Ltd., London 1997.
9. Krier, Rob. Architectural Composition, Academy Editions, London, 1988.
10. Meiss, pierre Von. Elements of Architecture: Form to place, E and FN Spon, London, 1992.
11. Pipes, Alan. Drawing for 3-Dimensional Design. Thames and Hudson Ltd., London, 1990.
12. Smithies, K.W. Principles of Design in Architecture. Chapman and Hall, 1983.
13. Wucius, Wong. Principles of two Dimensional Design. Van Nostrand Reinhold 1972.

| SR.NO | TITLE OF THE COURSE | HOURS PER WEEK | MARKS ALLOTTED | CREDITS |
|-------|-------------------------------------|----------------|----------------|---------|
| 5. | Building Construction – (Practical) | 3 | 100 | 3 |

❖ **OBJECTIVES:-**

- To learn about the construction and materials used in building of interior structures.

| COURSE CONTENT | | HOURS |
|----------------|--|-------|
| UNIT 1 | <ul style="list-style-type: none"> • Load bearing / RCC Frame structure • Types of staircase & T.W staircase const. / details. | 15 |
| UNIT 2 | <ul style="list-style-type: none"> • False ceiling – Framing, fixing and details (T.W. and aluminium) | 15 |
| UNIT 3 | <ul style="list-style-type: none"> • Kitchen platform – construction / details/materials specifications. | 15 |

REFERENCES:-

1. Bindra, S.P. and Arora, S.P. Building Construction: Planning Techniques and methods of Construction, 19th ed. Dhanpat Rai Pub., New Delhi, 2000.
2. Moxley, R. Mitchell's Elementary Building Construction, Technical Press Ltd. Rangwala, S.C. Building Construction 22nd ed. Charota Pub. House Anand, 2004.
3. Sushil Kumar. T.B. of Building Construction 19th ed. Standard Pub. Delhi, 200
4. Chowdary, K.P. Engineering Materials used in India, 7th ed. Oxford and IBH, New Delhi, 1990.
5. Rangwala, S.C. Building Construction: Materials and types of Construction, 3rd ed. John Wiley and Sons, Inc., New York, 1963.
6. Francis D. Ching, Building Construction Illustrated, Wiley publishers, 2008.
7. S.K.Duggal, Building Materials, Illustrated, A.A.Balkema, 1998.

| SR.NO | TITLE OF THE COURSE | HOURS PER WEEK | MARKS ALLOTTED | CREDITS |
|-------|--|----------------|----------------|---------|
| 6. | Perspective and Estimation – (Practical) | 3 | 100 | 3 |

❖ **OBJECTIVES:-**

- To conduct an in-depth study of materials used for floors, and finishes used.
- To learn the application of a two-point perspective in solid objects and furniture.
- .To learn methods of estimation and modes of measuring

| COURSE CONTENT | | HOURS |
|----------------|---|-------|
| UNIT 1 | <ul style="list-style-type: none"> • 2 Point perspective - Geometric forms – Solid Objective & Furniture piece. | 15 |
| UNIT 2 | <ul style="list-style-type: none"> • Introduction – Direct method (measuring pt.) – Empty room and Residential room. | 15 |
| UNIT 3 | <p>Introduction to Estimation and Modes of Measurement:-</p> <ul style="list-style-type: none"> • Cabinet • Chair. | 15 |

REFERENCES:-

1. S. C. Rein Koff, Interior Graphics and Design Standards, Whitney Library, New York
2. Robert W. Gill, The Thames and Hudson Manual of Rendering with pen and ink, Thames & Hudson ltd. London
3. Graphic Shaw, Interior Perspectives to Architectural Designs
4. Shankar Mulik, A Text Book of perspectives and graphics, Allied Pub. Bombay
5. F D K Ching, Perspective Drawing.

| SR.NO | TITLE OF THE COURSE | HOURS PER WEEK | MARKS ALLOTTED | CREDITS |
|-------|-----------------------|----------------|----------------|---------|
| 7. | Computer Applications | 3 | 100 | 3 |

❖ **OBJECTIVES:-**

- To apply advance level of software relevant to interior design.
- To plan and present projects.

| COURSE CONTENT | | HOURS |
|----------------|---|-------|
| UNIT 1 | <ul style="list-style-type: none"> • Advance level course in AutoCAD | 15 |
| UNIT 2 | <ul style="list-style-type: none"> • Residential project | 15 |
| UNIT 3 | <ul style="list-style-type: none"> • Tech DWG and Presentation drawing | 15 |

EVALUATION:

All subjects will be evaluated through

- Continuous assessment of sessional work in the form of assignments, drawings and tutorials.

DIPLOMA IN INTERIOR DESIGNING

SEMESTER II

| UNIT | SUBJECTS | INTERNAL MARKS | SEMESTER END EXAMINATION | TOTAL MARKS | TOTAL HOURS | CREDITS |
|-------------|---|-----------------------|---------------------------------|--------------------|--------------------|----------------|
| 1. | History of Furniture and Services used for Interiors – (Theory) | 40 | 60 | 100 | 45 | 3 |
| 2. | Furniture Construction – (Practical) | 40 | 60 | 100 | 45 | 3 |
| 3. | Services – (Practical) | 40 | 60 | 100 | 45 | 3 |
| 4. | Design Basics – (Practical) | 40 | 60 | 100 | 45 | 3 |
| 5. | Building Construction – (Practical) | 40 | 60 | 100 | 45 | 3 |
| 6. | Perspective and Estimation – (Practical) | 40 | 60 | 100 | 45 | 3 |
| 7 | Computer Applications | 40 | 60 | 100 | 45 | 3 |

| SR.NO | TITLE OF THE COURSE | HOURS PER WEEK | MARKS ALLOTTED | CREDITS |
|--------------|---|-----------------------|-----------------------|----------------|
| 1. | History of Furniture and Services used for Interiors – (Theory) | 3 | 100 | 3 |

❖ **OBJECTIVES:-**

HISTORY OF FURNITURE:-

- To recognize furniture styles specific to styles used in different historical periods.

SERVICES IN INTERIORS:-

- To study electrical H.V.A.C services for interiors.

| COURSE CONTENT | | HOURS |
|-----------------------|--|--------------|
| UNIT 1 | <ul style="list-style-type: none"> • Study of the history of furniture. | 15 |
| UNIT 2 | <ul style="list-style-type: none"> • H.V.A.C Services | 15 |
| UNIT 3 | <ul style="list-style-type: none"> • Electrical services | 15 |

REFERENCES:-

1. Roshan Namavati, Professional Practice (Estimation & Valuation), Lakhani Book depot
2. Roshan Namavati, Architectural Detailing in Residential Interiors, Lakhani Book depot
3. C M Pitrowski, Professional Practice in Interior Design, Van Nostrand Reinhold
4. Harry Siegel, CPA, Alan Sigel, A Guide to Business Principle and Practices for Interior Designers, Whitney library of design.
5. William R. Hall, Contract Interior Finishes, Whitney library.
6. William Rupp, Construction Materials of Interior Design, Whitney Library.
7. Roshan Namavati, Professional Practice (Estimation & Valuation), Lakhani Book depot
8. Roshan Namavati, Architectural Detailing in Residential Interiors, Lakhani Book depot
9. C M Pitrowski, Professional Practice in Interior Design, Van Nostrand Reinhold
10. Harry Siegel, CPA, Alan Sigel, A Guide to Business Principle and Practices for Interior Designers, Whitney library of design.
11. William R. Hall, Contract Interior Finishes, Whitney library.
12. William Rupp, Construction Materials of Interior Design, Whitney Library.
13. Electrical wiring and contracting (vol. 1 to vol.4), London. The New era Publishing Company.
14. DrFrithAbnwos and others, Electrical Engineering hand book.
15. William . J. Guinness, Mechanical and Electrical Systems for Buildings, New York : Mc Graw Hill.
16. Faber, Oscar and Kell, J.R. Heating and Air conditioning of Building. Architectural Press, surrey, 1945.
17. Prasad Manohar, Refrigeration and air-conditioning. 5th ed, New Age Intl. pub, New Delhi, 1996.

| SR.NO | TITLE OF THE COURSE | HOURS PER WEEK | MARKS ALLOTTED | CREDITS |
|--------------|--------------------------------------|-----------------------|-----------------------|----------------|
| 2. | Furniture Construction – (Practical) | 3 | 100 | 3 |

❖ OBJECTIVES:-

- To study how to construct furniture.
- To creatively conceptualize design and make a furniture accessory..

| COURSE CONTENT | | HOURS |
|-----------------------|---|--------------|
| UNIT 1 | <ul style="list-style-type: none"> • Basic furniture construction – Type -2. (Residential seating systems – Large furniture) | 15 |
| UNIT 2 | <ul style="list-style-type: none"> • Basic furniture construction – Type -1 (Commercial Project) | 15 |
| UNIT 3 | <ul style="list-style-type: none"> • Accessory making and journal incl. construction steps and estimation for the same. | 15 |

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

| SR.NO | TITLE OF THE COURSE | HOURS PER WEEK | MARKS ALLOTTED | CREDITS |
|-------|------------------------|----------------|----------------|---------|
| 3. | Services – (Practical) | 3 | 100 | 3 |

❖ **OBJECTIVES:-**

- To gain knowledge about plumbing and electrical services for residential projects.

| COURSE CONTENT | | HOURS |
|----------------|--|-------|
| UNIT 1 | <ul style="list-style-type: none"> • Commercial projects:- Plumbing | 15 |
| UNIT 2 | <ul style="list-style-type: none"> • Commercial projects:- HVAC | 15 |
| UNIT 3 | <ul style="list-style-type: none"> • Presentation of Plumbing and H.V.A.C. Services in a commercial projects. | 15 |

REFERENCES:-

1. Norbert Lechner, Heating, cooling, Lighting Design, Library of congress Cataloguing in Publication Data
2. Donald Hoff, Building services and equipments, Library of congress Cataloguing inPublication Data
3. Ernest Tricomi, ABC of Air-conditioning, D. B. Taraporevala& sons
4. Madan Mehta & James Johnson, Architectural Acoustics, Principles and Design
5. Frank and John Walk, Noise and vibration, British Library Cataloguing in Publication Data

| SR.NO | TITLE OF THE COURSE | HOURS PER WEEK | MARKS ALLOTTED | CREDITS |
|--------------|-----------------------------|-----------------------|-----------------------|----------------|
| 4. | Design Basics – (Practical) | 3 | 100 | 3 |

❖ OBJECTIVES:-

- To conceptualize design and plan for small and large commercial projects
- To understand physical, social and psychological aspects of design.

| COURSE CONTENT | | HOURS |
|-----------------------|--|--------------|
| UNIT 1 | <ul style="list-style-type: none"> • Commercial projects - Large scale (Showroom / office). • Conceptual design and approval of design as per client requirements. | 15 |
| UNIT 2 | <ul style="list-style-type: none"> • Technical drawings • Presentation Drawing - Rendered. | 15 |
| UNIT 3 | <ul style="list-style-type: none"> • Small commercial project • Café/ Mobile store • Concept sheet and presentation Drawing | 15 |

REFERENCES:-

1. Helper, E.Donald, Wallach, I.Paul. Architecture Drafting and Design, 3rd ed. McGraw-Hill Book Company, New York, 1977.
2. John.F. Pile, Color in Interior Design, Mc-Graw Hill professional, 1st edition, 1997
3. Johannes Itten, The Art of color, John Wiley & Sons; Revised edition, 1997
4. Jonathan Pore, Interior Color by Design, Volume 2: A design tool for Home owners, Designers and Architects, Rockport publishers, 2005.
5. Ethel Rompilla, Color for Interior Design, Harry N. Abrams, 2005.
6. Itten, Johannes. Design and Form: The basic course at the Bauhaus, Thames and Hudson Ltd., London 1997.

| SR.NO | TITLE OF THE COURSE | HOURS PER WEEK | MARKS ALLOTTED | CREDITS |
|--------------|---------------------------------------|-----------------------|-----------------------|----------------|
| 5. | Building Construction – (Practical | 3 | 100 | 3 |

OBJECTIVES:-

- To be able to draft a commercial project using basic rule of space planning and organisation.

| COURSE CONTENT | | HOURS |
|-----------------------|---|--------------|
| UNIT 1 | <ul style="list-style-type: none"> • Partition and Panelling | 15 |
| UNIT 2 | <ul style="list-style-type: none"> • Design construction – Framing and Details | 15 |
| UNIT 3 | <ul style="list-style-type: none"> • Single floor – load bearing structure. | 15 |

REFERENCES:-

1. Bindra, S.P. and Arora, S.P. Building Construction: Planning Techniques and methods of Construction, 19th ed. Dhanpat Rai Pub., New Delhi, 2000.
2. Moxley, R. Mitchell's Elementary Building Construction, Technical Press Ltd. Rangwala, S.C. Building Construction 22nd ed. Charota Pub. House Anand, 2004.
3. Sushil Kumar. T.B. of Building Construction 19th ed. Standard Pub. Delhi, 200
4. Chowdary, K.P. Engineering Materials used in India, 7th ed. Oxford and IBH, New Delhi, 1990.
5. Rangwala, S.C. Building Construction: Materials and types of Construction, 3rd ed. John Wiley and Sons, Inc., New York, 1963.
6. Francis D. Ching, Building Construction Illustrated, Wiley publishers, 2008.
7. S.K.Duggal, Building Materials, Illustrated, A.A.Balkema, 1998.

| SR.NO | TITLE OF THE COURSE | HOURS PER WEEK | MARKS ALLOTTED | CREDITS |
|-------|------------------------------------|----------------|----------------|---------|
| 6. | Perspective and Viva – (Practical) | 3 | 100 | 3 |

OBJECTIVES:-

- To learn about drafting of commercial projects using the direct/ measuring PT method.
- To learn concepts of estimation and modes of measuring using table, door and partition

| COURSE CONTENT | | HOURS |
|----------------|---|-------|
| UNIT 1 | <ul style="list-style-type: none"> • Direct method for drafting of commercial projects. • Measuring point of method | 15 |
| UNIT 2 | <ul style="list-style-type: none"> • Drafting of commercial project views (design projects). | 15 |
| UNIT 3 | <ul style="list-style-type: none"> • Introduction to estimation and modes of measurement:- • Table • Door • Partition. | 15 |

REFERENCES:-

1. S. C. Rein Koff, Interior Graphics and Design Standards, Whitney Library, New York
2. Robert W. Gill, The Thames and Hudson Manual of Rendering with pen and ink, Thames & Hudson ltd. London
3. Graphic Shaw, Interior Perspectives to Architectural Designs
4. Shankar Mulik, A Text Book of perspectives and graphics, Allied Pub. Bombay
5. F D K Ching, Perspective Drawing
6. Harry Siegel, CPA, Alan Sigel, A Guide to Business Principle and Practices for Interior Designers, Whitney library of design.
7. William R. Hall, Contract Interior Finishes, Whitney library.
8. William Rupp, Construction Materials of Interior Design, Whitney Library.
9. Roshan Namavati, Professional Practice (Estimation & Valuation), Lakhani Book depot
10. Roshan Namavati, Architectural Detailing in Residential Interiors, Lakhani Book depot

| SR.NO | TITLE OF THE COURSE | HOURS PER WEEK | MARKS ALLOTTED | CREDITS |
|-------|-----------------------|----------------|----------------|---------|
| 7. | Computer Applications | 3 | 100 | 3 |

❖ **OBJECTIVES:-**

- To apply advance level of software relevant to interior design. •
- To plan and present projects.

| COURSE CONTENT | | HOURS |
|----------------|---|-------|
| UNIT 1 | <ul style="list-style-type: none"> • Sketch up basics . | 15 |
| UNIT 2 | <ul style="list-style-type: none"> • V-Ray | 15 |
| UNIT 3 | <ul style="list-style-type: none"> • Designing of interiors spaces using Sketch up and V-Ray | 15 |

EVALUATION:

All subjects will be evaluated through

- Continuous assessment of sessional work in the form of assignments, drawings and tutorials.

- ✓ Students to make presentation on selected topics which will be marked.
- ✓ Teaching inputs include field visits, seminars, market surveys, study tour, assignments and presentations in the above mentioned subjects.
- ✓ Students showcase their work at an annual exhibition which will be judged by eminent personalities from the field.
- ✓ Participation in design competitions and exhibitions.

❖ **JOB OPPORTUNITIES:-**

- Junior Interior Designer
- Assistant to the computer visualizer, CAD operator.
- Sales person in the colour, furniture store.
- Junior Model making assistant,
- Accessory designer product designing,
- Draftsman in Manual and CAD Drawings,
- Freelancer.

❖ Scheme of Examination:-

The performance of the learners shall be evaluated into 2 parts.

The learner's performance shall be assessed by internal assessment with 40% marks in the first part, by conducting the semester end examination with 60% marks in the second part.

The allocation of marks for the internal assessment and the semester end examinations are shown as below:

Theory:

Internal assessment 40%

| Sr. No. | Evaluation Type | Marks |
|----------------|---|--------------|
| 1 | Curriculum based assignments A)Presentation with the use of ICT (10 marks) B)Project based assignments (20 marks) | 30 |
| 2. | Active participation in routine class instructional deliveries | 5 |
| 3. | Overall conduct as a responsible learner, communication and leadership qualities in organizing related academic activities. | 5 |

Semester end theory examination: 60%

(Theory Exam will be of 2hr duration.)

Theory Question Paper Pattern:

There shall be 5 questions each of 12 marks. On each unit there will be 1 question. Question1 will be based on the entire syllabus.

All questions shall be compulsory with internal choice within the questions.

Questions will be subdivided into sub-questions a), b), c).....and the allocation of marks will depend on the weightage of the topic.

Practicals:

Internal assessment 40%

| Sr. No. | Evaluation Type | Marks |
|----------------|--|--------------|
| 1 | Project based assignments based on the application of syllabus. (10 marks each) | 30 |
| 2. | Journal/Portfolio | 10 |

Semester end examination: 60%

(Practical Exam will be of 3hr. duration)

| Sr. No | Evaluation Type | Marks |
|---------------|--|--------------|
| 1 | Design Studio work: Syllabus based (1 question) | 25 |
| 2 | Design Studio work: Application based on syllabus (1 question) | 30 |
| 3 | Viva | 5 |