

## University of Mumbai



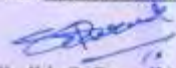
No. AAMS (UG)/150 of 2021

### 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 20<sup>th</sup> March, 2021 **vide** item No. 1(ix) and subsequently passed by the Board of Deans at its meeting held on 11<sup>th</sup> June, 2021 **vide** item No. 8.10 have been accepted by the Academic Council at its meeting held on 29<sup>th</sup> June, 2021, **vide** item No. 8.10 and subsequently approved by the Management Council at its meeting held on 29<sup>th</sup> 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 6691 & 6692 Regulations 9434 & 9435 and the syllabus of **Advance 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](http://www.mu.ac.in)).

MUMBAI - 400 032  
25<sup>th</sup> 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 9<sup>th</sup> January, 2018.)

A.C/8.10/29/06/2021  
M.C/16/29/07/2021

\*\*\*\*\*


No. AAMS (UG) / 150-A of 2021

MUMBAI-400 032

25<sup>th</sup> 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 6691 & 6692 relating to the  
Advance Diploma in Interior Designing .**

**1. Necessity of starting of this course:**

Off-late the growing need for comfortable and luxurious homes and work spaces has led to an increasing demand for Interior Designers. Therefore, people's desires and wants to add aesthetics has increased tremendously.

A professional interior designer is one of the best options for clients to elucidate ideas, plan and execute along with money saving, time and energy saving options.

An Interior designer is ideally equipped with an education, and practical experience to plan, coordinate, design and execute projects.

The professional scope of an interior designer is huge in India and backed with a flair for innovative thinking and designing one can reach a pinnacle in this field. The career scope of interior designing in India looks promising, and the course offered here takes full advantage of this fact. The training allows the student to handle out of box thinking, and not only look forward to a promising personal career but also contribute to the welfare of the society. The course makes every effort to provide maximum exposure market by working on live projects, industry visits, exposing students to talks of market experts, to workshops which gives the students confidence about what is expected of them as interior designers in the practical construction field.

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:-**

- ✓ Jr. Interior Designer
- ✓ Interior Decorator
- ✓ Design Critics./ Jr. Columnist in any Publications or media magazine
- ✓ Assistant to the computer visualiser, CAD operator
- ✓ Sales person in the colour , furniture store, and allied
- ✓ Site Supervisor
- ✓ Accessory designer product designing
- ✓ Interior design stylist /
- ✓ Analyst Freelancer
- ✓ Teaching

AC- 29/06/2021  
Item No. 8.10(N)

# UNIVERSITY OF MUMBAI



## **ADVANCED 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 <b>O.6691</b>	Advanced Diploma in Interior Designing
2	Eligibility for Admission <b>O.6692</b>	Std. XII or Equivalent
3	Passing Marks <b>R - 9434</b>	40%
4	Ordinances / Regulations ( if any)	
5	No. of Years / Semesters <b>R - 9435</b>	1 year / 2 Semesters
6	Level	<del>P.G. / U.G./</del> Diploma / Certificate ( Strike out which is not applicable)
7	Pattern	<del>Yearly /</del> Semester ( Strike out which is not applicable)
8	Status	New / <del>Revised</del> ( Strike out which is not applicable)
9	To be implemented from Academic Year	From Academic Year 2022-23

Name & Signature of BOS Chairperson :

**Dr. (Mrs.) Geeta Ibrahim**

Name & Signature of Dean:

\_\_\_\_\_

## **ADVANCED DIPLOMA IN INTERIOR DESIGNING**

**Medium of Instruction : English**

### **RATIONALE:-**

Today there is a growing need for comfortable and luxurious homes and work spaces, which has led to an increasing demand for Interior Designers. Therefore, people's desires and wants to add aesthetics has increased tremendously.

A good experienced interior designer helps to combine the various decorating styles like contemporary, modern, classic, indo-western, western and many more in a perfect way to create a fusion that is one-of-a-kind, beautiful and perfectly matches the needs and expectations of the client

An Interior designer is ideally equipped with an education, and practical experience to plan, coordinate, design and execute projects.

The professional scope of an interior designer is huge in India and backed with a flair for innovative thinking and designing one can reach a pinnacle in this field. The career scope of interior designing in India looks promising, and the course offered here takes full advantage of this fact. The training allows the student to handle out of box thinking, and not only look forward to a promising personal career but also contribute to the welfare of the society. The course makes every effort to provide maximum exposure market by working on live projects, industry visits, exposing students to talks of market experts, to workshops which gives the students confidence about what is expected of them as interior designers in the practical construction field.

**Eligibility : Std XII pass, and a basic diploma in interior designing.**

**Fees Rs. 98,300 /- + GST applicable**

**Student intake capacity : 30**

## SEMESTER I

<b>UNIT</b>	<b>SUBJECTS</b>	<b>INTERNAL MARKS</b>	<b>SEMESTER END EXAMINATION</b>	<b>TOTAL MARKS</b>	<b>TOTAL HOURS</b>	<b>CREDITS</b>
<b>1.</b>	Systems and Materials used in Interior Designing – (Theory)	<b>40</b>	<b>60</b>	<b>100</b>	<b>45</b>	<b>3</b>
<b>2.</b>	Furniture Construction – (Practical)	<b>40</b>	<b>60</b>	<b>100</b>	<b>45</b>	<b>3</b>
<b>3.</b>	Services – (Practical)	<b>40</b>	<b>60</b>	<b>100</b>	<b>45</b>	<b>3</b>
<b>4.</b>	Design – (Practical)	<b>40</b>	<b>60</b>	<b>100</b>	<b>45</b>	<b>3</b>
<b>5.</b>	Building Construction – (Practical)	<b>40</b>	<b>60</b>	<b>100</b>	<b>45</b>	<b>3</b>
<b>6.</b>	Perspective and Estimation – (Practical)	<b>40</b>	<b>60</b>	<b>100</b>	<b>45</b>	<b>3</b>
<b>7</b>	Computer Applications	<b>40</b>	<b>60</b>	<b>100</b>	<b>45</b>	<b>3</b>



<b>SR.NO</b>	<b>TITLE OF THE COURSE</b>	<b>HOURS PER WEEK</b>	<b>MARKS ALLOTTED</b>	<b>CREDITS</b>
<b>1.</b>	Systems and Materials used in Interior Designing – (Theory)	3	100	3

❖ **OBJECTIVES:**

- To understand details about business transactions that are used in the interior designing industry.
- To learn about landscaping and insulating materials used.

<b>COURSE CONTENT</b>		<b>HOURS</b>
<b>UNIT 1</b>	<ul style="list-style-type: none"> <li>• Tenders</li> <li>• Contracts</li> <li>• Payments</li> </ul>	<b>15</b>
<b>UNIT 2</b>	<ul style="list-style-type: none"> <li>• Good business ethics in interiors</li> </ul>	<b>15</b>
<b>UNIT 3</b>	<ul style="list-style-type: none"> <li>• Insulating materials</li> <li>• Types of light weight constructions</li> <li>• Interior and Exterior Landscaping in interiors</li> </ul>	<b>15</b>

## **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. Gupta C.B, and Srinivasan N.P, Entrepreneurship development in India, Sultan Chand & Sons, New Delhi, 2004.
8. Chunawalla S.A, Sales Management, Himalayan Publishing House, New Delhi, 1991.
9. Vasant Desai, Project Management and entrepreneurship, Himalaya Publishing House, New Delhi, (2000).
10. David H.Moll, Entrepreneurship, Prentice Hall of India, New Delhi, 1999. Frank Jerkins, Advertising, Prentice Hall of India, New India, 2000

<b>SR.NO</b>	<b>TITLE OF THE COURSE</b>	<b>HOURS PER WEEK</b>	<b>MARKS ALLOTTED</b>	<b>CREDITS</b>
<b>2.</b>	Furniture Construction – (Practical)	3	100	3

❖ **OBJECTIVES:-**

- To study at an advanced level the details about the office furniture.

<b>COURSE CONTENT</b>		<b>HOURS</b>
<b>UNIT 1</b>	<ul style="list-style-type: none"> <li>• Study of various commercial interior furnitures.</li> <li>• Organizing the working details of the drawing</li> </ul>	<b>15</b>
<b>UNIT 2</b>	<ul style="list-style-type: none"> <li>• Type of any one double level counters</li> <li>• Basic executional details drawing of typical office furnitures.</li> </ul>	<b>15</b>
<b>UNIT 3</b>	<ul style="list-style-type: none"> <li>• Design project linked executional detailing, management and quantitative organization</li> </ul>	<b>15</b>

## **REFERENCES:-**

1. Mackay, Construction Technology Vol 1 to 4 – Chudley,
2. Ching Building construction.
3. F D K Ching, Building Construction Illustrated, Van Nortrand
4. William P. Spence L. Duane Griffith, Furniture & Cabinet Construction, Prentice Hall Inc. New Jersey
5. Mario Dal Fabro, How To Build Modern Furniture, McGraw Hill Book Company, New York.
6. William P. Spence L. Duane Griffith, Cabinet making, design & construction, Prentice Hall Inc. New Jersey
7. 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 study various aspects of ventilation and HVAC implementation.

COURSE CONTENT		HOURS
UNIT 1	<ul style="list-style-type: none"> <li>• Study of ventilation mechanical and natural</li> <li>• adaption in ceiling and other arrangements</li> </ul>	15
UNIT 2	<ul style="list-style-type: none"> <li>• Basic of H.V.A.C with respect to interior design</li> <li>• Implementing the H.V.A.C setup as per the design</li> </ul>	15
UNIT 3	<ul style="list-style-type: none"> <li>• Ceiling detailing as per the services</li> </ul>	15

**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.

<b>SR.NO</b>	<b>TITLE OF THE COURSE</b>	<b>HOURS PER WEEK</b>	<b>MARKS ALLOTTED</b>	<b>CREDITS</b>
<b>4.</b>	Design – (Practical)	3	100	3

**❖ OBJECTIVES:-**

- To plan and design a complex commercial project / small public space.

<b>COURSE CONTENT</b>		<b>HOURS</b>
<b>UNIT 1</b>	Complex commercial or small public space designing project:- <ul style="list-style-type: none"> <li>• Basic strategic planning</li> <li>• Preparing the adjacency matrix for the planning stages</li> </ul>	<b>15</b>
<b>UNIT 2</b>	<ul style="list-style-type: none"> <li>• Working the standards related to services, finishes, lighting and other allied suitable necessities</li> </ul>	<b>15</b>
<b>UNIT 3</b>	<ul style="list-style-type: none"> <li>• Presenting the designed concept in a professional etiquettes</li> </ul>	<b>15</b>

## **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 learn about various aspects of staircases, facades and floors

COURSE CONTENT		HOURS
<b>UNIT 1</b>	<ul style="list-style-type: none"> <li>• Study of detailed constructional techniques of staircases used in interiors.</li> <li>• Study of designing solutions for constructing staircases with the specific requirements.</li> </ul>	<b>15</b>
<b>UNIT 2</b>	<ul style="list-style-type: none"> <li>• Types of facades and enclosures.</li> </ul>	<b>15</b>
<b>UNIT 3</b>	<ul style="list-style-type: none"> <li>• Study of construction and limitations of floor and mezzanine.</li> </ul>	<b>15</b>

**REFERENCES:-**

1. Joseph De Chaira Jullius Panero Martin Zelnik, Time Saver Standard for Interior Design & Space Planning, McGraw Hill New York
2. John Pile, Interior Design, Harry N. Adry Publishers
3. Ahmed Kasu, Interior Design, TWAIR Pub. Bombay
4. JulliusPanero Martin Zelnik, Human Dimensions and Interior Spaces, Whitney Library New York
5. Phillis Sleen Allen, Beginning of Interior Environment, New York
6. ShirishBapat, Basic Design of Anthropometry, Bela books Publishers
7. ShirishBapat Living Area (Interior Space) Bela books Publishers
8. Francis D K Ching, Interior Design Illustrated, Van Norstrund, New Delhi
9. V. S. Parmar, Design Fundamental in 1st architecture, Somaiya Pub. Pvt. Ltd.
10. Francis D. Ching, Building Construction Illustrated, Wiley publishers.



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

❖ **OBJECTIVES:-**

- To study different styles of perspective drawings and how to professionally present them.

COURSE CONTENT		HOURS
UNIT 1	<ul style="list-style-type: none"> <li>• Techniques of presenting the perspective views with different styles and methods.</li> <li>• Different styles of perspective drawings and sketching</li> </ul>	15
UNIT 2	<ul style="list-style-type: none"> <li>• Drawing of Perspective views with professional presentation styles of the bigger range of view space</li> </ul>	15
UNIT 3	<ul style="list-style-type: none"> <li>• Types of estimation and its working.</li> <li>• Types of contracts in interiors.</li> <li>• Tenders</li> <li>• Rate analysis</li> </ul>	15

**REFERENCES:-**

1. Interior Perspectives to Architectural Design Graphics. 1987 Graphic Shaw.
2. A text book of Perspectives and Graphics Whitney,
3. Techniques of Interior Design Rendering and Presentation- Mc Graw Hill, New York,
4. Rendering in pen & Ink. .
5. Visualization Techniques – New Jersey. Leinbach Richard B,

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

❖ **OBJECTIVES:-**

- To work with software related to the interior designing industry and making professional presentations.

COURSE CONTENT		HOURS
UNIT 1	<ul style="list-style-type: none"> <li>• Professional 2D drawing techniques</li> <li>• Professional Detailing in 2D drawings</li> </ul>	15
UNIT 2	<ul style="list-style-type: none"> <li>• Software related to Professional 3D Presentations</li> </ul>	15
UNIT 3	<ul style="list-style-type: none"> <li>• Professional rendering presentational software</li> </ul>	15

**EVALUATION:**

**All subjects will be evaluated through**

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

## SEMESTER II

UNIT	SUBJECTS	INTERNAL MARKS	SEMESTER END EXAMINATION	TOTAL MARKS	TOTAL HOURS	CREDITS
1.	Systems and Materials used in Interior Designing – (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 – (Practical) (Thesis and Documentation)	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.	Systems and Materials used in Interior Designing – (Theory)	3	100	3

❖ **OBJECTIVES:-**

- To work with software related to the interior designing industry and making professional presentations.
- To learn details of facilities needed for security, communication systems, fire-fighting and sustainable energy systems.
- To gain more knowledge about adhesive used and automation used in interiors.
- To understand the applications of Vaastu / Feng shui, etc.

COURSE CONTENT		HOURS
UNIT 1	<ul style="list-style-type: none"> <li>• Digital Video Recorders, LAN/WAN/Networking products, Motion detection, Smoke detection, with auto dialers for automatic alarm, etc.</li> <li>• Complete voice data and video cabling Cat5/Cat6/Cat7 and fiber optic cables.</li> <li>• Audio Video conferencing systems CCD cameras for security.</li> </ul>	15
UNIT 2	<ul style="list-style-type: none"> <li>• Telephone &amp; telecommunication wiring, etc.</li> <li>• Fire-fighting systems, etc.</li> <li>• Solar energy sustainable energy solutions, its services and care, use, cost.</li> </ul>	15
UNIT 3	<ul style="list-style-type: none"> <li>• Adhesives: For fixing of wall tiles, sealants, filling up of cracks, Glass and steel bonding, etc.</li> <li>• Automation used in interiors</li> <li>• Lifts, Escalators and Travellators.</li> <li>• Special allied subject additional for theory</li> <li>• Vaastu Shastra, Set Designing, Feng Shui.</li> </ul>	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. Gupta C.B, and Srinivasan N.P, Entrepreneurship development in India, Sultan Chand & Sons, New Delhi, 2004.
8. Chunawalla S.A, Sales Management, Himalayan Publishing House, New Delhi, 1991.
9. Vasant Desai, Project Management and entrepreneurship, Himalaya Publishing House, New Delhi, (2000).
10. David H.Moll, Entrepreneurship, Prentice Hall of India, New Delhi, 1999.Frank Jerkins, Advertising, Prentice Hall of India, New India, 2000

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

❖ **OBJECTIVES:-**

- To design and make a life-size furniture piece using material, hardware and finishes within the constraint of space and budget.

COURSE CONTENT		HOURS
UNIT 1	<ul style="list-style-type: none"> <li>• Advanced executional detail drawing of typical office furnitures.</li> <li>• Advanced executional detail drawing of typical commercial/ public spaces furniture.</li> </ul>	15
UNIT 2	<ul style="list-style-type: none"> <li>• Organizing the working details of the drawing.</li> <li>• Design project linked executional detailing, management and quantitative organization.</li> </ul>	15
UNIT 3	<ul style="list-style-type: none"> <li>• Designing and executing of the self designed project on the selected lifestyle furniture piece.</li> <li>• Detailed documentation and cost analysis with material selection and research</li> </ul>	15

**REFERENCES:-**

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

<b>SR.NO</b>	<b>TITLE OF THE COURSE</b>	<b>HOURS PER WEEK</b>	<b>MARKS ALLOTTED</b>	<b>CREDITS</b>
<b>3.</b>	Services - Practical	3	100	3

❖ **OBJECTIVES:-**

- To gain knowledge of security systems, fire-fighting systems, HVAC and sustainable energy solutions.

<b>COURSE CONTENT</b>		<b>HOURS</b>
<b>UNIT 1</b>	<ul style="list-style-type: none"> <li>• Study of security systems</li> <li>• Study of fire-fighting systems</li> <li>• Implementing the HVAC, security, firefighting and other allied setups as per the designed adaption in ceilings and other arrangements.</li> </ul>	<b>15</b>
<b>UNIT 2</b>	<ul style="list-style-type: none"> <li>• Systems for different sustainable energy solutions</li> <li>• Different automation systems used in interiors and its implementations in drawings for execution.</li> </ul>	<b>15</b>
<b>UNIT 3</b>	<ul style="list-style-type: none"> <li>• LAN, VAN, and other networking of voice and data.</li> <li>• Advanced ceiling details and per services</li> </ul>	<b>15</b>

**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.



SR.NO	TITLE OF THE COURSE	HOURS PER WEEK	MARKS ALLOTTED	CREDITS
4.	Design – (Practical) (Thesis and Documentation)	3	100	3

❖ **OBJECTIVES:-**

- To plan and design a complex commercial project / small public space.

COURSE CONTENT		HOURS
<b>UNIT 1</b>	<ul style="list-style-type: none"> <li>• Complex commercial or small public space designing projects.</li> <li>• Basic strategic planning.</li> </ul>	<b>15</b>
<b>UNIT 2</b>	<ul style="list-style-type: none"> <li>• Preparing the adjacency matrix for the planning stages</li> <li>• Working the standards related to services, finishes. Lighting and other allied necessities.</li> </ul>	<b>15</b>
<b>UNIT 3</b>	<ul style="list-style-type: none"> <li>• Presenting the design context with professional etiquettes.</li> </ul>	<b>15</b>

**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.

<b>SR.NO</b>	<b>TITLE OF THE COURSE</b>	<b>HOURS PER WEEK</b>	<b>MARKS ALLOTTED</b>	<b>CREDITS</b>
<b>5.</b>	Building Construction – (Practical)	3	100	3

❖ **OBJECTIVES:-**

- To study the structural aspects of a building with respect to staircases and mezzanine floors.
- To study construction details of toilet, toilets blocks and toilets for differently-abled person.

<b>COURSE CONTENT</b>		<b>HOURS</b>
<b>UNIT 1</b>	<ul style="list-style-type: none"> <li>• Study of detailed construction techniques of specialty doors used in interiors</li> </ul>	<b>15</b>
<b>UNIT 2</b>	<ul style="list-style-type: none"> <li>• Study of designing solutions for constructing a staircase with specific requirements.</li> </ul>	<b>15</b>
<b>UNIT 3</b>	<ul style="list-style-type: none"> <li>• Study of constructional, techniques for different types of toilet and toilets blocks for commercial spaces</li> <li>• Study of toilets used by differently abled persons.</li> </ul>	<b>15</b>

## **REFERENCES:-**

1. Joseph De Chaira Jullius Panero Martin Zelnik, Time Saver Standard for Interior Design & Space Planning, Mcgraw Hill New York
2. John Pile, Interior Design, Harry N. Adry Publishers
3. Ahmed Kasu, Interior Design, TWAIN Pub. Bombay
4. JulliusPanero Martin Zelnik, Human Dimensions and Interior Spaces, Whitney Library New York
5. Phillis Sleen Allen, Beginning of Interior Environment, New York
6. ShirishBapat, Basic Design of Anthropometry, Bela books Publishers
7. ShirishBapat Living Area (Interior Space) Bela books Publishers
8. Francis D K Ching, Interior Design Illustrated, Van Norstrund, New Delhi
9. V. S. Parmar, Design Fundamental in 1st architecture, Somaiya Pub. Pvt. Ltd.
10. Francis D. Ching, Building Construction Illustrated, Wiley publishers.

<b>SR.NO</b>	<b>TITLE OF THE COURSE</b>	<b>HOURS PER WEEK</b>	<b>MARKS ALLOTTED</b>	<b>CREDITS</b>
<b>6.</b>	Perspective and Estimation – (Practical)	3	100	3

**OBJECTIVES:-**

- To present the visualization of designs in large public spaces.
- To learn about estimations of a small room and a project.

<b>COURSE CONTENT</b>		<b>HOURS</b>
<b>UNIT 1</b>	<ul style="list-style-type: none"> <li>• Techniques of presenting the perspective view of larger public spaces</li> </ul>	<b>15</b>
<b>UNIT 2</b>	<ul style="list-style-type: none"> <li>• Sketching and drawing of monuments</li> <li>• Drawing of perspective views with professional presentation styles</li> </ul>	<b>15</b>
<b>UNIT 3</b>	<ul style="list-style-type: none"> <li>• Estimation working of a small room</li> <li>• Estimation working for the entire interior project</li> </ul>	<b>15</b>

**REFERENCES:-**

1. Interior Perspectives to Architectural Design Graphics. 1987 Graphic Shaw.
2. A text book of Perspectives and Graphics Whitney,
3. Techniques of Interior Design Rendering and Presentation- Mc Graw Hill, New York,
4. Rendering in pen & Ink. .
5. Visualization Techniques – New Jersey. Leinbach Richard B,

<b>SR.NO</b>	<b>TITLE OF THE COURSE</b>	<b>HOURS PER WEEK</b>	<b>MARKS ALLOTTED</b>	<b>CREDITS</b>
<b>7.</b>	Computer Applications	3	100	3

**OBJECTIVES:-**

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

<b>COURSE CONTENT</b>		<b>HOURS</b>
<b>UNIT 1</b>	<ul style="list-style-type: none"> <li>• Professional 3D drawing technique</li> <li>• Professional detailing in 3D Drawings</li> </ul>	<b>15</b>
<b>UNIT 2</b>	<ul style="list-style-type: none"> <li>• Software related to professional 3D presentations</li> </ul>	<b>15</b>
<b>UNIT 3</b>	<ul style="list-style-type: none"> <li>• Professional rendering for the presentation</li> </ul>	<b>15</b>

➤ **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.
- ✓ **Internship:-** 90 working days with a registered business firm.
- ✓ 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:-**

- Jr. Interior Designer
- Interior Decorator
- Design Critics./ Jr. Columnist in any Publications or media magazine in
- Assistant to the computer visualiser ,cad operator
- Sales person in the colour , furniture store, and allied
- Site Supervisor
- Accessory designer product designing
- Interior design stylist /
- Analyst Freelancer
- Teaching

### ❖ **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%

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

#### **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. Question 1 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%

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

Semester end examination: 60%

(Practical Exam will be of 3hr. duration)

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