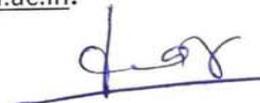


UNIVERSITY OF MUMBAI
No. UG/338 of 2018

CIRCULAR:-

The Principals of the affiliated Colleges in Architecture are hereby informed that the recommendations made by Ad-hoc Board of Studies in Interior Design at its meeting held on 3rd October, 2017 have been accepted by the Academic Council at its meeting held on 11th October, 2017 **vide** item No. 4.1 and subsequently approved by the Management Council at its meeting held on 28th November, 2017 **vide** item No. 27 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 Ordinances 6428 and 6429 and Regulations 9153 and 9154 the syllabus of Bachelor Vocational (Interior Design) Three Years Degree Programme have been introduced and the same have been brought into force with effect from the academic year 2017-18, accordingly. The same is available on the University's website : www.mu.ac.in.

MUMBAI – 400 032
14th February, 2018
To,


(Dr. Dinesh Kamble)
I/c REGISTRAR

The Principals of the affiliated Colleges in Architecture.

A.C/4.1/11.10.2017
M.C/27/28.11.2017

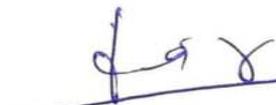
No. UG/338 -A of 2018

MUMBAI-400 032

14th February, 2018

Copy forwarded with Compliments for information to:-

- 1) The Co-ordinator, Faculty of Science & Technology,
- 2) The Director, of Board of Examinations and Evaluation,
- 3) The Director of Board of Students Development.,
- 4) The Co-Ordinator, University Computerization Centre,


(Dr. Dinesh Kamble)
I/c REGISTRAR

B. Voc. (Interior Design)

3 YEAR DEGREE PROGRAMME

WITH MULTIPLE EXIT POINTS

(to be introduced from session 2017-2018)

Under the

National Skills Qualifications Framework

(NSQF) of UGC &

University of Mumbai

Syllabus Prepared by:

University of Mumbai

AD-HOC BOARD OF STUDIES

B. Voc. (Interior Design)

BACHELOR OF VOCATION (INTERIOR DESIGN)

(3 YEAR FULL TIME DEGREE COURSE)

INTRODUCTION

Interior Design addresses the importance of human habitat and the built environment that supports human activities and values. It generates order to the space occupied by people, by making one aware of how the space influences our identity, productivity and wellness. As an interior designer one has the vital task to create intentional spatial interactions that can have a positive effect on human beings in whichever space they may inhabit – working, living or recreational.

The Interior Design program is built to initiate a thoughtful and reactive design process. It facilitates the students to understand and create human habitation spaces through varied understandings of theory, studio, practical skills, live projects, case studies, field trips and encounters with industries and professionals. It also aims at inculcating an environmental awareness within the student for the benefit of human health, well being and productivity.

The students are trained in representative skills through regular studios and a team of specialized Design Faculty that focus on freehand drawing, technical drawing and model making. These skills are further supplemented through elective subjects such as Interior Lighting, Interior Landscape, Sustainable Interior, Set Design, Interior Project Management, Furniture Design and Product Design. The program aims at promoting a holistic approach to the designing process by simultaneously involving inputs from theory, allied subjects and electives into design.

The program enables the student to become an independent and effective learner and opens up a range of prospects on completion of the course. The industry offers opportunities to young designers in large set ups of architecture, interior design, kitchen design and exhibition design practices. Graduates are equipped to begin their own practice or further their education by applying to study in post-graduate programs ranging from furniture, exhibition, product and interaction design to craft & technology, history- theory- criticism and Energy efficiency & green design.

BACHELOR OF VOCATION (INTERIOR DESIGN) TEACHING AND EXAMINATION SCHEME (WITH MULTIPLE EXIT POINTS)

SEMESTER-I (Examination conducted by individual colleges)		TEACHING SCHEME		CREDITS			EXAMINATION SCHEME			
SUB.NO	SUBJECTS	Lecture	Studio	Theory	Studio	TOTAL	Theory	Internal	External	TOTAL
101	Interior Design Studio - 1		6			6	50	100		150
102	Interior Construction -1	1	4			5	50	50		100
103	Interior services - 1	1	2			3	50	50		100
104	Communication Skill - 1	2				2		50		50
105	Interior Drawings & Representation Skills -1	1	3			4		50		50
106	Basic Design Studio -1		6			6		50	50	100
107	Interior Materials & Products -1	1	1			2	50	50		100
108	History of Furniture -1	2				2		50		50
	TOTAL	8	22			30	200	450	50	700

SEMESTER-II (Examination conducted by individual colleges)		TEACHING SCHEME		CREDITS			EXAMINATION SCHEME			
SUB.NO	SUBJECTS	Lecture	Studio	Theory	Studio	TOTAL	Theory	Internal	External	TOTAL
201	Interior Design Studio -2		6			6	50	100		150
202	Interior Construction -2	1	4			5	50	50		100
203	Interior services - 2	1	2			3	50	50		100
204	Communication Skill - 2	2				2		50		50
205	Interior Drawings & Representation Skills -2	1	3			4		50		50
206	Basic Design Studio -2		6			6		50	50	100
207	Interior Materials & Products -2	1	1			2	50	50		100
208	History of Furniture -2	2				2		50		50
	TOTAL	8	22			30	200	450	50	700

AT THE END OF FIRST YEAR UPON SUCCESSFUL COMPLETION OF SEMESTER-I AND II STUDENTS WILL BE AWARDED DIPLOMA (INTERIOR DESIGN)

SEMESTER-III (Examination conducted by individual colleges)		TEACHING SCHEME		CREDITS			EXAMINATION SCHEME			
SUB.NO	SUBJECTS	Lecture	Studio	Theory	Studio	TOTAL	Theory	Internal	External	TOTAL
301	Interior Design Studio -3		6			6	50	50	50	150
302	Interior Construction -3	1	4			5		100	50	150
303	Interior services - 3	1	2			3		50	50	100
304	Communication Skill - 3	2				2		50		50
305	Interior Drawings & Representation Skills -3	1	4			5		50		50
306	Environmental Studies -1	2				2		50		50
307	Interior Materials & Products-3	1	2			3		50		50
308	Interior Design Studio - 4		4			4		50	50	100
	TOTAL	8	22			30		500	200	700

SEMESTER-IV (Examination conducted by University of Mumbai)		TEACHING SCHEME		CREDITS			EXAMINATION SCHEME			
SUB.NO	SUBJECTS	Lecture	Studio	Theory	Studio	TOTAL	Theory	Internal	External	TOTAL
401	Interior Design Studio -5		6			6		100	50	150
402	Interior Construction -4	1	4			5		100	50	150
403	Interior services - 4	1	2			3	50	50		100
404	Communication Skill - 4	2				2		50		50
405	Interior Drawings & Representation Skills -4		4			4		50		50
406	Interior Professional Practice - 1	3				3	50			50
407	Elective - 1		3			3		50		50
408	Interior Working Drawing -1	1	3			4		50	50	100
	TOTAL	8	22			30	100	450	150	700

AT THE END OF SECOND YEAR UPON SUCCESSFUL COMPLETION OF SEMESTER-III AND IV STUDENTS WILL BE AWARDED ADVANCE DIPLOMA (INTERIOR DESIGN)

SEMESTER-V (Examination conducted by University of Mumbai)		TEACHING SCHEME		CREDITS			EXAMINATION SCHEME			
SUB.NO	SUBJECTS	Lecture	Studio	Theory	Studio	TOTAL	Theory	Internal	External	TOTAL
501	Interior Design Dissertation		8			8		100	200	300
502	Interior Working Drawing -2	1	4			5		50	50	100
503	Interior Services -5	1	3			4		50	50	100
504	Research Methodology	2				2		50		50
505	Interior Drawings & Representation Skills -5		4			4		50		50
506	Interior Professional Practice - 2	4				4	50			50
507	Elective -2		3			3		50		50
	TOTAL	8	22			30	50	350	300	700

SEMESTER-VI (Examination conducted by University of Mumbai)		TEACHING SCHEME		CREDITS			EXAMINATION SCHEME			
SUB.NO	SUBJECTS	Lecture	Studio	Theory	Studio	TOTAL	Theory	Internal	External	TOTAL
601	Interior Professional Practice (16-18 weeks)					16			200	200
	TOTAL					16			200	200

AT THE END OF THIRD YEAR UPON SUCCESSFUL COMPLETION OF SEMESTER-V AND VI STUDENTS WILL BE AWARDED BACHELOR OF VOCATION (INTERIOR DESIGN)

BACHELOR OF VOCATION (INTERIOR DESIGN) (3 YEAR DEGREE COURSE)										
DETAILS OF SCHEME OF EXAMINATION (WITH MULTIPLE EXIT POINTS)										
SEMESTER-I EXAMINATION Exam conducted by individual colleges		THEORY				SESSIONAL MARKS				Max. Marks for the Course
						INTERNAL		EXTERNAL		
SNO	COURSES	No. of Papers	Duration (Hours)	Maximum Marks	Min. Marks for passing	Maximum Marks	Min. Marks for passing	Maximum Marks	Min. Marks for passing	
101	Interior Design Studio - 1	1	6	50	20	100	50			150
102	Interior Construction -1	1	3	50	20	50	25			100
103	Interior services - 1	1	2	50	20	50	25			100
104	Communication Skill - 1					50	25			50
105	Interior Drawings & Representation Skills -1					50	25			50
106	Basic Design Studio -1					50	25	50	25	100
107	Interior Materials & Products -1	1	2	50	20	50	25			100
108	History of Furniture -1					50	25			50
TOTAL MARKS FOR EXAMINATION										700
MINIMUM AGGREGATE MARKS FOR PASSING										350
SEMESTER-II EXAMINATION Exam conducted by individual colleges		THEORY				SESSIONAL MARKS				Max. Marks for the Course
						INTERNAL		EXTERNAL		
SNO	COURSES	No. of Papers	Duration (Hours)	Maximum Marks	Min. Marks for passing	Maximum Marks	Min. Marks for passing	Maximum Marks	Min. Marks for passing	
201	Interior Design Studio -2	1	6	50	20	100	50			150
202	Interior Construction -2	1	3	50	20	50	25			100
203	Interior services - 2	1	2	50	20	50	25			100
204	Communication Skill - 2					50	25			50
205	Interior Drawings & Representation Skills -2					50	25			50
206	Basic Design Studio -2					50	25	50	25	100
207	Interior Materials & Products -2	1	2	50	20	50	25			100
208	History of Furniture -2					50	25			50
TOTAL MARKS FOR EXAMINATION										700
MINIMUM AGGREGATE MARKS FOR PASSING										350
AT THE END OF FIRST YEAR UPON SUCCESSFUL COMPLETION OF SEMESTER-I AND II STUDENTS WILL BE AWARDED DIPLOMA (INTERIOR DESIGN)										
SEMESTER-III EXAMINATION Exam conducted by individual colleges		THEORY				SESSIONAL MARKS				Max. Marks for the Course
						INTERNAL		EXTERNAL		
SNO	COURSES	No. of Papers	Duration (Hours)	Maximum Marks	Min. Marks for passing	Maximum Marks	Min. Marks for passing	Maximum Marks	Min. Marks for passing	
301	Interior Design Studio -3	1	8	50	20	50	25	50	25	150
302	Interior Construction -3					100	50	50	25	150
303	Interior services - 3					50	25	50	25	100
304	Communication Skill - 3					50	25			50
305	Interior Drawings & Representation Skills -3					50	25			50
306	Environmental Studies -1					50	25			50
307	Interior Materials & Products-3					50	25			50
308	Interior Design Studio - 4					50	25	50	25	100
TOTAL MARKS FOR EXAMINATION										700
MINIMUM AGGREGATE MARKS FOR PASSING										350

SEMESTER-IV EXAMINATION Examination conducted by University of Mumbai		THEORY				SESSIONAL MARKS				
						INTERNAL		EXTERNAL		
SNO	COURSES	No. of Papers	Duration (Hours)	Maximum Marks	Min. Marks for passing	Maximum Marks	Min. Marks for passing	Maximum Marks	Min. Marks for passing	Max. Marks for the Course
401	Interior Design Studio - 5					100	50	50	25	150
402	Interior Construction -4					100	50	50	25	150
403	Interior services - 4	1	2	50	20	50	25			100
404	Communication Skill - 4					50	25			50
405	Interior Drawings & Representation Skills -4					50	25			50
406	Interior Professional Practice - 1	1	2	50	20					50
407	Elective - 1					50	25			50
408	Interior Working Drawing -1					50	25	50	25	100
TOTAL MARKS FOR EXAMINATION										700
MINIMUM AGGREGATE MARKS FOR PASSING										350
AT THE END OF SECOND YEAR UPON SUCCESSFUL COMPLETION OF SEMESTER-III AND IV STUDENTS WILL BE AWARDED ADVANCE DIPLOMA (INTERIOR DESIGN)										
SEMESTER-V EXAMINATION Examination conducted by University of Mumbai		THEORY				SESSIONAL MARKS				
						INTERNAL		EXTERNAL		
SNO	COURSES	No. of Papers	Duration (Hours)	Maximum Marks	Min. Marks for passing	Maximum Marks	Min. Marks for passing	Maximum Marks	Min. Marks for passing	Max. Marks for the Course
501	Interior Design Dissertation					100	50	200	100	300
502	Interior Working Drawing -2					50	25	50	25	100
503	Interior Services -5					50	25	50	25	100
504	Research Methodology					50	25			50
505	Interior Drawings & Representation Skills -5					50	25			50
506	Interior Professional Practice - 2	1	2	50	20					50
507	Elective -2					50	25			50
TOTAL MARKS FOR EXAMINATION										700
MINIMUM AGGREGATE MARKS FOR PASSING										350
SEMESTER-VI EXAMINATION Examination conducted by University of Mumbai		THEORY				SESSIONAL MARKS				
						INTERNAL		EXTERNAL		
SNO	COURSES	No. of Papers	Duration (Hours)	Maximum Marks	Min. Marks for passing	Maximum Marks	Min. Marks for passing	Maximum Marks	Min. Marks for passing	Max. Marks for the Course
601	Interior Professional Practice (16-18 weeks)							200	100	200
TOTAL MARKS FOR EXAMINATION										200
MINIMUM MARKS FOR PASSING										100
AT THE END OF THIRD YEAR UPON SUCCESSFUL COMPLETION OF SEMESTER-V AND VI STUDENTS WILL BE AWARDED BACHELOR OF VOCATION (INTERIOR DESIGN)										

BACHELOR OF VOCATION (INTERIOR DESIGN)

(3 YEAR DEGREE COURSE WITH MULTIPLE EXIT POINTS)

Syllabus (Course Content)

Semester-I

101 Interior Design Studio-1

Credits: 6
Teaching Hours: Lectures: ---- Studio: 96 periods of 1 hour each
Sessional Marks: Internal: 100 External: -----
Examination: Interior Design paper of 6 hours duration for 50 marks. Min. 20 marks for passing

Objective

In this semester the learner is expected to apply the basic design acumen and anthropometric observations in the designing of Residential interior spaces such as Individual rooms (Living/ Dining not less than 25.00 Sq.mts & Kitchen not less than 12.00 Sq.mts.) of an apartment and are expected to present the study through detailed measured drawings and sketches.

All specified areas are Carpet Areas.

Contents

- Introduction to parameters of design, anthropometrics and ergonomics, human activity and use of interior spaces and furniture.
- Analysis of design to perceive elements which define the character of the environment.
- Analysis of design process.
- Concept formation for design.

Evaluation

Continuous assessment of sessional work in form of sketches, scaled drawings, study models invarious materials, case studies, visit reports, power point presentations etc.

Design portfolio should consist of Project Brief, Client profile, Measurement Plan, Furniture Layout Plan/ Flooring Layout/ Sectional Elevations.

Faculty ratio

One teacher per twelve students.

Note

Six hours studio shall not be at a stretch.

REFERENCES:

1. Ahmed Kasu, Interior Design, TWAINE Pub. Bombay
2. Sudhir Diwan, Sanskruti a manual of Interior Design Vol-1, Interior Affairs, Mumbai
3. Karlen Mark, Space planning Basics, Van Nostrand Reinhold, New York, 1992.
4. Joseph D Chiara, Julius Panero, & Martin Zelnick, Time Saver standards for Interior Design & space planning, 2nd edition, Mc-Graw Hill professional, 2001.
5. Francis.D. Ching & Corky Bingelli, Interior Design Illustrated, 2nd edition, Wiley publishers, 2004.
6. Julius Panero & Martin Zelnick, Human Dimension & Interior Space : A source book of Design Reference standards, Watson – Guphill, 1979. Karlen
7. Barner, R.M., (1980), Motion and Time Study, Design and Measurement of work, John Wiley, New York.
8. Borgert, E. (1982) Housecraft – Principles and Practices, Issac Pitman, London.
9. Chaffin, D.B. and Andersson, G.B.J. (1984) Occupational Biomechanics, John Wiley, New York.
10. Cromwell, L. Weibell, F.J. and Pfeiffer, E.A. (1991) Biomedical Instrumentation and
11. Measurements, Prentice Hall, New Delhi
12. Pranav Bhatt 'Fundamentals of Art and Design'

102 Interior Construction-1

Credits: 5
Teaching Hours: Lectures: 16 periods of 1 hour each Studio: 64 periods of 1 hour each
Sessional Marks: Internal: 50 External: -----
Examination: Theory paper of 3 hours duration for 50 marks. Minimum 20 marks for passing

Objective

To introduce basic materials used in construction, basic components of a building and method of construction and representation of the same.

Contents

- **Structural components:** Introduction to structural components and elements of built structure.
- **Walling Systems:** Brick walls for interior division of spaces and other uses (half brick and one brick thickness). Light weight concrete blocks, hollow blocks, aerated concrete blocks.
- **Joinery:** Introduction to joinery and joints, limitations and applications.
- **Openings:** Doors, windows, ventilators with focus on different modes of operation and their jamb linings. Types of Lintels and Arches based on structure and materials. Structural glazing
- **Doors and Windows:**Types based on mode of operation, material and positioning.

Evaluation

- Continuous assessment of sessional work should consist of scaled drawing plates for topics Doors, Windows, Lintels and Arches.
- Assessment of topics-Structural glazings,Structural components, Walling systems and joinery to be assessed in form of sketches ,visit reports, power point presentations.

Faculty ratio

One teacher per twelve students.

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, 2003.

103 Interior services - 1

Credits:	3		
Teaching Hours:	Lectures: 16periods of 1 hour each	Studio: 32 periods of 1 hour each	
Sessional Marks:	Internal: 50	External: -----	
Examination:	Theory paper of 2 hours duration for 50 marks. Minimum 20 marks for passing		

Objective

Introduction to the principles of water supply, sanitation and drainage system and various types of sanitary fittings and fixtures to enable learner design appropriate service layout.

Contents

- Cold and hot water distribution systems, types of water supply pipes and joints, fixtures and fittings.
- Soil and waste water disposal systems, types of sanitary pipes and joints.
- Plumbing works for Kitchens, toilets, baths, washing machines, dishwasher, refrigerator, loft tanks etc.
- Detail for bath Tubs, Rain Shower, Shower system, Jacuzzi.
- Distribution and disposal layout.

Evaluation

Continuous assessment of sessional work may consist of project work, sketch books, power point presentations etc.

Faculty ratio

One teacher per batch

REFERENCES:

1. Rangawala, S.C Engineering Materials, Charter publishing house, Anand 1963.
2. Rangawala, S.C, Building construction, Charter publishing house, Anand 1963
3. Rangawala .S.C., Water supply and sanitary Engineering, publishing house, Roorkee.
4. Pratap R.M (1988) Interior Design Principles and practice, Standard publishers distribution, Delhi.
5. F. Hall, Plumbing technology, British Library Cataloguing in Publication Data
6. Shubhangi Bhide, Building services & equipments, Rudra offset
7. H. L. Ohri, Water Supply and Sanitary Engineering, Charotar Publishing House
8. C. Panchdhari, Water Supply and sanitary installations, Bureau of Indian Standards, N.Delhi
9. Sandeep Mantri, Practical Bldg. Const. & its mgmt., Mantri proj. & consultancy Pvt.ltd

104 Communication Skills-1

Credits: 2
Teaching Hours: Lectures: 32 periods of 1 hour each Studio: -----
Sessional Marks: Internal: 50 External: -----

Objective

To enhance verbal and non verbal communication skills of students with an intension to improve the skills of reading and writing, language and conversational ability in various mediums such as presentation (written - graphics and audio) face to face etc. To enable the student to ultimately explain / defend his/her design to single person or panel.

Contents

- Verbal and non verbal communication
- Body language and vocalic
- Writing skills
- Presentation skills
- Personal grooming and confidence building
- Debates, Skits, Group discussions

Evaluation

Continuous assessment of sessional work may consist of evaluation of individual's writing and presentation skills, project work, power point presentations etc.

Faculty ratio

One teacher per batch.

Reference Books:

1. Geetha Jajivan, Kiranmai: Course in listening and speaking Skills part I, Foundation Books Pvt Ltd.
2. Lorven: Enrich your communication in English

105 Interior Drawings & Representation Skills-1

Credits: 4
Teaching Hours: Lectures: 16 periods of 1 hour each Studio: 48 periods of 1 hour each
Sessional Marks: Internal: 50 External: -----

Objective

Introduction to graphical language and representation techniques in form of technical drawings to enable learner to visualize the design in effective manner.

Contents

- Drafting techniques, graphic codes, symbols and architectural lettering
- Architectural scales
- Solid geometry
- Orthographic projections of simple , complex solids and hollow objects, Sections
- Isometric and axonometric projections.
- Rendering techniques

Evaluation

Continuous assessment of sessional work should consist of and scaled drawings for geometrical objects, solid geometry and orthographic projections

Faculty ratio

One teacher per twelve students.

Reference Books:

1. Stephen Kliment, Architectural Sketching and Rendering: Techniques for Designers and Artists, Watson Guptill, 1984.
2. Ivo.D. Drpic, Sketching and Rendering of Interior Space, Watson- Guptill, 1988.
3. Maureen Mitton, Interior Design Visual Presentation: A Guide to graphics, models and presentation techniques, 3rd edition, wiley publishers, 2007

4. Mogali Delgade Yanes and Ernest Redondo Dominquez, Freehand drawing for Architects and Interior Designers, ww.Norton & co., 2005
5. Francis D.Ching, Design Drawing, Wiley publishers
6. Atkin William W. Corbellent, Raniero and Firore. R. Vincent, Pencil Techniques in Modern Design. 4th ed. Reinhold pub Corporation. New York, 1962.
7. Bately, Claude. Design Development of India Architecture.
8. Bellings, Lance Bowen. Perspective space and Design.
9. Burden, Ernest, Architectural Delineation: A photographic approach to presentation, 2nd ed, McGraw Hill, Inc., New York, 1982.
10. Conli, Claudius. Drawings by Architects.
11. John. F. Pile, Perspective for Interior Designers, Watson – Guptill, 1989.
12. Ernest. R. Norling, Perspective made easy, Dover publications, 1999
13. Joseph D, Amelio, Perspective Drawing Hand book, Dover publications, 2004
14. Sketchbook by Milind Mulik
15. Colour Pencil by Rahul Deshpande & Gopal Nandurkar
16. Pencil Sketching - Vyaktichitre by Pundalik Vaze

106 Basic Design Studio-1

Credits:	6	
Teaching Hours:	Lectures: -----	Studio: 96 periods of 1 hour each
Sessional Marks:	Internal: <u>50</u>	External (Viva-Voce): <u>50</u>

Objective

Basic design defines the base of design aspects, in terms of design elements and principles that are generically applicable to any design stream including interior design.

The subject aims at developing observational and creative skills that would enhance the visual perception of students and evolve aesthetic sensitivity.

Content

The course content would be developed by individual colleges in accordance with their time frames. The scheme would include visual studies primarily applicable to graphic, product, furniture design, art and architecture etc., with special emphasis on study of forms, colours, light, textures, and similar visual elements.

Evaluation

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

Faculty ratio

One teacher per twelve students.

Reference Books:

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 Item, 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.

14. Thinking Design By Prof S Balram
15. Visual Thinking by Frank M. Young
16. Elements of Design: Rowena Reed Kostellow and the Structure of Visual Relationships Hannah G.G, Princeton Architectural Press, NY, USA
17. How Designers think: the design process demystified by Lawson B., Architectural Press, Oxford
18. Design Methods by Jones C. J., John Willey and Sons, Inc.

Web Sites:

www.graphicdesignbasics.com

107 Interior Materials & Products-1

Credits: 2
 Teaching Hours: Lectures:16 periods of 1 hour each Studio: 16 periods of 1 hour each
 Sessional Marks: Internal: 50 External: -----
 Examination: Theory paper of 2 hours duration for 50 marks. Minimum 20 marks for passing

Objective

To give an overview of the basic materials those are used in Interior and Architecture with reference to the material properties, feasibility, availability, durability and sustenance to climatic conditions.

Contents

- Natural stones
- Bricks, light weight concrete blocks
- Cement, concrete
- Ceramics
- Commercial forms of wood
- Timber
- Glass
- Bamboo

For all the above mentioned materials a basic understanding of the market research and current trend analysis will be cumulated through **Market Research and Presentations** by students there upon.

Evaluation

Continuous assessment of sessional work may consist of project work, sketch books, power point presentations, market surveys, research work etc.

Faculty ratio

One teacher per thirty students

REFERENCE BOOKS:

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.

108 History of Furniture-1

Credits: 2
 Teaching Hours: Lectures: 32 periods of 1 hour each Studio: -----
 Sessional Marks: Internal: 50 External: -----

Objective

To create awareness of History as an aid to design process

Contents

- Introduction to furniture history.

- Evolution of furniture over a period based on climate, social factors, life style, technical and stylistic development availability of materials and various movements in design.
- Introduction to furniture terminology based on methods of joinery techniques such as parquetry, marquetry gilding, turning, pierced and chip carving, ormolu mounts.
- Ancient civilization, art, architecture of Egypt. Furniture preserved in ancient pyramids.
- Ancient classical orders developed by them and various methods to overcome optical illusion. Furniture developed by Greeks and Romans by 3rd century A.D.
- Medieval era in Europe, utilitarian furniture developed from Romanesque till Gothic times. Gothic cathedrals preserving art, manuscripts, furniture, paintings, sculptures, stain glass.
- Beginning of Renaissance-second golden era in Europe, age of discovery. Renaissance furniture of Italy and France.
- Baroque and Rococo furniture of 17th century Europe.
- Neoclassical and Regency period in history of furniture-18th century
- Prominent names in the field of Architecture, sculptures, paintings international and Indian

Evaluation

Continuous assessment of sessional work may consist of project work, sketch books, power point presentations etc.

Faculty ratio

One teacher per batch.

Reference Books:

1. Joseph Aronson, The Encyclopedia of Furniture: Third Edition ,1961
2. Bradley Quinn, Mid-Century Modern: Interiors, Furniture, Design Details, Conran Octopus Interiors, 2006.
3. Jim Postell, Furniture Design, Wiley publishers, 2007.
4. Edward Lucie-Smith , Furniture: A Concise History (World of Art) , Thames and Hudson, 1985
5. Robbie. G. Blakemore, History of Interior Design and Furniture: From Ancient Egypt to Nineteenth-Century Europe, Wiley publishers, 2005.
6. John.F. Pile, Interior Design, 2nd edition, illustrated, H.N.Abrams, 1995.

Semester-II

201 Interior Design Studio-2

Credits:	6	
Teaching Hours:	Lectures: -----	Studio: 96 periods of 1 hour each
Sessional Marks:	Internal: 100	External : -----
Examination:	Theory paper of 6 hours duration for 50 marks. Minimum 20 marks for passing	

Objective

In this semester the learner is expected to enhance their skills by application of design concept and/or theme to residential interior space and small retail space by understanding the usage of basic materials and construction.

Contents

- Designing a medium size residential spaces (Master Bedroom not less than 18.00 sq.mts with Attached Toilet not less than 5.00 sq.mts & Childrens Bedroom not less than 18.00 sq.mts).
- Study and application of anthropometry, ergonomics, design principles and components related to retail spaces. The design exercise may include small retail spaces such as Garment Boutique, mobile stores, Accessories store, small Café etc. (not exceeding 30.00 sq.mts.)

All specified areas are Carpet Areas.

Evaluation

Continuous assessment of sessional work may consist of sketches, scaled drawingsstudy 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/ Basic Electrical Layout, Sectional Elevations.

Faculty ratio

One teacher per twelve students.

Note:

Six hours studio shall not be at a stretch.

REFERENCES:

1. Karlen Mark, Space planning Basics, Van Nostrand Reinhold, New York, 1992.
2. Joseph D Chiara, Julius Panero, & Martin Zelnick, Time Saver standards for Interior Design & space planning, 2nd edition, Mc-Graw Hill professional, 2001.
3. Francis.D. Ching & Corky Bingelli, Interior Design Illustrated, 2nd edition, Wiley publishers, 2004.
4. Julius Panero & Martin Zelnick, Human Dimension & Interior Space : A source book of Design Reference standards, Watson – Gupill, 1979.
5. Karlen Mark, Kate Ruggeri & Peter Hahn, Space Planning Basics, Wiley publishers, 2003.

202 Interior Construction-2

Credits: 5
Teaching Hours: Lectures: 16 periods of 1 hour each Studio: 64 periods of 1 hour each
Sessional Marks: Internal: 50 Exam : -----
Examination: Theory paper of 3 hours duration for 50 marks. Minimum 20 marks for passing

Objective

To equip the learner with various systems of partitioning and paneling with appropriate means of construction, assembly and joinery through detailed working drawing and to make student aware of future trends in furniture design.

Contents

- **Partition Systems:** Wooden framed fixed partition with single/double skin, Aluminium framed Partition, Dry wall partition systems, Full glass partition with architectural hardware.
- **Wall Cladding and Paneling:** Wet and Dry wall cladding in different materials, Wall paneling in different materials.
- **Modular furnitures:** Introduction to modular furniture, analyzing the need and criteria for selection, materials used and constructional details.

Evaluation

- Continuous assessment of sessional work should consist of scaled drawings for partitions, cladding and paneling systems.
- Assessment of topic modular furniture to be assessed in form of sketches, visit reports, journals, power point presentations etc.

Faculty ratio

One teacher per twelve students.

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.

203 Interior services -2

Credits: 3
Teaching Hours: Lectures: 16 periods of 1 hour each Studio: 32 periods of 1 hour each
Sessional Marks: Internal: 50 External: -----
Examination: Theory paper of 2 hours duration for 50 marks. Minimum 20 marks for passing

Objective

Introduction to the principles of Electrification and lighting to enable learner design appropriate service layout.

Contents

- Introduction to electrical systems as applicable to interior spaces.
- Electrical system designs including materials, specifications and types.
- Learning electrical layouts, symbols etc.
- Types residential lighting, fittings , fixtures and switches.
- Introduction to automation in lighting industry.

Evaluation

Continuous assessment of sessional work may consist of project work, sketch books, power point presentations etc.

Faculty ratio

One teacher per batch.

REFERENCES:

1. Electrical wiring and contracting (vol. 1 to vol.4), London. The New era Publishing Company.
2. Dr Frith Abnws and others, Electrical Engineering hand book.
3. William . J. Guinness, Mechanical and Electrical Systems for Buildings, New York : Mc Graw Hill.
4. Faber, Oscar and Kell, J.R. Heating and Air conditioning of Building. Architectural Press, surrey, 1945.
5. Prasad Manohar, Refrigeration and air-conditioning. 5th ed, New Age Intl. pub, New Delhi, 1996.

204 Communication Skills-2

Credits: 1
Teaching Hours: Lectures: 32 periods of 1 hour each Studio:
Sessional Marks: Internal: 50 External: -----

Objective

To enhance verbal and non verbal communication skills of students with an intension to improve the skills of reading and writing, language and conversational ability in various mediums such as presentation (written - graphics and audio) face to face etc. To enable the student to ultimately explain / defend his/her design to single person or panel.

Contents

- Interpersonal skills
- Analytical writing skills
- Business writing skills
- Technical writing skills
- Personal grooming and confidence building
- Debates, Skits, Group discussions

Evaluation

Continuous assessment of sessional work may consist of evaluation of individual's writing and presentation skills, project work, power point presentations etc.

Faculty ratio

One teacher per batch.

Reference Books:

1. K K Nelson, F Dubors, Learning to learn, Allyn & Bacon
2. E. H. McGrath, Basic Managerial Skills for all, Prentice hall of India
3. P D Kulkarni & B B Sharma, Independent Study Techniques, TTTI, Chandigarh
4. Elizabeth Hierney, 101 Ways to Better Communication, Kogan Page
5. Malvika Nagarkar, Communication Skills, MSBTE
6. Wren & Martin, English Grammar, Chand Books
7. Burgoon Michael, Human Communication, London: Sage Pub.
8. G Leech & Jan Svartvik, A Communicative grammar of English, ELBS
9. R K Bansal & J B Harrison, Spoken English for India, New York: Mcgraw Hill
10. J D O'Conner, Better English Pronunciation, N Delhi: Orient Longman
11. Technical Communication : A Reader Centered Approach, by Anderson, Thomson Learning
12. Geetha Jajivan, Kiranmai: Course in listening and speaking Skills part I, Foundation Books Pvt Ltd.
13. Lorven: Enrich your communication in English

Web Sites:

www.mindtools.com
www.samcerto.com
www.stress.org.uk
www.coopcomm.org/workbook.com
www.mapnp.org/lib/grpskill/theory.htm

205 Interior Drawings & Representation Skills-2

Credits: 4
Teaching Hours: Lectures: 16 periods of 1 hour each Studio: 48 periods of 1 hour each
Sessional Marks: Internal: 50 Exam : -----

Objective

The learner will be introduced to the basic principles of perspectives and sciography and its application to the field of interior design and drawings.

Contents

- Sciography of two dimensional objects in plan and elevation.
- Sciography of three dimensional objects in plan, elevation and views
- Basic terms, principles, types and techniques of perspective
- One, two and three point perspective of simple interior elements (drafted and free hand)
- Presentation of interior views (drafted and free hand) with pencil and colour rendering

COMPUTER SOFTWARES-

Introduction to fundamentals of computer systems, hardware, peripheral devices, operating systems, application software etc in interior practice, understanding and application of MS-Word, Power point, sketch Up software etc.

Reports/ presentation and analytical work: Microsoft Word/ Power Point/ Excel.

Drawing tools: 2D CAD/ Sketch up basics.

Evaluation

Continuous assessment of sessional work consists of sketches and scaled drawings etc.

Faculty ratio

One teacher per twelve students.

Note:

The students are expected to acquire necessary skills by pursuing a course in the vacation to enhance skill development in handling softwares.

REFERENCES:

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

206 Basic Design Studio-2

Credits: 6
Teaching Hours: Lectures: ----- Studio: 96 periods of 1 hour each
Sessional Marks: Internal: 50 External (Viva-Voce): 50

Objective

Evolving further from course content of semester 1, the focus of study shall be based on application of the observational and creative skills to Design and planning process.

Contents

- Interplay of planning principles like balance, harmony, rhythm etc
- Study and application of anthropometry and ergonomics as a tool to understand aesthetic and functional concepts of design.
- Concepts of evolving technology and space modulation
- History, styling and theme based designs

Evaluation

Continuous assessment of sessional work may consist of sketches, drawings, study model in various materials, journals, visit reports, power point presentations etc.

Faculty ratio

One teacher per batch

Note:

Six hours studio shall not be at a stretch.

Reference Books:

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.

207 Interior Materials & Products-2

Credits: 2
Teaching Hours: Lectures: 16 periods of 1 hour each Studio: 16 periods of 1 hour each
Sessional Marks: Internal: 50 Exam : -----
Examination: Theory paper of 2 hours duration for 50 marks. Minimum 20 marks for passing

Objective

To give an in-depth knowledge and understanding of the materials that are used in Interior and Architecture with reference to the material properties, feasibility, availability, durability and sustenance to climatic conditions and also the aesthetic value it will add with its use.

Contents

- Artificial stones, semi-precious stones
- Paints, polishes,
- Ferrous and non-ferrous metals,
- Plastics and Polycarbonates.

- Floor coverings and furnishings

For all the above mentioned materials a basic understanding of the market research and current trend analysis will be cumulated through Market Research and Presentations by students there upon.

Evaluation

Continuous assessment of sessional work may consist of project work, sketch books, power point presentations, market surveys, research work etc

Faculty ratio

One teacher per thirty students.

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.

208 History of Furniture-2

Credits: 2

Teaching Hours: Lectures: 32 periods of 1 hour each Studio: -----

Sessional Marks: Internal: 50 External: -----

Objective

To create awareness of History as an aid to design process.

Contents

- English furniture from 16th to 18th century. Tudor, Stuart, Jacobean, Restoration period, Queen Ann period, Gregorian period, Chippendale, Sheraton.
- Beginning of 19th century industrialization.
- Victorian Era in England, Art and Craft movement in design.
- Art Nouveau movement in art and furniture. Art movements before and after world wars.
- Cubism of Picasso, De-stijl movement.
- Bauhaus school of Design and its impact on modern design.
- Art Deco movement.
- Oriental furniture and how it is different from western counterparts. Furniture of Japan and China.
- Indian furniture, traditional and colonial.

Evaluation

Continuous assessment of sessional work may consist of project work, sketch books, power point presentations etc.

Faculty ratio

One teacher per batch

REFERENCES:

1. John F. Pile, A history of interior design, 2nd edition, Laurence King Publishing, 2005.
2. Jeannie Ireland, History of Interior Design, air child publications, illustrated ed., 2009.
3. Elaine, Michael Dywer, Christopher Mackinnon, Norman A. J. Berisford Denby , A History of Interior Design, Rhodoc International, 1983.
4. Giedion Sigfried, Space, Time and Architecture: The growth of a new tradition, 4th ed. Harvard University Press, Cambridge, 1962.
5. Tadgell Cristopher, The History of Architecture in India: From the dawn of civilization to the End of the Raj , Om Book Service, New Delhi, 1990.
6. Rowl Bejamin. Art and Architecture of India.

Semester-III

301 Interior Design Studio-3

Credits:	6	
Teaching Hours:	Lectures: -----	Studio: 96 periods of 1 hour each
Sessional Marks:	Internal: 100	External (Viva-Voce): 50

Objective

The learner is expected to apply advanced skills to planning of residential interior spaces with clear understanding and usage of contemporary materials, construction techniques and services required for the design project. Study and application of anthropometry, ergonomics, basic design principles and components related to hospitality environment.

Contents

- Design of Studio Apartment of Small or medium size not exceeding 50.00 sq.mts. (Carpet Area)
- Large multilevel luxury residence such as a Penthouse, Bungalow etc. (Carpet Area between 200.00 to 300.00 sq.mts)

Evaluation

Continuous assessment of sessional work may consist of sketches, perspective drawings, scale 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).

Faculty ratio

One teacher per twelve students.

Note:

Six hours studio shall not be at a stretch.

REFERENCES:

1. Karlen Mark, Space planning Basics, Van Nostrand Reinhold, New York, 1992.
2. Joseph D Chiara, Julius Panero, & Martin Zelnick, Time Saver standards for Interior Design & space planning, 2nd edition, Mc-Graw Hill professional, 2001.
3. Francis.D. Ching & Corky Bingelli, Interior Design Illustrated, 2nd edition, Wiley publishers, 2004.
4. Julius Panero & Martin Zelnick, Human Dimension & Interior Space : A source book of Design Reference standards, Watson – Gupill, 1979.
5. Maureen Mitton, Interior Design Visual Presentation: A Guide to Graphics, Models, and Presentation Techniques. John Wiley and Sons, 2003
6. Mark.W. Lin, Drawing and Designing with Confidence: A step-by-step guide, Wiley and Sons, 1993.
7. Robert Rengel, Shaping Interior Space, Fairchild Books & Visuals ,2002

302 Interior Construction-3

Credits:	5	
Teaching Hours:	Lectures: 16 periods of 1 hour each	Studio: 64 periods of 1 hour each
Sessional Marks:	Internal: 100	External (Viva-Voce): 50

Objective

To equip the learner with various structural systems, Floor system, Roofing systems and means of construction, assembly and joinery through detailed working drawings.

Contents

- **Structural Systems:** Introduction to different structural systems for buildings:-
Load bearing brick/stone masonry - its application in interior field.
RCC frame structure with column, beam, slab, cantilevers etc. – its application in interior field.
Steel framed construction with different rolled sections - its application

- **Floor Systems:** in interior field.
Single floor in wood and steel with different floor finishes. Introduction to double floor in steel.
- **Stairs:** Single flight wooden staircase and dog-legged RCC, metal staircase. Principles of steel spiral stairs.
- **Roofing Systems:** Pitch roof/lean-to roof in steel with coated metal sheets, colour clay tiles and water proofing of flat terrace and toilet.

Evaluation

Continuous assessment of sessional work should consist of drawing plates, journals, visit reports, sketch books, power point presentations etc.

Faculty ratio

One teacher per twelve students.

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, TWAINE Pub. Bombay
4. Jullius Panero Martin Zelnik, Human Dimensions and Interior Spaces, Whitney Library New York
5. Phillis Sleen Allen, Beginning of Interior Environment, New York
6. Shirish Bapat, Basic Design of Anthropometry, Bela books Publishers
7. Shirish Bapat 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, 2

303 Interior services -3

Credits: 3

Teaching Hours: Lectures: 16 periods of 1 hour each Studio: 32 periods of 1 hour each

Sessional Marks: Internal: 50 External (Viva-Voce): 50

Objective

To equip the learner with concept and principles of natural and mechanical ventilation and air-conditioning.

Contents

- Introduction to HVAC.
- Principles of thermal comfort parameters for humans.
- Principles of natural ventilation.
- Heat load calculations.
- Introduction to air conditioning systems (at least few lectures should be given by AC agency), methods of air conditioning, equipment and components used in air conditioning.
- Selection criteria for air conditioning systems.
- Ducting principles, layout schemes and placement of air conditioner outlets in central air conditioning systems.
- Mechanical ventilation and its application.
- Introduction to Acoustics and its application to interiors.

Evaluation

Continuous assessment of sessional work may consist of project work, sketch books, power point presentations etc.

Faculty ratio

One teacher per batch

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

304 Communication Skills-3

Credits: 1

Teaching Hours: Lectures: **32** periods of 1 hour each

Studio:

Sessional Marks: Internal: 50

External: -----

Objective

To develop in learner skills of critical appreciation and analysis of design, sharpen convincing skills, oratory skills and develop effective communication in context to interior design profession.

Contents /Assignments

- Voice culture, vocalic and body language
- Analysis and describe interior work carried out any professional designer.
- Preparing and presenting verbal explanation on his own design and concept.
- Review of design related articles.
- Debates, discussions

The Subject in this semester teaches students about the critical analysis and appreciation of the design. This enhances the power of convincing. The student starts giving reason for his likes & dislikes. All this will ultimately result in to a good verbal explanation of the design & the concept.

Evaluation

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

Faculty ratio

One teacher per batch.

REFERENCES:

1. Write better, speak better (Reader's digest Publication)
2. Building your Vocabulary – John G. Gilmartin
3. Instant Vocabulary – Gopal K. Puri.
4. Contemporary English Grammer, Structure & Composition. David Green (Macmillan& Co Ltd.)
5. Tiger's Eye – Alan Mc Connell Duff. (Oxford University Press)
6. J. D. O. Connor UBS Better English Pronunciation.

7. Dianna Booher – Ewriting - 21st century, Tools for effective communication pocket books. Sinon & Schuster inc. JSBN – O 7434- 1258-3
8. Ashi Hi Inragi (Marathi) Prof. N. D. Apte Rajhans Prakashan Pune.
9. Osborn Michael/ Osborn Suzane. Public Speaking, Biztantra, New Delhi.
10. Durodula Sahrolyn P. Learn Reading- Anmol Publications Pvt. Ltd., New Delhi.
11. Narula Uma, Business Communication Practices-Modern Trends, Atlantic Publishing House, Mumbai.
12. Kumar Keval. J, Mass Communication In India, Jaico Publishing House, Mumbai.
13. Information and Communication Technology by Abdul Mannan Himalaya Publishing House, Mumbai.

305 Interior Drawings & Representation Skills-3

Credits: 5
Teaching Hours: Lectures: 16 periods of 1 hour each Studio: 64 periods of 1 hour each
Sessional Marks: Internal: 50 External: -----

Objective

To introduce basic understanding of other software like Architectural Desktop, Revit, Archicad etc including 3D modeling (creating shades and shadows, attaching materials and rendering), CAD customization for different project types.

Learner will be required to apply all the above skills learned during this semester on the design assignments prepared in the previous / current semester and present it for assessment.

Contents /Assignments

- Needs and tools for design and drafting.
- Preparation of two dimensional interior drawings (including plans, elevations and sections), incorporating layers, line-weights, texts, scale, dimensioning
- Formatting of drawings for taking prints and plots.

Evaluation

Continuous assessment of sessional work may consist of application of various skills learned during the semester on the previous / current semester design portfolio.

Faculty ratio

One teacher per thirty students.

306 Environmental Studies-1

Credits: 2
Teaching Hours: Lectures: 32 periods of 1 hour each Studio:
Sessional Marks: Internal: 50 External: -----

Objective

To introduce the concept and principles of environment and its impact on interior spaces, including climatic study and parameters of human comfort. Learner should be exposed to use of preliminary analysis tools used during the early planning stages of an interior project.

Contents

- Climatic factors which affect thermal comfort in humans, along with its interface with Interiors.
- Importance of materials in the Interiors. Properties of materials.
- Importance of day lighting, IAQ its application and ventilations
- Water and its conservation
- Introduction to sustainable material
- Concept of Reduce-Reuse - Recycle
- Properties of materials and heat transfer.
- Evaluation of materials on environmental aspects

- Lighting design and energy usage, conservation of energy.
- Introduction to all mechanical systems used in the interiors.
- Understanding of LEED, GRIHA. Leadership in energy and environmental design.

Evaluation

Continuous assessment of sessional work may consist of project work, case studies, research, power point presentations etc.

Faculty ratio

One teacher per batch.

REFERENCES:

1. Rai G.D (1996), Solar Energy Utilization, Khanna Publishers, Delhi.
2. Riggs, J.R. (1992) Materials and components of Interior Design, Regents Hall, New Jersey.
3. Faulkner, R., and Faulkner. S, (1987) Inside Today's Home, Rinehart publishing House, Newyork.
4. Roa, M.P. (1998), Interior design, principles and practice, standard publishers, Delhi.
5. Despande, R.S, (1974) Build your own home, United book corporation, Poona.

307 Interior Materials & Products-3

Credits:3

Teaching Hours: Lectures: 16 periods of 1 hour each Studio: 32 periods of 1 hour each

Sessional Marks: Internal: 50 External: -----

Objective

Introduction of advanced materials and products that are used in Interior and Architecture in the current day and age. Knowledge of these materials and their implementation will help in the enhancement and upliftment of projects. It will also cater to the specific use of products keeping in mind the final utilization and precautionary measures that need to be consciously considered while designing.

Contents

- Materials and techniques used for water-proofing.
- Fire retardant materials and their applications.
- Thermal insulating materials and their applications.
- Outdoor and infrastructural products used as substitutes in today's times.

Major part of this semester will focus on **Market Research and Presentations** by students.

Evaluation

Continuous assessment of sessional work may consist of project work, sketch books, power point presentations, market surveys, research work etc.

Faculty ratio

One teacher per thirty students.

308 Interior Design Studio-4

Credits: 4

Teaching Hours: Lectures: -----

Studio: 64 periods of 1 hour each

Sessional Marks: Internal: 50

External (Viva-Voce): 50

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 /Assignments

- 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)

OR

- 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).

Faculty ratio

One teacher per twelve students.

Note:

Six hours studio shall not be at a stretch.

Semester-IV

401 Interior Design Studio-5

Credits:

6

Teaching Hours:

Lectures: -----

Studio: 96 periods of 1 hour each

Sessional Marks:

Internal: 100

External (Viva Voce): 50

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 /Assignments

- The assignment may include large commercial projects like corporate office of a Multi National corporation.

OR

- Designing activity based small to medium sized Public spaces such as Art Gallery, Convention centers, Multiplexes etc.

OR

- SPA/ Saloon/ Therapy Centre

OR

- Theme Dine Restaurant.

NOTE: The carpet area of the project should not be less than, 300.00 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.

Faculty ratio

One teacher per twelve students.

Note:

Six hours studio shall not be at a stretch.

402 Interior Construction-4

Credits: 5

Teaching Hours: Lectures: 16 periods of 1 hour each Studio: 64 periods of 1 hour each

Sessional Marks: Internal: 100 External (Viva-Voce): 50

Objective

To equip the learner with various partitioning systems, false ceiling systems, false floors and means of construction, assembly and joinery through detailed working drawings.

Contents

- **Advance Partition Systems:** Sliding folding partition in metal and glass. Thermal/Acoustical partition and paneling in metal frame finished in various materials, movable partitions
- **False Ceiling :**
Concepts Systems: Gypsum board ceiling, modular ceiling systems in various materials.
- **Raised flooring Systems:** Raised floor for commercial spaces and I.T. rooms.

Evaluation

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

Faculty ratio

One teacher per twelve students.

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. Jullius Panero Martin Zelnik, Human Dimensions and Interior Spaces, Whitney Library New York
5. Phillis Sleen Allen, Beginning of Interior Environment, New York
6. Shirish Bapat, Basic Design of Anthropometry, Bela books Publishers
7. Shirish Bapat 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, 2

403 Interior Services- 4

Credits: 3
Teaching Hours: Lectures: 16 periods of 1 hour each Studio: 32 periods of 1 hour each
Sessional Marks: Internal: 50 External (Viva-Voce): -----
Examination: Theory paper of 2 hours duration for 50 marks with 40% passing marks.

Objective

In this semester the learner will be introduced to the principles of lighting, heating, ventilation and conditioning of air as applicable interior spaces.

Contents

- Illumination standards and artificial lighting design and lighting power density.
- Day light integrated lighting systems, timers and sensors.
- Different types of illuminations.
- Study of lighting fixtures and fittings used in interior spaces, special lighting systems for malls or displays.
- Provisions of standards and energy codes related to interior electrical services.
- Automation in lighting industry

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.

Faculty ratio

One teacher per batch.

REFERENCES:

1. John.F. Pile, Interior Design, 2nd edition, illustrated, H.N.Abrams, 1995.
2. Wanda jankowski, Lighting : In Architecture and Interior Design, pbc intl, 1995.
3. Moore Fuller, Concepts and practice of Architectural Day lighting, Van Nostrand Reinhold co., New York, 1985.
4. David Egan. M. Concepts in Architecturallighting Mcgraw Hill Book company, New York, 1983.

404 Communication Skills - 4

Credits: 2
Teaching Hours: Lectures: 32 periods of 1 hour each Studio: -----
Sessional Marks: Internal: 50 External (Viva-Voce): -----

Objective

To develop in learner skills of critical appreciation and analysis of design, sharpen convincing skills oratory skills and develop effective communication skills in context to interior design profession.

Contents

- Designing message outline – organizing ideas determining the general and specific purpose of communication implementing principal of written communication messages , analyzing the recover of written messages , context etc .
- Writing topic: sentences paragraph function paragraph summary, information text etc.
- Drafting report: Shorts reports concepts and contents of long reports effective sentence construction, punctuation, and presentation of the text.
- Developing public speaking skills.

Evaluation

Continuous assessment of sessional work may consist of project work, sketch books, power point presentations etc.

Faculty ratio

One teacher per batch.

Reference Books:

1. Write better, speak better (Reader's digest Publication)
2. Building your Vocabulary – John G. Gilmartin
3. Instant Vocabulary – Gopal K. Puri.
4. Contemporary English Grammer, Structure & Composition. David Green (Macmillan & Co Ltd.)
5. Tiger's Eye – Alan Mc Connell Duff. (Oxford University Press)
6. J. D. O. Connor UBS Better English Pronunciation.
7. Dianna Booher – Ewriting - 21st century Tools for effective communication pocket books.Sinon & Schuster inc. JSBN – O 7434- 1258-3
8. Ashi Hi Inragi (Marathi) Prof. N. D. Apte Rajhans Prakashan Pune.
9. Osborn Michael/ Osborn Suzane. Public Speaking, Biztantra, New Delhi.
10. Durodula Sahrolyn P. Learn Reading- Anmol Publications Pvt. Ltd., New Delhi.
11. Narula Uma, Business Communication Practices- Modern Trends, Atlantic Publishing, House, Mumbai.
12. Kumar Keval. J, Mass Communication In India, Jaico Publishing House, Mumbai.
13. Information and Communication Technology by Abdul Mannan Himalaya Publishing, House, Mumbai.

405 Interior Drawings & Representation Skills-4

Credits: 4

Teaching Hours: Lectures: -----

Studio: 64 periods of 1 hour each

Sessional Marks: Internal: 50

External (Viva-Voce): -----

Objective

In this semester the learner will learn actual application of all the software, learned so far, viz Architectural Desktop, Revit, Archicad etc. including 3D modeling (creating shades and shadows, attaching materials and rendering), CAD customization for specific project or presentations of all the subjects.

Learner will be required to apply all the above skills learned during this semester on the design assignments prepared in the previous / current semester and present it for assessment.

Contents

- Software applications
- Plotting techniques

Evaluation

Continuous assessment of sessional work may consist of application of various skills learned during the semester on the previous / current semester design portfolio.

Faculty ratio

One teacher for Thirty students.

406 Interior Professional Practices -1

Credits: 3

Teaching Hours: Lectures: 48 periods of 1 hour each

Studio: -----

Sessional Marks: Internal: -----

External : -----

Examination: Theory paper of 2 hours duration for 50 marks with 40% passing marks.

Objective

In this semester the learner will be equipped with knowledge and skills needed such as estimating, costing, analyzing rates and processes of tendering for practicing profession of Interior Architecture.

Contents

ESTIMATING, COSTING AND ANALYSING RATES

(To be taught as consulting interior designer and not as a turnkey.)

- Introduction to concept of estimation, costing and rate analysis. Need for estimating, costing and rate analysis.
- Components of estimation, costing and analyzing rates (drawings and specifications, units and modes of measurements, work output, material and labour cost, contingencies, professional fees, indirect costs etc.
- Methods of estimating (lump-sum, work specific, item rate etc.); costing (percentage basis, item rate basis etc) and rate analysis (item rate basis).

Note: Students are also expected to visit exhibitions, material manufacturers units, ongoing interior sites, attend seminars and presentations of consultants and vendors related to interior profession.

Faculty ratio

One teacher per thirty students.

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.

407 Elective-1

Credits: 3

Teaching Hours: Lectures: -----

Studio: 48 periods of 1 hour each

Sessional Marks: Internal: 50

External (Viva-Voce): -----

Contents

The topic for elective courses shall be developed by individual colleges based on the current trends in the practice and availability of resource persons. However, few topics are suggested for the elective course.

1. Interior Lighting
2. Interior Landscape
3. Sustainable Interior
4. Set Design
5. Interior Project Management
6. Furniture Design
7. Product Design

Note: Continuous assessment of sessional work may consist of project work, sketch books, power point presentations, market surveys, research work etc.

Faculty ratio

One teacher per elective batch.

408 Interior Working Drawing -1

Credits: 4
Teaching Hours: Lectures: 16 periods of 1 hour each Studio: 48 periods of 1 hour each
Sessional Marks: Internal: 50 External (Viva-voce): 50

Objective

In this semester the learner is expected to prepare working drawing and details of Residential 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. Dining Table with Chair in wood.
2. Study table
3. Shoe rack with louvers.
4. Double Bed with head board and Side Tables in plywood and wood.
5. His and Her wardrobe in plywood as basic material.
6. Wall unit / Partition divider
7. Built-in Kitchen Platform / platform shutters / trolleys.
8. Staircase railing in metal or glass.
9. In-house hydraulic lift up to two persons.

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

Faculty ratio

One teacher per ten students.

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

Semester-V

501 Interior Design Dissertation-1

Credits: 8
Teaching Hours: Lectures: ----- Studio: 128 periods of 1 hour each
Sessional Marks: Internal: 100 External (Viva-voce): 200

Objective

In this semester the learner should have a focused individualistic approach towards design as per the brief finalized in consultation with the guide resulting in professionally satisfying presentation of the design that would put to test the individual strength and caliber of the learner. The student has a complete choice for selection of a subject & site. The scale shall be more or less standard for all the students.

Evaluation

Continuous assessment of sessional work may consist of design developments at various stages indicating the above in the given time frame as set by the guide/subject coordinator.

At the end of the Semester each learner is required to submit the final finished, rendered drawings to suitable scale with related detailing supplemented with concise Detailed Project Report (40-70 pages, all certified by the guide/subject coordinator and Principal which may be presented for final Viva-voce examination.

Faculty ratio

One teacher per Eight students.

502 Interior Working drawing - 2

Credits: 5

Teaching Hours: Lectures: 16 periods of 1 hour each Studio: 64 periods of 1 hour each

Sessional Marks: Internal: 50 External (Viva-voce): 50

Objective

In this semester the learner is expected to prepare working drawing and details of Residential 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.

Objective

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

1. Executive Desk with side / back credenza.
2. Reception Counter
3. Conference Table
4. Shop front / Show window
5. Bank Counter/Ticket booking Counter
6. Bar Counter/Pantry Counter
7. Modular furniture systems
8. Furniture for differently abled

Evaluation

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

Faculty ratio

One teacher per ten students.

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

503 Interior Services-5

Credits: 4

Teaching Hours: Lectures: 1 periods of 1 hour each Studio: 48 periods of 1 hour each

Sessional Marks: Internal: 50 External (Viva-Voce): 50

Objective

In this semester the learner is expected to understand the basic planning and working the following

- Interior small Lifts
- Conveyer Belts
- Escalators

Contents

Introduction to the principles of communication, safety and security systems as applicable to interior spaces. They will be dealt with the following topics in detail:-

- Types of communication- data, telephone systems and their usage and application, server rooms.
- 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

Sessional work may include application of above knowledge on their previous / current semester design.

Evaluation

Continuous assessment of sessional work may consist of project work, case studies, research, power point presentations etc.

Faculty ratio

One teacher per batch.

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.

504 Research & Methodology

Credits: 2

Teaching Hours: Lectures: 32 periods of 1 hour each Studio: -----

Sessional Marks: Internal: 50 External (Viva-voce): -----

Objective

The study of the subject aims to understand the fundamentals of theoretical aspects of studying interior spaces based on varying situations and conditions as part of research, with reference to its objectives and its essential methodologies. Learner should be able to do documentation and data collection, critical analysis and evaluation. To develop an attitude for Critical Thinking and various aspects to study and analyze, Assessment, dispositions, skills and abilities and obstacles or barriers to critical thought.

Evaluation

Continuous assessment of sessional work may consist of project work which will assist the learner in the preparation of his/her Design Dissertation Report.

Faculty ratio

One teacher per batch.

505 Interior Drawings & Representation Skills-5

Credits: 4

Teaching Hours: Lectures: -----

Sessional Marks: Internal: 50

Studio: 64 periods of 1 hour each

External (Viva-voce): -----

Objective

COMPUTER AIDED DRAFTING

In this semester the learner will learn actual application of all the software, learned so far, viz Architectural Desktop, Revit, Archicad etc. including 3D modeling (creating shades and shadows, attaching materials and rendering), CAD customization for specific project or presentations of all the subjects.

Contents

- Software applications
- Plotting techniques

Learner will be required to apply all the above skills learned during this semester on the design assignments prepared in the previous / current semester and present it for assessment.

Evaluation

Continuous assessment of sessional work may consist of application of various skills learned during the semester on the previous / current semester design portfolio.

Faculty ratio

One teacher per Thirty students.

506 Interior Professional Practice-2

Credits: 4

Teaching Hours: Lectures: 64 periods of 1 hour each Studio: -----

Sessional Marks: Internal: ----- External (Viva-voce) : -----

Examination: Theory paper of 2 hours duration for 50 marks with 40% passing marks.

Objective

In this semester the learner will be equipped with knowledge and skills needed such as management of office along with current practices, codes of conduct required to enhance skills and techniques of managing small and large scale residential and commercial interior projects.

Contents

TENDER AND TENDERING

- Introduction, definitions and Tender types.
- Tendering Procedure: Tender document preparation, types of invitation (public notice, private invitation and negotiation), floating of tender, opening and award of tender.
- Aspects of Tender: Units of measurement and modes of measurements; specifications of raw material (introduction only), schedule writing.
- Contents of Tender Document: Undertaking from contractor, prequalification of tender, general and special conditions of tender, bill of quantities, general specifications, material specification, special specification, set of working drawings.
- Contractual Procedures: Work order letter and acceptance letter, Interim bills and final bills, bills certifications.

CAREER OPPORTUNITIES AND PROFESSIONAL ETHICS

- 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.

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, Gantt Chart, PERT / CPM.

Students are also expected to visit exhibitions, material manufacturers units, ongoing interior sites, attend seminars and presentations of consultants and vendors related to interior profession.

Faculty ratio

One teacher per thirty students.

REFERENCES:

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

507 Elective-2

Credits:	3	
Teaching Hours:	Lectures: -----	Studio: 48 periods of 1 hour each
Sessional Marks:	Internal: 50	External (Viva-Voce): -----

Contents

The topic for elective courses shall be developed by individual colleges based on the current trends in the practice and availability of resource persons. However, few topics are suggested for the elective course.

1. Interior Lighting
2. Interior Landscape
3. Sustainable Interior
4. Interior Project Management
5. Set Design
6. Furniture Design
7. Product Design

Faculty ratio

Continuous assessment of sessional work may consist of project work, sketch books, power point presentations, market surveys, research work etc

Faculty ratio

One teacher per elective batch.

Semester-VI

601 Interior Professional Practice

Credits: 16
Teaching Hours: Lectures: ----- Studio: -----
Sessional Marks: Internal: ----- External (Viva-Voce): 200

Professional Training: (16-18 weeks duration)

During this semester the learner will have to undergo training outside the institute, in such offices / organizations which will give the learner the necessary opportunity to improve and consolidate his/her knowledge in the interior design profession.

During the practical training period the learner is expected to work in accordance with the discipline of the organization and will have to make progress which will be carefully monitored by the institution. The learner will have to submit the detailed report of the experience gained during the professional training.

Logbooks will have to be maintained by the learner and counter signed by the Head of the organization and also by the professor in-charge.

Pro-forma for Professional Training

Academic Year:-

Name of the Student:-

Name of the Organization with address:-

Registration Details (if any):-

Date of Joining:-

Date of Leaving:-

Employers Report:- Brief details of the experience gained by the student stating the nature of work.

Signature of Employer

Signature of the Professor In-Charge

EVALUATION

At the end of the training period, a viva-voce would be conducted on:

1. The experience and the knowledge gained during the period of training.
2. Overall knowledge in the subject of tenders, specifications and rate analysis.

**REGULATIONS OF BACHELOR OF VOCATION
(INTERIOR DESIGN)
SEMESTER I TO VI (3 YEAR DEGREE PROGRAMME WITH MULTIPLE EXIT POINTS)**

**BACHELOR OF VOCATION (INTERIOR DESIGN)
SEMESTER-I**

Bachelor of Vocation (Interior Design) Semester-I examination

A candidate will be examined in the courses prescribed in the scheme of examination for Semester-I of Bachelor of Vocation (Interior Design) which will be conducted by the College affiliated to the University of Mumbai.

R..... A candidate for being eligible for appearing to the theory examination of Semester-I of the Bachelor of Vocation (Interior Design) programme-

- a) Must have kept 75% attendance for Semester-I of the Bachelor of Vocation (Interior Design) degree programme affiliated to the University of Mumbai.
- b) Must have passed internal heads of passing for the courses of Semester-I for which Viva-Voce examinations are to be conducted.

**BACHELOR OF VOCATION (INTERIOR DESIGN)
SEMESTER-II**

R.....Admission to Semester-II of the Bachelor of Vocation (Interior Design) Programme

A candidate for being eligible for admission to the Semester-II of the Bachelor of Vocation (Interior Design) degree programme of the University of Mumbai-

- a) Must have kept 75% attendance for Semester-I of the Bachelor of Vocation (Interior Design) degree programme affiliated to the University of Mumbai.

Bachelor of Vocation (Interior Design) Semester-II examination

A candidate will be examined in the courses prescribed in the scheme of examination for Semester-II of Bachelor of Vocation (Interior Design) programme which will be conducted by the College affiliated to the University of Mumbai.

R..... A candidate for being eligible for appearing to the examination of Semester-II examination of the Bachelor of Vocation (Interior Design) programme,

- a) Must have kept 75% attendance for Semester-II of the Bachelor of Vocation (Interior Design) degree programme affiliated to the University of Mumbai.
- b) Must have passed internal heads of passing for the courses of Semester-II for which Viva-Voce examinations are to be conducted.

**AT THE END OF FIRST YEAR UPON SUCCESSFUL COMPLETION OF SEMESTER-I AND II
STUDENTS WILL BE AWARDED DIPLOMA (INTERIOR DESIGN)**

**BACHELOR OF VOCATION (INTERIOR DESIGN)
SEMESTER-III**

R.....Admission to Semester-III of the Bachelor of Vocation (Interior Design) Programme

A candidate for being eligible for admission to the Semester-III of the Bachelor of Vocation (Interior Design) degree programme of the University of Mumbai-

- a) Must have kept 75% attendance for Semester-II of the Bachelor of Vocation (Interior Design) degree programme affiliated to the University of Mumbai.

b) Must have passed Semester-I

Bachelor of Vocation (Interior Design) Semester-III examination

A candidate will be examined in the courses prescribed in the scheme of examination for Semester-III of Bachelor of Vocation (Interior Design) programme which will be conducted by the College affiliated to the University of Mumbai.

R..... A candidate for being eligible for appearing to the theory examination of Semester-II of the Bachelor of Vocation (Interior Design) programme,

a) Must have kept 75% attendance for Semester-III of the Bachelor of Vocation (Interior Design) degree programme affiliated to the University of Mumbai.

BACHELOR OF VOCATION (INTERIOR DESIGN) SEMESTER-IV

R.....Admission to Semester-IV of the Bachelor of Vocation (Interior Design) Programme

A candidate for being eligible for admission to the Semester-IV of the Bachelor of Vocation (Interior Design) degree programme of the University of Mumbai-

a) Must have kept 75% attendance for Semester-III of the Bachelor of Vocation (Interior Design) degree programme affiliated to the University of Mumbai.

b) Must have passed Semester-II

Bachelor of Vocation (Interior Design) Semester-IV examination

A candidate will be examined in the courses prescribed in the scheme of examination for Semester-IV of Bachelor of Vocation (Interior Design) programme which will be conducted by the College affiliated to the University of Mumbai.

R..... A candidate for being eligible for appearing to the Viva-Voce examination of Semester-IV examination of the Bachelor of Vocation (Interior Design) programme,

a) Must have kept 75% attendance for Semester-IV of the Bachelor of Vocation (Interior Design) degree programme affiliated to the University of Mumbai.

b) Must have passed internal heads for the courses of Semester-IV for which Viva-Voce examinations are to be conducted.

AT THE END OF SECOND YEAR UPON SUCCESSFUL COMPLETION OF SEMESTER-III AND IV STUDENTS WILL BE AWARDED ADVANCE DIPLOMA (INTERIOR DESIGN)

BACHELOR OF VOCATION (INTERIOR DESIGN) SEMESTER-V

R.....Admission to Semester-V of the Bachelor of Vocation (Interior Design) Programme

A candidate for being eligible for admission to the Semester-V of the Bachelor of Vocation (Interior design) degree programme of the University of Mumbai-

a) Must have kept 75% attendance for Semester-IV of the Bachelor of Vocation (Interior Design) degree programme affiliated to the University of Mumbai.

b) Must have passed Semester-III

Bachelor of Vocation (Interior Design) Semester-V examination

A candidate will be examined in the courses prescribed in the scheme of examination for Semester-V of Bachelor of Vocation (Interior Design) programme which will be conducted by the University of Mumbai.

R..... A candidate for being eligible for appearing to the theory examination of Semester-V of the Bachelor of Vocation (Interior design) programme,

a) Must have kept 75% attendance for Semester-V of the Bachelor of Vocation (Interior Design) degree programme affiliated to the University of Mumbai.

- b) Must have passed all internal heads of Semester-IV
- c) Must have passed Semester-III examinations conducted by the college.

R..... A candidate for being eligible for appearing to the Viva Voce examination of Semester-V of the Bachelor of Vocation (Interior Design) programme,

- a) Must have kept 75% attendance for Semester-V of the Bachelor of Vocation (Interior Design) degree programme affiliated to the University of Mumbai.
- b) Must have passed all internal heads of Semester-IV
- c) Must have passed Semester-III examinations conducted by the college.
- d) Must have passed internal heads of passing for the courses of Semester-V for which Viva-Voce examinations are to be conducted.

BACHELOR OF VOCATION (INTERIOR DESIGN) SEMESTER-VI

R.....Admission to Semester-VI Professional Practice Training of the Bachelor of Vocation (Interior Design) Programme

A candidate for being eligible for admission to the Semester-VI of the Bachelor of Vocation (Interior design) degree programme of the University of Mumbai-

- a) Must have kept 75% attendance for Semester-V of the Bachelor of Vocation (Interior Design) degree programme affiliated to the University of Mumbai.
- b) Must have passed Semester-IV.

Bachelor of Vocation (Interior Design) Semester-VI examination

A candidate will be examined in the courses prescribed in the scheme of examination for Semester-VI of Bachelor of Vocation (Interior Design) programme which will be conducted by the University of Mumbai.

R..... A candidate for being eligible for appearing to the Viva-Voce examination of Semester-VI examination of the Bachelor of Vocation (Interior Design) programme,

- a) Must have completed stipulated 16-18 weeks of professional training of the Bachelor of Vocation (Interior Design) degree programme affiliated to the University of Mumbai.
- b) Must have passed all five Semesters.

AT THE END OF THIRD YEAR UPON SUCCESSFUL COMPLETION OF SEMESTER-V AND VI STUDENTS WILL BE AWARDED BACHELOR OF VOCATION (INTERIOR DESIGN)