



VRINDAWAN UNIVERSITY

SYLLABUS FOR

2023-24

Diploma in Interior Design (DID)

DIPLOMA IN INTERIOR DESIGNING

SEMESTER – I

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

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

❖ **OBJECTIVES:-**

A). MATERIALS IN INTERIORS:-

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

B) SERVICES IN INTERIORS:-

- To gain knowledge about electricity and plumbing services.

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

REFERENCES:-

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

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

❖ **OBJECTIVES:-**

- To study the basics of furniture construction.

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

REFERENCES:-

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

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

❖ **OBJECTIVES:-**

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

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

REFERENCES:-

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

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

❖ **OBJECTIVES:-**

- To conceptualize and design a large residential projects.

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

REFERENCES:-

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

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

❖ **OBJECTIVES:-**

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

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

REFERENCES:-

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

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

❖ **OBJECTIVES:-**

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

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

REFERENCES:-

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

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

❖ **OBJECTIVES:-**

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

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

EVALUATION:

All subjects will be evaluated through

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

DIPLOMA IN INTERIOR DESIGNING

SEMESTER II

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

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

❖ **OBJECTIVES:-**

HISTORY OF FURNITURE:-

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

SERVICES IN INTERIORS:-

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

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

REFERENCES:-

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

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

❖ **OBJECTIVES:-**

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

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

REFERENCES:-

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

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

❖ **OBJECTIVES:-**

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

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

REFERENCES:-

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

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

❖ **OBJECTIVES:-**

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

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

REFERENCES:-

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

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

OBJECTIVES:-

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

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

REFERENCES:-

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

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

OBJECTIVES:-

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

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

REFERENCES:-

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

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

❖ **OBJECTIVES:-**

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

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

EVALUATION:

All subjects will be evaluated through

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

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

❖ **JOB OPPORTUNITIES:-**

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

❖ **Scheme of Examination:-**

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

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

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

Theory:

Internal assessment 40%

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

Semester end theory examination: 60%

(Theory Exam will be of 2hr duration.)

Theory Question Paper Pattern:

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

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

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

Practicals:

Internal assessment 40%

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

Semester end examination: 60%

(Practical Exam will be of 3hr. duration)

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