

COURSE NAME : DIPLOMA IN INTERIOR DESIGNING AND DECORATION
COURSE CODE : ID / IN
YEAR : FIRST
SUBJECT TITLE : COMMUNICATION & PERSONALITY SKILLS
SUBJECT CODE : 23024

TEACHING AND EXAMINATION SCHEME:

TEACHING SCHEME			EXAMINATION SCHEME					
TH	TU	PR	PAPER HRS.	TH	PR	OR	TW	TOTAL
01	--	02	--	--	--	25#	25@	50

RATIONALE

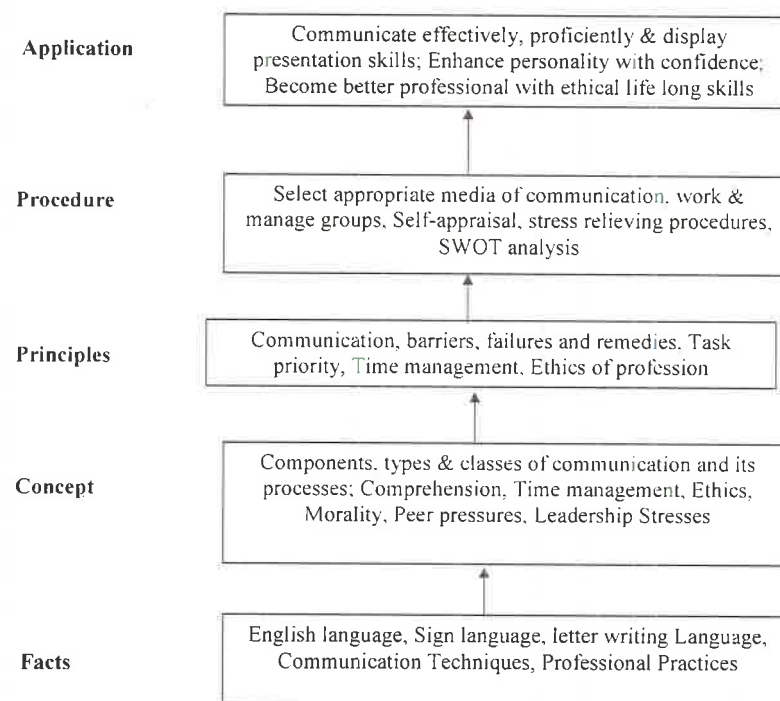
The subject intends to enhance Verbal and Non-verbal Communication Skills of students with an intention to improve the language and conversational ability through different media such as face to face, presentations, written, graphic, audio etc. It aims at making students understand how the different types and forms of communication are suited and selected for differing situations.

The student also needs to learn personality enhancement to manage tasks and to become successful in life. It includes self-appraisal; ability to form correct and effective group or team; manage successfully and in time; and use ethical principles.

OBJECTIVES

The student will be able to:

1. Understand concepts, principles, procedures and components of communication; interpret reasons of communication failure and source respective remedies.
2. Classify communication and select appropriate media; draft business letters and reports pertinent to interior designing profession.
3. Work in groups and teams; demonstrate leadership quality; make use of group skills to achieve goals.
4. Minimize stress level and work in harmony; Understand frustration and take appropriate action.
5. Enhance personality, learn self-grooming, and carry out self-appraisal.

**LEARNING STRUCTURE**

DETAILED CONTENTS

CHAPTER	CONTENTS	HOURS
1	<p>Communication Skills Definition of communication: Process of communication - Defining context, Knowing audience, Designing message, Encoding, Selecting proper channel, Transmitting, Receiving, Decoding and Feedback, Scope of communication and personality skill in interior designing and decoration field. Areas of communication in Interior design and decoration field. Elements of communication - Sender, Receiver, Message, Channel, Feedback & Context Various people and agencies in interior designing profession to communicate with like civil engineer, Architect, contractors, mason, carpenter, plumber, decorators. Principles of communication - Definition, Purpose, 7Cs, Effective messaging, Vocabulary related to aesthetic and jargons related to architecture and engineering. Effective Communication and barriers. Types of communication - Formal, Informal, Forms of communication - Verbal, Non-Verbal & Written ; Direction of communication - Lateral, Vertical [upward/downward], Diagonal; Different media of communication - Audio, Video, Graphic, Written, Print, Electronic The scope and importance of English in interior designing study and profession. Types of communication related to interior designing.</p>	06
2	<p>Voice Culture & Body language Introduction to voice culture - Designing messages, preparation, practice and presentation of written and graphic contents ; International phonetic script. Various types of Verbal communication viz. telephonic conversations, counselling, suggesting, requests, orders, presentations, public speaking and seminars. Aspects of speech - tone, emphasis, pitch, volume, pauses, undulations, timbre, Presentation skills for an individual and in a group Codes of communication - Body language - Kinesics- eye contact, gesture, posture, body movements & facial expression; Proxemics - Using space, Physical Appearance; Haptics- touch; Chronemics - managing time. Artefacts -environment & objects Use of body language during presentations, seminars, meetings, conferences, conventions and interviews. These types of nonverbal codes are to be presented with practical application in informal verbal presentations. Using combination of non-verbal and verbal communication and interpreting visuals - tables, graphs, charts for formal presentation related to interior study like construction of furniture, ceiling, mezzanine floor, decorative articles</p>	06
3	<p>Presentation Skills Introduction of topic and suitable Language for presentations.</p>	06

CHAPTER	CONTENTS	HOURS
	<p>Designing message outline - Organizing ideas, determining the general and specific purpose of communication, analysing the written messages, context and scope. Ways of writing topic sentences, paragraphs, function paragraphs, summary, information text .Note making, precise and editing the text. Drafting reports - short reports, concept and contents of long reports, effective sentence construction, punctuation and presentation of the text. Monthly and annual report presentation. How to write effective emails. Spoken English: Introducing yourself , formally greeting someone, giving directions to a place.</p>	
4	<p>Debate and Groups Discussions Groups - Introduction, formation, thought, pitfalls, dynamics; Teams - Types, team building, problem of resistance, stuck teams, difference between team and group. Team work in profession. Group communication and meetings (cooperation & collaboration); Leadership (Society, Structure, changes in society & interpersonal relations.) Topics for discussion. Language used in group discussions. Leadership and decision making. Practical inputs in social causes like public disclaimers, counselling, personal views about social mores and norms. Some group activities could be involved for the social participation by the students like, tree plantation, visit to an orphanage/ old age homes, clean city workshops, pollution free environment activities, watershed management, decoration and maintenance of public places and gardens etc. this will help students to learn duties and responsibilities towards our society.</p>	04
5	<p>Manners & Etiquettes, Grooming & Confidence Building Interpersonal skills - Conflict, resolution, transactional analysis, Defence mechanism for Frustration; Personality-analysis; Stress - stress in group work, controlling emotions; Practical session on stress management - meditation, yoga, gym activity, nature walk and music therapy. Social behaviour-etiquettes and mannerism, Dining Etiquette, Four magical words: Please, Excuse me, Thank you, Sorry. Office decorum - general code of conduct and social behaviour.</p>	06
6	<p>Time Management and Success Mantra Punctuality, Self-Discipline, Delegation of work, Precision, Maintenance of Database, Prioritisation, Systemization and Standardization; SWOT analysis (Concept & process) Goal Setting. Time loss and utility.</p>	04
TOTAL		32



SKILLS TO BE DEVELOPED**INTELLECTUAL SKILLS**

- Understanding the situations, Improving vocabulary

MOTOR SKILLS

- Presentation and Public Speaking

LIST OF PRACTICAL/ASSIGNMENTS

To be carried out in neatly hand-written or typed (Preferably computer typing), well composed and in individual write-ups presented at the end in a single, well composed booklet form.

SR. NO.	DESCRIPTION	HOURS
Prepare in Graphical and Print media form		
1	Description - elements, principles, types & barriers in communication.	04
2	Communication process in relation to interior designing profession.	04
3	Overall observations and details of visit to site/factory/exhibition with diagrams, pictures and explanations relevant to interior design.	06
4	Case study :- Visit to residential/ commercial site for technical and communicative explanations to be done by the students.	04
5	Book review of any interior works from interior designing magazine.	04
6	Critical review of interior work carried out by any professional interior designer.	04
7	SWOT analysis	04
8	Self-appraisal including personal grooming, confidence building	04
Collecting, recording and presenting information in verbal form through		
9	Individual presentation of interior design work in classroom	06
10	Individual presentation of interior design work in front of jury	06
11	Group seminar on any relevant interior trend & style	06
12	Debate on any topic related to interior design	06
Practical Session on Stress Management		
13	Meditation, yoga, gym/sport activity, nature walk and music therapy	06
TOTAL		64

NOTES

External examiner to conduct the orals giving proportionate weightage to: -a. communication ability, b. value & depth of content, c. manners & etiquettes exhibited, and d. overall professional attitude of the student displayed through appearance & presentation of the practical assignments in booklet form.

Assessment of the term work is to be carried out continually by the subject teacher giving similar weightage as above.

SUGGESTED LEARNING RESOURCES

SR. NO.	TITLE	AUTHOR	PUBLICATION
1	Learning to learn	K K Nelson, F Dubor	Allyn & Bacon
2	Basic Managerial Skills for all	E. H. McGrath	Prentice hall of India
3	Independent Study Techniques	P D Kulkarni & B B Sharma	TTTI, Chandigarh
4	101 Ways to Better Communication	Elizabeth Hierney	Kogan Page
5	Communication Skills	Malvika Nagarkar	MSBTE
6	English Grammar	Wren & Martin	Chand Books
7	Human Communication	Burgoon Michael	London: Sage Pub
9	A Communicative grammar of English	G Leech & Jan Svartvik	ELBS
10	Technical writing and Professional communication	Thomas Huckin & Leslie Olson	London William Collins & Sons Co.
11	Business English & Communication	Lyn Clark & Zimmer	New York Mcgraw Hill
12	Excellence in Business communication	John Thill & Courtland	New York Mcgraw Hill
13	Spoken English for India	R K Bansal & J B Harrison	New York: Mcgraw Hill
14	Better English Pronunciation	J D O'Conner	N Delhi: Orient Longman
15	Organizational Behaviour	Fred Luthans	McGraw Hills
16	Basic Managerial Skills for all	E H Megram	Prentice Hall of India
17	Team Building	Glenn Parker	Viva Books Pvt Ltd
18	Leadership Training	Elizabeth M Christopher	Viva Books Pvt Ltd

SUGGESTED E-LEARNING RESOURCES

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

DETAILED CONTENTS

CHAPTER	CONTENTS	HOURS
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2	<p>Voice Culture & Body language Introduction to voice culture - Designing messages, preparation, practice and presentation of written and graphic contents ; International phonetic script. Various types of Verbal communication viz, telephonic conversations, counselling, suggesting, requests, orders, presentations, public speaking and seminars. Aspects of speech - tone, emphasis, pitch, volume, pauses, undulations, timbre, Presentation skills for an individual and in a group Codes of communication - Body language - Kinesics- eye contact, gesture, posture, body movements & facial expression; Proxemics - Using space, Physical Appearance; Haptics- touch; Chronemics - managing time. Artefacts -environment & objects Use of body language during presentations, seminars, meetings, conferences, conventions and interviews. These types of nonverbal codes are to be presented with practical application in informal verbal presentations. Using combination of non-verbal and verbal communication and interpreting visuals - tables, graphs, charts for formal presentation related to interior study like construction of furniture, ceiling, mezzanine floor, decorative articles</p>	06
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4	<p>Debate and Groups Discussions Groups - Introduction, formation, thought, pitfalls, dynamics; Teams - Types, team building, problem of resistance, stuck teams, difference between team and group. Team work in profession. Group communication and meetings (cooperation & collaboration); Leadership (Society, Structure, changes in society & interpersonal relations.) Topics for discussion. Language used in group discussions. Leadership and decision making. Practical inputs in social causes like public disclaimers, counselling, personal views about social mores and norms. Some group activities could be involved for the social participation by the students like, tree plantation, visit to an orphanage/ old age homes, clean city workshops, pollution free environment activities, watershed management, decoration and maintenance of public places and gardens etc. this will help students to learn duties and responsibilities towards our society.</p>	04
5	<p>Manners & Etiquettes, Grooming & Confidence Building Interpersonal skills - Conflict, resolution, transactional analysis, Defence mechanism for Frustration; Personality-analysis; Stress - stress in group work, controlling emotions; Practical session on stress management - meditation, yoga, gym activity, nature walk and music therapy. Social behaviour-etiquettes and mannerism, Dining Etiquette, Four magical words: Please, Excuse me, Thank you, Sorry. Office decorum - general code of conduct and social behaviour.</p>	06
6	<p>Time Management and Success Mantra Punctuality, Self-Discipline, Delegation of work, Precision, Maintenance of Database, Prioritisation, Systemization and Standardization; SWOT analysis (Concept & process) Goal Setting. Time loss and utility.</p>	04
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SKILLS TO BE DEVELOPED**INTELLECTUAL SKILLS**

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LIST OF PRACTICAL/ASSIGNMENTS

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SR. NO.	DESCRIPTION	HOURS
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5	Book review of any interior works from interior designing magazine.	04
6	Critical review of interior work carried out by any professional interior designer.	04
7	SWOT analysis	04
8	Self-appraisal including personal grooming, confidence building	04
Collecting, recording and presenting information in verbal form through		
9	Individual presentation of interior design work in classroom	06
10	Individual presentation of interior design work in front of jury	06
11	Group seminar on any relevant interior trend & style	06
12	Debate on any topic related to interior design	06
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NOTES

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SUGGESTED LEARNING RESOURCES

SR. NO.	TITLE	AUTHOR	PUBLICATION
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SUGGESTED E-LEARNING RESOURCES

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



COURSE NAME : DIPLOMA IN INTERIOR DESIGNING AND DECORATION
COURSE CODE : ID / IN
YEAR : FIRST
SUBJECT TITLE : PARALINE & PERSPECTIVE PROJECTIONS
SUBJECT CODE : 23025

TEACHING AND EXAMINATION SCHEME

TEACHING SCHEME			EXAMINATION SCHEME					
TH	TU	PR	PAPER HRS.	TH	PR	OR	TW	TOTAL
01	--	03	--	--	--	--	100@	100

RATIONALE

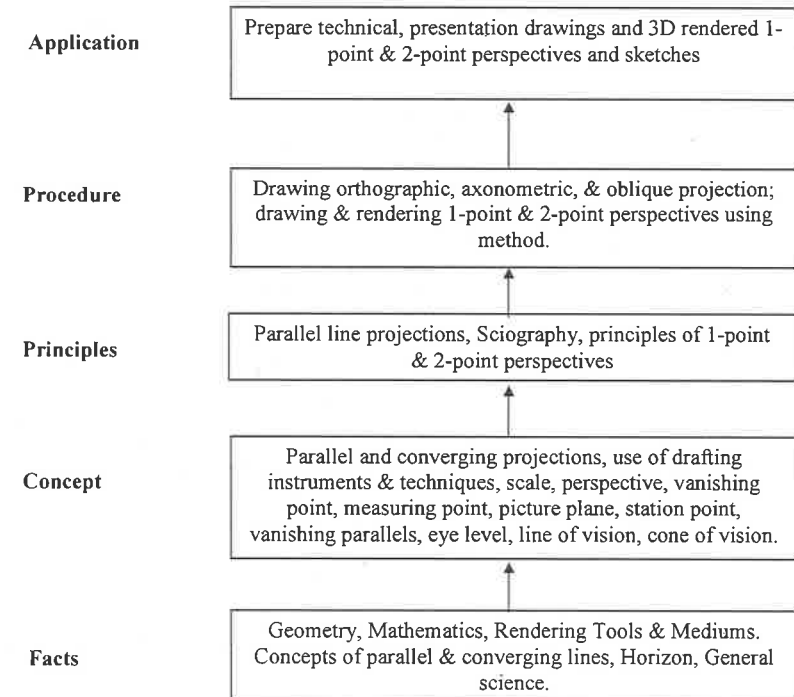
The students learn the graphical language that is used extensively in communicating design thought; constructional methods and techniques in the form of presentation and technical drawings to a definite proportion and scale by using Paraline Projections and 3-D views using Perspective Projections. It also intends to equip the students in communicating with clients, consultants and contractors in the profession, to visualize the sketch in an effective manner.

OBJECTIVES

The student will be able to:

1. Use drafting instruments, develop drafting skills; use graphical language & lettering techniques; and learn the use of scale and its importance.
2. Represent 3-D objects in 2-D & 3-D views using parallel lines and converging lines.
3. Graphically represent annotations, symbols, colour, shades and shadows of objects.
4. Prepare technical and presentation drawings.
5. Represent 2D and 3D sketches of objects, furniture and rooms

LEARNING STRUCTURE



DETAILED CONTENTS

CHAPTER	CONTENTS	HOURS
1	Basics of Graphical Representation Study of line, shape and form; pattern, texture, weight, gradation & value; material indication, annotation, nomenclature, importance to interpretation of lines and lettering techniques. Principles of representation of volumes, solids and objects using Static & Dynamic Visualisation as well as using Imagery Perception	02
2	Basics of Technical Drawing Study of scales, explanation and use. Study of drafting techniques and use of drafting tools; methodology of representing Lines and Shapes; Scale and Proportion. Principles of parallel line Projection	04
3	Parallel Line Projections Orthographic Projections - Plans, Elevations and Sections; Oblique Projections -Cavalier and Cabinet; Axonometric, Isometric	10
4	Rendering & Presentation Techniques Rendering techniques using Graphite & Colour Pencils, Pen & Ink, Watercolours, Photo colours - 'Fuji', Composites - Inks with water colours, Inks with colour pencils. Study of rendering effects - Sciography, Light, reflection Study of preparing Presentation & Technical Drawings	04
5	Principles of Perspective & Technical methods of drawing perspective Methods of sketching proportionate 2D and 3D of objects, furniture and rooms. Study of picture plane, horizon, standing point, converging (vanishing) lines. Principle of one, two and three major axis convergence to form 1-point, 2-point perspective Technique of drawing 1-point perspective assuming the picture plane in front; behind; & in-between the object - Explained as combination of front & behind Technique of drawing 2-point perspective assuming the picture plane in front; behind; & in-between the object - Explained as combination of front & behind	12
TOTAL		32

SKILLS TO BE DEVELOPED

INTELLECTUAL SKILLS

- Visualizing and drawing 2D and 3D objects

MOTOR SKILLS

- Making use of drafting instruments
- Sketching



LIST OF PRACTICAL/ ASSIGNMENTS

To be carried out to scale on A2 size drawing as per instructions.

SR. NO.	DESCRIPTION	HOURS	NO. OF SHEETS
Prepare in graphical form using any material-media such as pictures, photographs, cuttings, etc. or draw neat and/or proportionate free-hand sketches/pencil drawings of:			
1	Linear/Curvilinear axial orientations & the notional mood, emotion or feelings generated by each; regular/irregular shapes & their perceptive associations; and singular/composite forms & their association with geometric, organic & abstract objects.	05	02
2	Different patterns and textures with variation in terms of weight, gradation and value. Conventional indications for various constructional materials and standard annotations.	05	02
3	Static (one position) and dynamic (different stills in motion about X, Y, Z axis) of volumes and solids (cube, pyramids, prisms, cone).	05	04
4	Oblique, isometric & axonometric views of furniture objects.	09	04
Prepare drawings of the following:			
5	Plans, elevations, section & isometric of 6 furniture objects (different geometric forms).	06	06
6	Fully detailed technical plan & sectional elevations of any interior space including toilets with rendering.	06	02
7	1-point perspectives with relevant block furniture with the condition of Picture plane - a. In front, b. Behind, & c. In between the room.	12	03
8	2-point perspectives with relevant block furniture with the condition of Picture plane - a. In front, b. Behind, & c. In between the room.	12	03
9	1-point perspective using best rendering medium skills acquired by the individual student.	12	03
10	2-point perspective using best rendering medium skills acquired by the individual student.	12	03
11	Assignments on sketches in 3D of different objects, furniture and interior spaces of rooms to be prepared on A3 size sketch book. 1 or 2 sketches per week	09	Minimum 50 sketches
TOTAL		96	32 + sketches

SUGGESTED LEARNING RESOURCES

SR. NO.	TITLE	AUTHOR	PUBLICATION
1	Engineering drawing- Plane & Solid Geometry	N D Bhatt	Charotrar Pub. Anand, Gujrat
2	Interior Graphics and Design Standards	S. C. Rein Koff	Whitney Library, New York
3	The Thames and Hudson Manual of Rendering with pen and ink	Robert W. Gill	Thames & Hudson Ltd. London
4	Interior Perspectives to Architectural Designs	Graphic Shaw	Graphic Shaw
5	A Text Book of perspectives and graphics	Shankar Mulik	Allied Pub. Bombay
6	Perspective Drawing	F D K Ching	--

COURSE NAME : DIPLOMA IN INTERIOR DESIGNING AND DECORATION
COURSE CODE : ID / IN
YEAR : FIRST
SUBJECT TITLE : 2D CADD & 3D MODELLING
SUBJECT CODE : 23026

TEACHING AND EXAMINATION SCHEME:

TEACHING SCHEME			EXAMINATION SCHEME					
TH	TU	PR	PAPER HRS.	TH	PR	OR	TW	TOTAL
01	--	02	--	--	--	--	25@	25

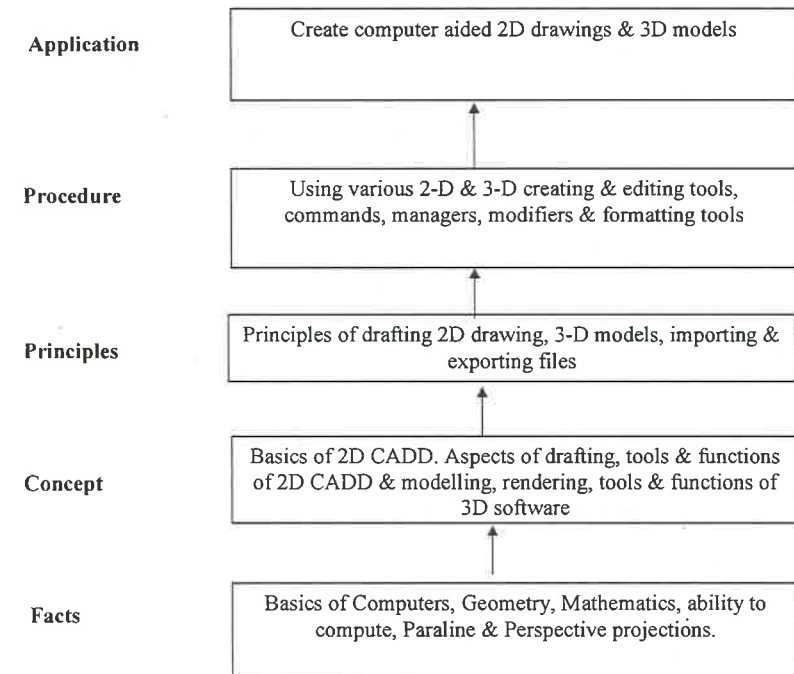
RATIONALE

This subject intends the student to understand the importance of 2D CADD & 3D Modelling for designing, preparing and exchanging drawings. The use of CADD software will increase productivity and lessen rework of drawings thereby saving time.

OBJECTIVES

The student will be able to use:

1. Basic computer interface.
2. 2-D CADD interface, various drafting and editing techniques, and plotting and printing.
3. 3-D interface, basic modelling techniques, application on materials, maps, lights, camera & rendering.

**LEARNING STRUCTURE**

DETAILED CONTENTS

CHAPTER	CONTENTS	HOURS
1	Introduction to Computer Interface Windows interface, left & right click significance; Explorer-creating/deleting folders, saving in folders, managing files creating icons, etc; Introduction to drawing and rendering software; & Introduction to 2D CADD interface.	02
2	Setting up a drawing Units, Limits, Zoom commands, Layer manager & standard, Status bar	05
3	2-D Drafting Techniques Drafting commands <ul style="list-style-type: none"> Line- Line, Construction Line, Polyline, Polygon, Arc, Boundary, Revision Cloud Shape-Polygon, Rectangle, Triangle, Circle, Ellipse, Hexagon Modify command Erase, Copy, Mirror, Offset, Array, Move, Rotate, Scale, Stretch, Hatch, Lengthen, Trim, Extend, Break, Chamfer, Fillet, Explode, make a block, insert block, Table, multiline text. Inquiry toolbar - distance, list, area. Dimensioning Commands - liner, angular, diameter, Continue, Angular. Creating text using text style, text edit. -Formatting text and dimension Application of LAYER command in Interior Design. Layer command with its all sub commands, Line type, Colour, line weight, on/off, freeze, lock/unlock.	05
4	Plotting And Printing: Plot style manager, Using Internet for storing & exchanging drawings	04
5	Introduction To 3-D Interface: Compatibility of units with other CAD software, Importing and linking 2D CAD drawings	02
6	Main toolbar & modelling techniques: Rectangle, Circle, Line, Arc, Paint bucket, Pull/push, Follow me, Rotate, Move, Pan, Zoom, Zoom extend, Eraser, Make component, Offset, Orbit, Polygon, Free hand, Scale, Dimension, Protractor, Text, Axes, 3D text., Section plane., Views (Top, Front, Back, Bottom., Left, Right), Insert component, Hidden geometry, Face style, Edge Style, Shadow & settings, Fog, Layers.	04.
7	Materials & Mapping: Create Material, Use of Texture image, Change opacity, Texture image editing (Size, Colour, Opacity)	03
8	Lights & Camera: Types of light in S.U.Podium (Spot light & Omni light), Intensity & colour of lights, set camera angle (Create Scene), one point perspective, two point perspective, Parallel projection, plugin-S.U.Podium	02

CHAPTER	CONTENTS	HOURS
9	Rendering & Walk Through: Types of rendering (All styles- Assorted, Sketchy edges, Colour sets, Default style, Photo modelling, Podium, Straight line), Saving rendered image, creating scenes, Export file to JPEG & AVI, Export drawing as 2D graphic & 3D model	05
TOTAL		32

SKILLS TO BE DEVELOPED

INTELLECTUAL SKILLS

- Visualizing and drafting 2D and 3D objects with the help of software

MOTOR SKILLS

- Analytical and Computer Aided Drafting

LIST OF PRACTICALS/ASSIGNMENTS

To be carried out in computerised printed format on A-3 size sheets (Landscape orientation)

SR.NO.	DESCRIPTION	HOURS
Design, prepare, render, generate & print		
1	Use of zoom, pan, view, command in a drawing and setting drawing limits.	04
2	Draw basic forms and shapes in CAD (Rectangle, triangle, Circle, Ellipse, pentagon, hexagon)	04
3	Creating plans of various objects and use of modification tools such as erase, copy, move, scale, rotate, trim, extend, array, offset, mirror, break and stretch	04
4	Creating text using text style, text edit, line type, and weight	04
5	Draft plan and elevations of a T.W table.	04
6	Draft plan, sections and elevations of a <ul style="list-style-type: none"> Double bed with storage below, Sofa set Wardrobe T.V unit 	04
7	Make and insert blocks of 3 seater sofa, 2 seater sofa, 2 to 6 sitter dining table, center table, refrigerator, cooking gas, W.C., Kitchen sink, etc. Copy furniture objects from design center and make use of scale command.	04
8	Draft plan, sectional elevations of a 2BHK Flat	04
9	Render the plan, sectional elevations of a 2 BHK Flat.	04
10	Draw 2D basic geometrical forms in 3D.	04
11	Apply materials to the previously modelled furniture objects. (6 to 8 objects).	04
12	Prepare model interiors of a living room, apply materials and assign lights and camera.	04



SR.NO.	DESCRIPTION	HOURS
13	Applying rendering effects to 3D objects and save the images.	04
Prepare a completely formatted portfolio of a design project containing		
14	<ul style="list-style-type: none"> • Furnished plans • Sections • 3D views 	12
TOTAL		64

SUGGESTED LEARNING RESOURCES

SR. NO.	TITLE	AUTHOR	PUBLICATION
1	Mastering Auto cad 2000	George Omura	BPB publication
2	Aotucad for Interior Design and space planning using Autocad 2005	Beverly L. Kirkpatric & James M. Kirkpatric	Pearson Education Inc.,
3	Autocad 2004 Reference guide	Santhi Marappan & others	CADD center
4	Auto Cad 2005 Instant Reference	George Omura B. Robert Callori	BPB Publications
5	Auto Cad 2007 L T	Fred Bery	Wiley
6	Working With AutoCAD	Ajit singh	Tata McGraw Hills
7	Auto CAD 2007 for Engineering & Designing	Sham Titkoo	Dramtas Press, 19/A, Ansari Road, Dariya Ganj, New Delhi

SUGGESTED E-LEARNING RESOURCES

1. <http://www.apache.org>
2. <https://www.autocad360.com/>
3. www.autodesk.in
4. www.cadcorner.ca
5. www.autodesk.com
6. www.cadtutor.net
7. Authentic AutoCAD version 2006 or Higher can be down loaded from AICTE website
8. Autodesk web site

COURSE NAME : DIPLOMA IN INTERIOR DESIGNING AND DECORATION**COURSE CODE : ID****YEAR : SECOND****SUBJECT TITLE : INTERNSHIP****SUBJECT CODE : 23044****TEACHING AND EXAMINATION SCHEME**

TEACHING SCHEME			EXAM SCHEME & MAXIMUM MARKS					
TH	TU	PR	PAPER HRS.	TH	PR	OR	TW	TOTAL
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NOTE

- Internship shall be completed by the students for a duration of minimum Six weeks at the end of First Year during the vacation. The student must submit the Log book, Certificate from the Organization and the training report. The same shall be assessed by the Internal Examiner for term work & external examiner for oral, at the beginning of the Second Year and the marks shall be submitted to MSBTE at the end of Second Year.

RATIONALE

The subject intends to apply the knowledge, gained in all the subjects learnt in first year.

OBJECTIVES

The student will be able to design residential interior spaces, generate 2D and 3D drawings, including services layout as well as working drawing. They should be able to apply appropriate materials also.

Internship shall be arranged in Industry / Company / Offices of Interior Designer and Architect (Builder's firms, Corporate firms and 3D Visualisation firms, etc.) where interior design work is in progress. The following are the sectors where the internship shall also be conducted.

- Furniture Designing / Product Designing Firms
- Kitchen Design Firms
- Colour Manufacturing Companies
- Firms Like Modular Furniture Making, Modular False Ceiling, Drywall Systems etc.



COURSE NAME : DIPLOMA IN INTERIOR DESIGNING AND DECORATION
COURSE CODE : ID / IN
YEAR : SECOND
SUBJECT TITLE : ADVANCE INTERIOR DESIGN
SUBJECT CODE : 23214

TEACHING AND EXAMINATION SCHEME

TEACHING SCHEME				EXAMINATION SCHEME				
TH	TU	PR	PAPER HRS.	TH	PR	OR	TW	TOTAL
01	--	05	08	150	--	25#	50@	225

NOTE

- Two tests each of 25 marks to be conducted as per the schedule given by MSBTE.
- Total of tests marks for all theory subjects are to be converted out of 100 and to be entered in mark sheet under the head Sessional Work. (SW)

RATIONALE

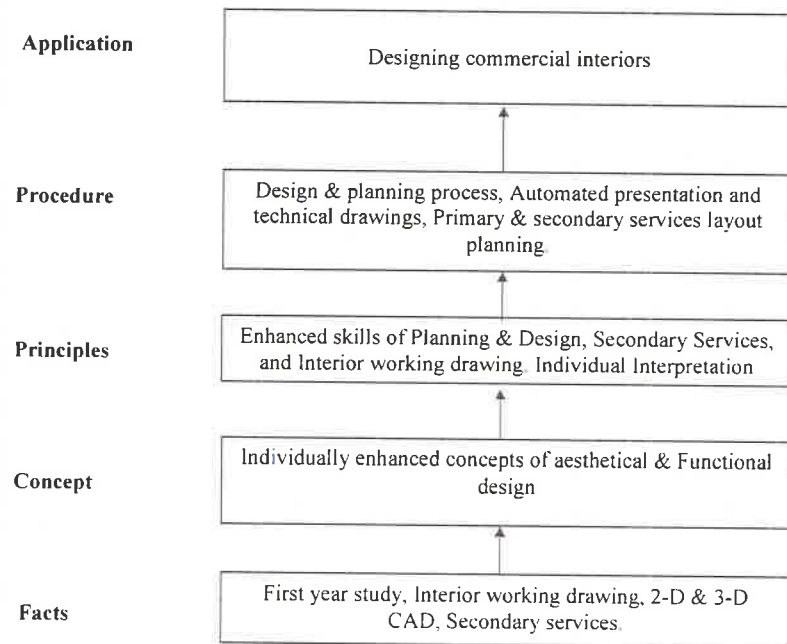
The subject intends to apply professional design acumen while enhancing skills to planning of commercial interior spaces with appropriate usage of basic materials, construction and services required for design project.

Students shall also learn to represent intellectual & creative skills with enhanced professionalism.

OBJECTIVES

The student will be able to design commercial interiors ranging from simple activity based small-scale commercial space of about 50 - 100 Sq. M. to complex activity based large-scale commercial space of about 500- 600 Sq. M. (Shop to Corporate office)

LEARNING STRUCTURE



DETAILED CONTENTS

CHAPTER	CONTENTS	HOURS	MARKS
1	Commercial Interior Design and Drawing Instructions regarding design brief; relevant aspects of materials, construction, design and services; Special Guidance towards case studies, observations, analysis; and towards achieving individual interpretations manifested through client profiling and requirement framing.	32	150
TOTAL		32	150

NOTE

Theory examination to be compulsorily based on any design project of multiple activity based medium-scale commercial space of about 100 Sq. M. to 150 Sq. M, consisting of preparing Plans, Two Sectional elevations to 1: 50 scale; and a 2-Point Perspective to suitable size, and assessed at 50%, 30%, and 20% weightage respectively.

SKILLS TO BE DEVELOPED

INTELLECTUAL SKILLS

- To Understand and design commercial interior spaces

MOTOR SKILLS

- Designing and Drafting

LIST OF PRACTICAL/ ASSIGNMENTS

To be drawn to scale on A1 size drawing papers

Note - One Project compulsorily in CAD presentation.

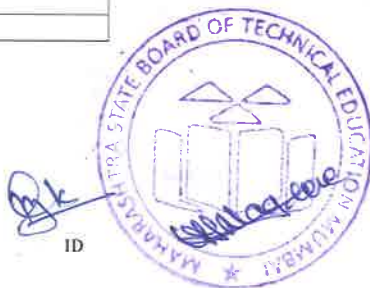
SR. NO.	DESCRIPTION	HOURS	NO. OF ASSIGNMENTS
Prepare and present scaled plan, sectional elevations, technical representations, and proportionate 3-D visuals all drawn and colour rendered manually/computer aided that depict case-studies, manifestations, concepts, schematics, presentation and technical drawings			
1	Small scale commercial project space about around 100 sq.m. Any Shops, Boutique, Salon, Parlours	70	01
2	Large scale commercial space about 500-600 sq.m.- Complete activity based project - Corporate Office, Government office.	90	01
TOTAL		160	

SUGGESTED LEARNING RESOURCES

SR. NO.	TITLE	AUTHOR	PUBLICATION
1	The best exhibition Stand Design 2	Stafford Cliff	Roto vision Sa Switzerland
2	Stores: Retail Display and Design	Vilma Barr Katherine Field	PBC International Inc.
3	New shop Design	Carles Broto	Arian Mostaedi
4	Exhibition Design	Rolshoven Martin	Rockport Publishers
5	Interior Design Bar and Restaurant	Jeong JI Seong ed.	Jeong JI Seong
6	Design for Shopping New Retail Interiors	Nanuelli Sara	Laurence King Publishing Ltd.
7	Interior design boutique, hotel & spa (Motel & hotel)	Jeong JI Seong	Jeong JI Seong
8	New shop Design	Carles Broto	Arian Mostaedi

SUGGESTED E-LEARNING RESOURCES

- <http://designerspeak.com>
- <http://visual.ly/interior-design>
- www.homestylor.com
- www.roomsketcher.com
- www.smartdraw.com



COURSE NAME : DIPLOMA IN INTERIOR DESIGNING AND DECORATION
COURSE CODE : ID / IN
YEAR : SECOND
SUBJECT TITLE : SPECIALITY INTERIOR DESIGN
SUBJECT CODE : 23045

TEACHING AND EXAMINATION SCHEME

TEACHING SCHEME			EXAMINATION SCHEME					
TH	TU	PR	PAPER HRS.	TH	PR	OR	TW	TOTAL
01	--	05	--	--	--	25#	100@	125

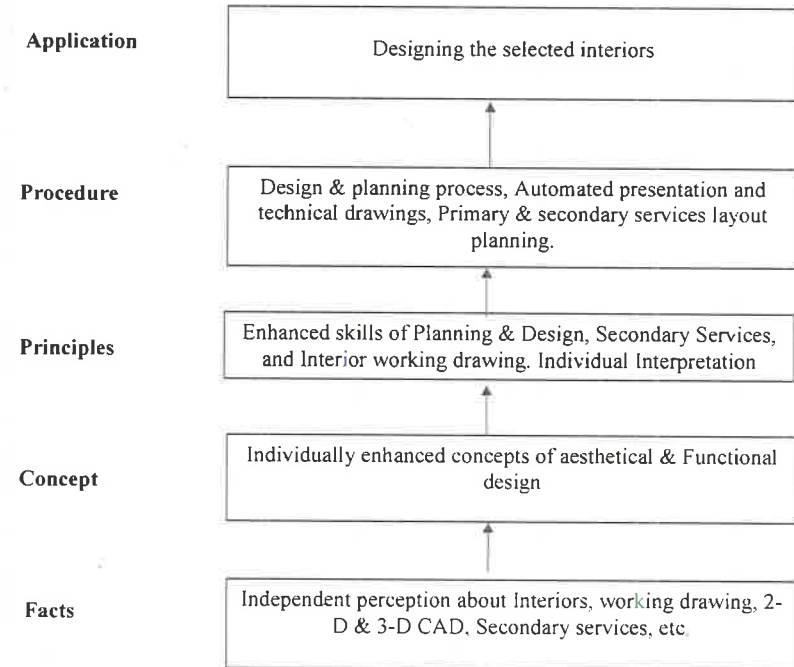
RATIONALE

The subject intends to apply individual professional design acumen with enhanced skills of planning interior spaces with appropriate usage of materials, construction and services required for design project.

Students shall also learn to represent intellectual & creative skills with enhanced professionalism.

OBJECTIVES

The student will be able to identify an interior project ranging between modification of existing to newly proposed specialised activity based space of about 600 to 700 Sq. M. (Institution, Banks, Sound recording studio, Multiplex lobby, Five-star Hotel lobby, Multi-speciality Hospital Lobby, Supermarket, Spa, Theme restaurant)

LEARNING STRUCTURE

DETAILED CONTENTS

CHAPTER	CONTENTS	HOURS
1	Speciality Interior Design and Drawing Self-instruction with guide regarding design brief; relevant aspects of materials, construction, design and services; Guidance towards case studies, observations, analysis; and towards achieving individual interpretations manifested through client profiling and requirement framing.	32
TOTAL		32

SKILLS TO BE DEVELOPED**INTELLECTUAL SKILLS**

- To Understand and design commercial interior spaces

MOTOR SKILLS

- Designing and Drafting

LIST OF PRACTICAL/ ASSIGNMENTS

Presentation of report on A 4 size paper with presentation of supporting drawings drawn to scale on A1 size drawing papers

SR. NO.	DESCRIPTION	HOURS	NO. OF PROJECT
1	Prepare and present computer aided synopsis, analytical report, scaled plan, sectional elevations, technical representations, and proportionate 3-D visuals that depict case-studies, manifestations, concepts, schematics, presentation and technical drawings.	160	1
TOTAL		160	

SUGGESTED LEARNING RESOURCES

- Individual, in relation with the subject selected by the student.
- Reference material could be collected through Internet as well as books, as per the guidance given by the Guide concerned.

SUGGESTED E-LEARNING RESOURCES

- <http://designerspeak.com>
- <http://visual.ly/interior-design>
- www.homestyler.com
- www.roomsketcher.com
- www.smartdraw.com

COURSE NAME : DIPLOMA IN INTERIOR DESIGNING AND DECORATION

COURSE CODE : ID / IN

YEAR : SECOND

SUBJECT TITLE : INTERIOR WORKING DRAWING

SUBJECT CODE : 23215

TEACHING AND EXAMINATION SCHEME

TEACHING SCHEME				EXAMINATION SCHEME				
TH	TU	PR	PAPER HRS.	TH	PR	OR	TW	TOTAL
02	--	06	04	100	--	25#	50@	175

NOTE

- Two tests each of 25 marks to be conducted as per the schedule given by MSBTE.
- Total of tests marks for all theory subjects are to be converted out of 100 and to be entered in mark sheet under the head Sessional Work. (SW)

RATIONALE

The subject intends to equip the students with knowledge and skills using advance interior construction techniques for preparing working drawing and details of various commercial furniture and furniture systems. It also intends to equip student with individualistic approach towards design, construction, assembly and joinery of activity based readymade or designed furniture used in commercial interior spaces. This subject also makes student to understand future trends in furniture design & techniques.

OBJECTIVES

The student will be able to:

- Select appropriate - modular & knockdown furniture & furniture systems; modular kitchen systems; methods of construction, detailing, storage, materials, soft furnishings, etc required for designing furniture systems in commercial Interiors.
- Select or design and detail - Openings systems, furniture & furniture systems using appropriate hardware and material focussing on detailing & requirements in commercial interior spaces; - to-exact quantities of various materials required and do rate analysis of material & labour required to estimate the project cost of designed interior spaces.



DETAILED CONTENTS

CHAPTER	CONTENTS	HOURS	MARKS
1	Knockdown & Modular furniture Types of knockdown & modular furniture such as seats & seating; tables & counters; storage units, trolleys, partitions & other furniture systems. Principles of optimisation, structure, assembly components and services provision focussing on readymade or customized need including suitability of material and effective use. Analysing need & selecting and/or designing & detailing appropriate knockdown or modular furniture suitable for commercial requirement.	08	12
2	Automated furniture systems Introduction to need of automation of furniture and identification such as movable partitions, storages. Working principles of automated movements of furniture such as hydraulic, pneumatic, remote-controlled, etc including identification of types of sensors used such as visual, laser, thermal, touch Analysis of need & selection of automation systems based on - capacity, size, shape, form, essential clearances and other technical data standards.	06	08
3	Automated & stationary movement systems Introduction to need of mass/bulk movement - horizontal, inclined, vertical of persons and materials. Working principles of lifts/elevators, escalators, conveyors and identification of use in passenger, service & special lifts; hydraulic & scenic elevators; belt, chain, pneumatic conveyors; revolving discs, platforms; moving stairs & escalators. Study of movement systems based on - capacity, size, shape, form, essential clearances and other technical data standards. Conceptualisation of designer steps, stairs & ladders using appropriate materials like timber, metals, plywoods, glass, stones, plastics, RCC and their technique, assembly, ornamentations and working out designer details.	08	12
4	Ordinary & Speciality openings, panelling & partitions Types of Partitions like Sandwich, panelled, Aluminium framed Special formations of jambs, frames & casings based on heat, fire, & sound insulating needs. Special study of doors, windows & ventilators based on heat, fire, & sound insulating needs including study of special hardware, modes of operation, materials & techniques, types of shutters Designing & preparing working details for thermal &	12	20

CHAPTER	CONTENTS	HOURS	MARKS
	sound insulating panelling & partitions including using appropriate material and techniques.		
5	Commercial Furniture Designing & preparing working drawings focussing on need, requirement, options, form, finish, materials, construction, and hardware: - Special types of displays & storages such as bulk filing, books, & materials, bar overhead storage, shop front display & showcases Commercial seating - visitor chairs, sofa seating (With/without armrests), executive & conference chairs with low & high back. Special types of worktops - side & rear credenza, executive table, conference table. Single & multi-level counters (With/without storage) such as bank, reception counter, ticket booking, service counter.	24	40
6	False ceiling Designing & preparing working drawings focussing on need, requirement, options, form, finish, materials, construction, services and hardware of: - • POP/Gypsum, timber, glass, acrylic false ceiling • Modular false ceiling	06	08
TOTAL		64	100

SKILLS TO BE DEVELOPED

INTELLECTUAL SKILLS

- Student should able to visualise the design and decide its working details including appropriate hardware and materials

MOTOR SKILLS

- Student should able to identify different hardware and material required for making working drawing with suitable specification

LIST OF PRACTICAL/ ASSIGNMENTS

To be carried out in a journal-form on large size square grid pad or drawn to scale on A1 size drawing.

SR. NO	DESCRIPTION	HOURS	REPORT & SKETCHES	NUMBER OF SHEETS
	Prepare in graphical form using any material-media such as pictures, photographs, cuttings, etc. or draw neat and proportionate sketches to explain:			
	Individual analysis of design & details of existing knockdown & modular furniture based on principles of optimisation, structure, assembly components & services provision	18	02	



2	Analysis of design & details of existing automated furniture based on individual observations.	18	02	
3	Automated & stationary movement systems	18	02	
4	Commercial seats & seating	18	02	
Prepare to-the-scale working drawings and details of:				
5	Special types of displays & storages	24		02
6	Speciality openings, panelling & partitions	24		02
7	Special types of worktops	24		02
8	Single & multi-level counters	24		02
9	False ceiling	24		02
TOTAL		192		10

SUGGESTED LEARNING RESOURCES

SR. NO.	TITLE	AUTHOR	PUBLICATION
1	Building Construction Illustrated	F D K Ching	Van Nortrand
2	Furniture & Cabinet Construction	William P. Spence L. Duane Griffith	Prentice Hall Inc. New Jersey
3	How To Build Modern Furniture	Mario Dal Fabro	McGraw Hill Book Company, New York
4	Cabinet making, design & construction	William P. Spence L. Duane Griffith	Prentice Hall Inc. New Jersey
5	Architects' Working Detail Vol. I	D.A.C.A. Boyne	The Arch. Press Ltd. London
6	Architects' Working Detail Vol. III	D.A.C.A. Boyne	The Arch. Press Ltd. London
7	Architects' Working Detail Vol. IV	D.A.C.A. Boyne	The Arch. Press Ltd. London
8	Architects' Working Detail Vol. V	D.A.C.A. Boyne	The Arch. Press Ltd. London
9	Architects' Working Detail Vol. VIII	D.A.C.A. Boyne	The Arch. Press Ltd. London

COURSE NAME : DIPLOMA IN INTERIOR DESIGNING AND DECORATION
COURSE CODE : ID / IN
YEAR : SECOND
SUBJECT TITLE : INTERIOR PROFESSIONAL PRACTICE
SUBJECT CODE : 23216

TEACHING AND EXAMINATION SCHEME:

TEACHING SCHEME			EXAMINATION SCHEME					
TH	TU	PR	PAPER HRS.	TH	PR	OR	TW	TOTAL
01	--	02	02	50	--	25#	50@	125

NOTE

- **Two tests each of 25 marks to be conducted as per the schedule given by MSBTE.**
- **Total of tests marks for all theory subjects are to be converted out of 100 and to be entered in mark sheet under the head Sessional Work. (SW)**

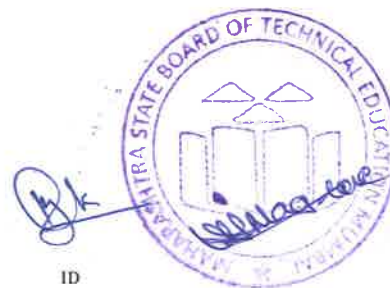
RATIONALE

The subject intends to equip the students with knowledge & skills of estimating, costing, analysing rates; and processes of tendering. It also intends to make them aware towards management of interior design office along with current practices, and codes of conduct required to enhance skills and techniques of handling residential and commercial interiors.

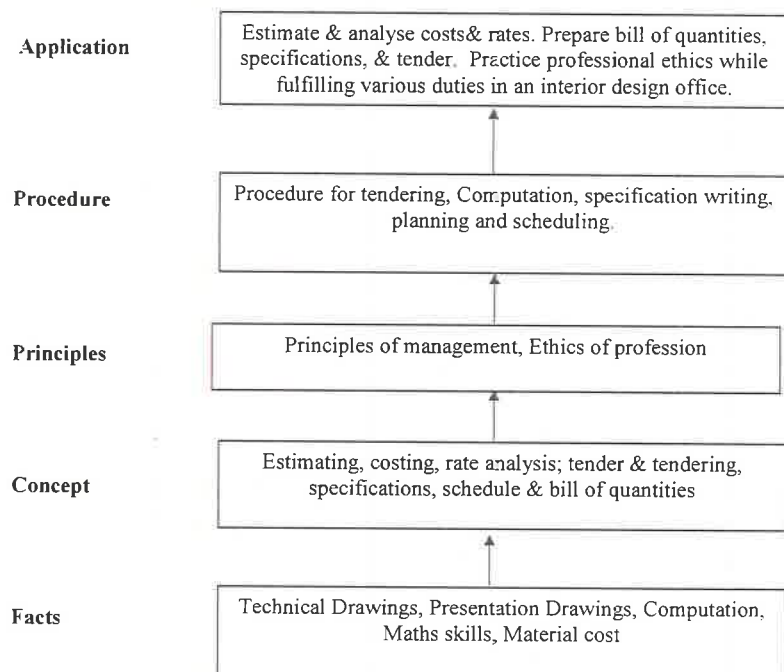
OBJECTIVES

The student will be able to learn about:

Standardized units & modes of measurement of materials, labour & items of interior works; estimating, costing & analysing rates; codes of conduct for ethical practice; practices of tendering and contracting; various functional aspects of an interior design office/studio.



LEARNING STRUCTURE



DETAILED CONTENTS

CHAPTER	CONTENTS	HOURS	MARKS
1	Estimating, Costing & Analysing Rates Introduction to concepts of guesswork, estimation, costing & rate analysis. Need for estimating, costing & rate analysis. Components of estimation, costing & analysing rates - Drawings & specifications, units & modes of measurements, work out put, material & labour cost, contingencies, profit margins, indirect costs. Methods of estimating - lump-sum, work specific, area of use, per number of user, day-work, item-rate; costing - percentage basis, item rate basis & rate analysis - Primarily item rate basis.	08	10
2	Tender & Tendering Introduction & Definitions Tendering Procedure: Tender Document Preparation, Types of Invitations Public Notice, Private Invitation, Negotiation Floating of Tender, Opening and award of tender Aspects of Tender: Units of measurement & modes of measurement; Specifications of raw materials; Specifications and Schedule writing. Contents of Tender Document: Undertaking from Contractor, Pre-qualification of tender, General conditions of tender, Bill of Quantities, General Specifications, Material specification, Special Specification, Set of working drawings, E-Tendering process. Contractual Procedures: Work order letter and acceptance letter, Interim bills and final bills, Bills certifications	12	20
3	Career Opportunities & Professional ethics Avenues for professional practice including advantages and limitations Professional ethics & Codes of conduct and responsibility towards client, fellow professionals, profession, contractors, suppliers, other consultants and the society, health and safety issues.	04	08
4	Office & Project Management Working of Interior Design Studio & ideal office structure; Distribution of work, authority, duties & responsibilities, Reporting. Work ethics: Acts applicable; Basis for Professional Fees & Scales of fees; Physical workplaces in the office; Accounting, maintenance of book of accounts and records. Financial implications, different taxes and acts applicable Basic principles of management and application to interior designing projects Introduction to Bar Charts, Gantt Chart, PERT/ CPM *Introduction to LEED(Leadership in Energy and Environmental Design), GRIHA(Green Rating for	08	12



CHAPTER	CONTENTS	HOURS	MARKS
	Integrated Habitat Assessment), IGBC(The Indian Green Building Council * Not for Exams.		
	TOTAL	32	50

SKILLS TO BE DEVELOPED**INTELLECTUAL SKILLS**

- Visualization

MOTOR SKILLS

- Observational, Analytical and Sketching

LIST OF PRACTICAL/ ASSIGNMENTS

To be carried out on A-4 size white papers well composed & presented in a booklet form.

SR. NO.	DESCRIPTION	HOURS	NUMBER OF ASSIGNMENTS
Design, draw neat and proportionate sketches & workout:			
1	Detail Rate analysis of 4 residential furniture - 1 each of shelves & storages, seats, tables & bed.	08	05
2	Detail Rate analysis of 4 commercial furniture - 1 each of displays & storages, seats & seating, worktops, counters and partition/panelling.	08	05
3	Specification for any non-structural masonry installations, kitchen trolleys, 2 speciality panelling & partitions.	08	04
4	Specification for flooring in a living room & false-ceiling for a conference room.	08	04
5	Prepare estimate for any two modular furniture items(based upon unit area/length rates)	08	02
6	Prepare a set of item rate tender for any one residential or commercial project.	08	01
7	A Bar chart or a Gantt chart for the works.	08	01
8	Letters and certifications in contractual procedures - work order letter, acceptance letter, interim certificates, final certificates.	08	02
	TOTAL	64	

SUGGESTED LEARNING RESOURCES

SR.NO.	TITLE	AUTHOR	PUBLICATION
1	Professional Practice (Estimation & Valuation)	Roshan Namavati	Lakhani Book depot
2	Architectural Detailing in Residential Interiors	Roshan Namavati	Lakhani Book depot
3	Professional Practice in Interior Design	C M Pitrowski	Van Nostrand Reinhold
4	A Guide to Business Principle and Practices for Interior Designers	Harry Siegel, CPA, Alan Siegel	Whitney library of design
5	Contract Interior Finishes	William R. Hall	Whitney library
6	Construction Materials of Interior Design	William Rupp	Whitney Library

