

Subject Teacher : Lima Akter
 Subject Name : Interior Working Drawing - 1
 Subject Code : 68712
 Technology : Architecture and Interior Design Technology
 Semester : 5th
 BTEB Text Book Name : Interior Working Drawing - 1 (Publisher: Haque Prokashani)
 Reference Book Name : Architecture Drafting and Design - Donald E. Hepler & Paul I. Wallach

Marks	Grade Point	Letter Grade	Marks	Grade Point	Letter Grade
80>	4.00	A+	55-59	2.75	B-
75-79	3.75	A	50-54	2.50	C+
70-74	3.50	A-	45-49	2.25	C
65-69	3.25	B+	40-44	2.00	D
60-64	3.00	B	0-39	0.00	F

Mark Distribution (for 150 Marks)			
Theory Marks		Practical Marks	
Midterm	20	PC	25
Class test	10	PF	25
Quiz test	10	-	-
Final	60	-	-
Total	100	Total	50

Subject Aims:

- To be able to draw the working drawing of living room, dining room, bedroom.
- To be able to draw the working drawing of kitchen, toilet.
- To be able to draw the working drawing of a 2 bedroom house.
- To be able to draw the working drawing of door and window.

Subject Outcome:

- Close and open plan, ceiling, lighting and furniture groups.
- Size and shape, furniture clearance, alcove, insulation and acoustical tile.
- Cross ventilation, room offset, sound buffer, humidity control.
- General planning guides for food preparation.
- Fixture of general bathroom.
- Detail drawing of living room, detail drawing of dining room, detail drawing of bedroom, detail drawing of kitchen, detail drawing of toilet, detail drawing of Septic Tank & Water Reservoir, electrical drawing of 2-Bed room House, detail drawings of the door, detail drawings of the window.

Date	Lecture	Chapter/Exam/Industrial Visit	Learning Area	Learning Outcome	Class/Lab Supporting Equipment's
	01	Chapter 01 – Understand the Living room. (Theory Class)	1) Define living area; and distinguishes between close and open plan of a living area (Living, Dining, Family etc.)/room. 2) Discuss the function, location and decor of different room of living room.	After the Class, Students will be able to: • Learn about living room.	1) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve 2) Geometry Box with necessary grade pencils 3) PC with Internet

			3) Discuss the ceiling, lighting and furniture groups of a living room.		Connection and Sound System 4) Projector 5) Mobile with Internet Connection Lecture Slide: https://www.youtube.com/watch?v=DYI1hsYK_80
	02	Chapter 01 – Construct detail drawing of living room. (Practical Class)	1) Draw basic common furniture with clear dimension.(scale 1:10) 2) Draw the furniture layout plan of a living room with clear measurement. (Scale 1:25). 3) Draw 2 sectional elevation of a living room.(scale 1:25)	After the Class, Students will be able to: • Draw basic living room furniture.	1) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve 2) Geometry Box with necessary grade pencils 3) PC with Internet Connection and Sound System 4) Projector 5) Mobile with Internet Connection Lecture Slide: https://www.youtube.com/watch?v=8Kq6E_zKofE
	03	Chapter 01 – Construct detail drawing of living room. (Practical Class)	1) Draw reflected ceiling and lighting layout plan of a living room showing different types of material. (scale 1:25) 2) Draw floor finished layout plan of a living room. (scale 1:25)	After the Class, Students will be able to: • Draw basic living room furniture.	1) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve 2) Geometry Box with necessary grade pencils 3) PC with Internet Connection and Sound System 4) Projector 5) Mobile with Internet Connection Lecture Slide:

					https://www.youtube.com/watch?v=8Kq6E_zKofE
	04	Class Test – 1	Examination Topic: Chapter 01 – Understand the Living room. (Theory Based) Examination mark: 10 Passing Mark: 04		1. Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve 2. Geometry Box with necessary grade pencils
	05	Chapter 02 – Construct detail drawing of dining room. (Practical Class)	1) Draw basic common furniture with clear dimension.(scale 1:10) 2) Draw the furniture layout plan of a dining room with clear measurement. (Scale 1:25). 3) Draw 2 sectional elevation of a dining room.(scale 1:25)	After the Class, Students will be able to: • Draw common furniture of a living room.	1) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve 2) Geometry Box with necessary grade pencils 3) PC with Internet Connection and Sound System 4) Projector 5) Mobile with Internet Connection Lecture Slide: https://www.youtube.com/watch?v=C4X6-270kqM
	06	Chapter 02 – Construct detail drawing of dining room. (Practical Class)	1) Draw ceiling and lighting layout plan of a dining room. (scale 1:25) 2) Draw floor finished layout plan of a dining room. (scale 1:25)	After the Class, Students will be able to: • Draw common furniture of a living room.	1) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve 2) Geometry Box with necessary grade pencils 3) PC with Internet Connection and Sound System 4) Projector 5) Mobile with Internet Connection Lecture Slide: https://www.youtube.com/watch?v=C4X6-270kqM

					tch?v=C4X6-270kqM
	07	Chapter 01 – Understand the Living room. (Theory Class)	1) Mention the size and shape of the living room. 2) Discuss the minimum requirements of living room. 3) Explain the planning considerations and furniture clearance of a living room.	After the Class, Students will be able to: Learn about the basic areas of shopping center.	1) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve 2) Geometry Box with necessary grade pencils 3) PC with Internet Connection and Sound System 4) Projector 5) Mobile with Internet Connection Lecture Slide: https://www.youtube.com/watch?v=DY11hsYK_80
	08	Quiz Test – 1	Examination Topic: Chapter 02 – Construct detail drawing of dining room. (Practical Based) Examination mark: 10 Passing Mark: 04		1) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve 2) Geometry Box with necessary grade pencils
	09	Chapter 03 – Construct detail drawing of bedroom. (Practical Class)	1) Draw basic common furniture with clear dimension.(scale 1:10) 2) Draw the furniture layout plan of a bedroom with clear measurement. (Scale 1:25).	After the Class, Students will be able to: Draw furniture layout plan of a bedroom.	1) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve 2) Geometry Box with necessary grade pencils 3) PC with Internet Connection and Sound System 4) Projector 5) Mobile with Internet Connection Lecture Slide: https://www.youtube.com/watch?v=ulXk9FmFfcs

10	Chapter 02 – Understand the dining room. (Theory Class)	1) Define dining room. 2) Discuss the principle factors that are considered in planning the dining room. 3) Discuss the ceiling, lighting and furniture groups of a dining room.	After the Class, Students will be able to: Familiar with the dining room.	1) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve 2) Geometry Box with necessary grade pencils 3) PC with Internet Connection and Sound System 4) Projector 5) Mobile with Internet Connection Lecture Slide: https://www.youtube.com/watch?v=OQeIXr3zisY
11	Class Test – 2	Examination Topic: Chapter 02 – Understand the dining room. (Theory Based) Examination mark: 10 Passing Mark: 04		1) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve 2) Geometry Box with necessary grade pencils
12	Chapter 03 – Construct detail drawing of bedroom. (Practical Class)	1) Draw 2 sectional elevation of a bed room.(scale 1:25) 2) Draw ceiling and lighting layout plan of a bed room. (scale 1:25)	After the Class, Students will be able to: Draw furniture layout plan of a bedroom.	1) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve 2) Geometry Box with necessary grade pencils 3) PC with Internet Connection and Sound System 4) Projector 5) Mobile with Internet Connection Lecture Slide: https://www.youtube.com/watch?v=ulXk9FmFfcs
13	Chapter 02 –	1) Mention the size and shape of the	After the Class, Students will be able to:	1) Drafting Board, Set

		Understand the dining room. (Theory Class)	dining room. 2) Explain the minimum width and depth needed for per person sitting. 3) Explain the passage behind chairs and furniture clearance of a dining room.	Familiar with the dining room.	Square, Triangular Scale, Steel Scale, French Curve 2) Geometry Box with necessary grade pencils 3) PC with Internet Connection and Sound System 4) Projector 5) Mobile with Internet Connection Lecture Slide: https://www.youtube.com/watch?v=PyoYCOLLBE
	14	Chapter 04 – Construct the detail drawing of a Kitchen. (Practical Class)	1) Draw the minimum counter width dimensions in different cases for kitchen. 2) Draw the comfortable working heights for kitchen. 3) Draw the minimum clearance between two horizontal counters.	After the Class, Students will be able to: Draw furniture layout plan of a kitchen.	1) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve 2) Geometry Box with necessary grade pencils 3) PC with Internet Connection and Sound System 4) Projector 5) Mobile with Internet Connection Lecture Slide: https://www.youtube.com/watch?v=RG897E45F4M
	15	Quiz Test – 2	Examination Topic: Chapter 04 – Construct the detail drawing of a Kitchen. (Practical Based) Examination mark: 10 Passing Mark: 04		1) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve 2) Geometry Box with necessary grade pencils
	16	Chapter 03 – Understand the	1) Define difference types of bed room. 2) Discuss the function, location,	After the Class, Students will be able to: Learn about different types of	3) Drafting Board, Set Square, Triangular

		Bedroom. (Theory Class)	number and decor of Bedroom. 3) Mention the standard size and shape of the bedroom.	bedroom.	Scale, Steel Scale, French Curve 4) Geometry Box with necessary grade pencils 5) PC with Internet Connection and Sound System 6) Projector 7) Mobile with Internet Connection Lecture Slide: https://www.youtube.com/watch?v=mGY5WTz1fBU
	17	Chapter 04 – Construct the detail drawing of a Kitchen. (Practical Class)	1) Draw a plan and section with detail measurements and showing different fixture (scale 1:20) (1/2"=1'-0"). 2) Draw the base and wall cabinet detail showing all dimensions. (Scale 1:20) (1/2"=1'-0").	After the Class, Students will be able to: Draw furniture layout plan of a kitchen.	1) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve 2) Geometry Box with necessary grade pencils 3) PC with Internet Connection and Sound System 4) Projector 5) Mobile with Internet Connection Lecture Slide: https://www.youtube.com/watch?v=RG897E45F4M
	18	Chapter 05 – Construct the detail drawing of a Toilet. (Practical Class)	1) Draw a master bath plan in 1:20 (1/2"=1'-0") scale showing fixtures (Cabinet Basin, Bathtub, W.C. etc.) with all dimensions. 2) Draw the detail section of the master bath in 1:20 (1/2"=1'-0") scale showing maximum fixtures and all dimensions.	After the Class, Students will be able to: Draw furniture layout plan of a toilet.	1) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve 2) Geometry Box with necessary grade pencils 3) PC with Internet Connection and Sound System

					4) Projector 5) Mobile with Internet Connection Lecture Slide: https://www.youtube.com/watch?v=5fapE4Teux8
	19	Chapter 03 – Understand the Bedroom. (Theory Class)	1) Discuss the principal factors, which are considered in planning the Bedroom. 2) Discuss the ceiling, lighting and furniture groups of a bed room.	After the Class, Students will be able to: Learn about different types of bedroom.	1) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve 2) Geometry Box with necessary grade pencils 3) PC with Internet Connection and Sound System 4) Projector 5) Mobile with Internet Connection Lecture Slide: https://www.youtube.com/watch?v=mGY5WTz1fBU
	20	Chapter 01 – 03	Review Class Lecture 01, 07, 10, 13, 16, 19	After the Class, Students will be able to: Regarding students problem – resolve their problems.	1) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve 2) Geometry Box with necessary grade pencils 3) PC with Internet Connection and Sound System 4) Projector 5) Mobile with Internet Connection
	21	Chapter 01 – 03	Review Class Lecture 01, 07, 10, 13, 16, 19	After the Class, Students will be able to: Regarding students problem – resolve their problems.	1) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve

					2) Geometry Box with necessary grade pencils 3) PC with Internet Connection and Sound System 4) Projector 5) Mobile with Internet Connection
	22	Chapter 01 – 03	Review Class Lecture 01, 07, 10, 13, 16, 19	After the Class, Students will be able to: Regarding students problem – resolve their problems.	1) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve 2) Geometry Box with necessary grade pencils 3) PC with Internet Connection and Sound System 4) Projector 5) Mobile with Internet Connection
		Chapter 01 – 03	Mid Term	Self-examine the depth of knowledge about drawing instrument, color and print media.	
	23	Chapter 04 – Understand the kitchen. (Theory Class)	1) Discuss kitchen function & location. 2) Discuss some following general planning guides for food preparation; arrangement, traffic lanes, storage, counters and working surface, servicing and replacement of appliances, materials, lighting, ventilation, safety, accessibility, and decoration. 3) Explain the basic shapes of kitchen room.	After the Class, Students will be able to: Learn about kitchen planning.	1) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve 2) Geometry Box with necessary grade pencils 3) PC with Internet Connection and Sound System 4) Projector 5) Mobile with Internet Connection Lecture Slide: https://www.youtube.com/wa

					tch?v=iAGjc8m11Sg
	24	Chapter 06 – Construct the detail drawing of Septic Tank & Water Reservoir. (Practical Class)	1) Draw the Plan of a 50 user's septic tank showing the dimensions in 1:20 (1/2"=1'-0"). 2) Draw the section of the septic tank in 1:20 (1/2"=1'-0").	After the Class, Students will be able to: Plan septic tank.	1) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve 2) Geometry Box with necessary grade pencils 3) PC with Internet Connection and Sound System 4) Projector 5) Mobile with Internet Connection Lecture Slide: https://www.youtube.com/watch?v=frs7F2D9DFg
	25	Chapter 06 – Construct the detail drawing of Septic Tank & Water Reservoir. (Practical Class)	1) Draw the Plan of a 2500 gallon underground water reservoir showing the dimensions in 1:20 (1/2"=1'-0"). 2) Draw the section of the water reservoir in 1:20 (1/2"=1'-0").	After the Class, Students will be able to: Plan underground water reservoir.	1) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve 2) Geometry Box with necessary grade pencils 3) PC with Internet Connection and Sound System 4) Projector 5) Mobile with Internet Connection Lecture Slide: https://www.youtube.com/watch?v=b60uoyRWaUA
	26	Class Test – 3	Examination Topic: Chapter 04 – Understand the kitchen. (Theory Based) Examination mark: 10 Passing Mark: 04		1) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve 2) Geometry Box with necessary grade pencils

	27	Chapter 07 – Construct the floor plan of a 2-Bed room House. (Practical Class)	1) Draw the floor plan in 1:50 (1/4"=1'-0") scale of a 2-bedroom house. 2) Show the inside and outside detail dimension in the drawn plan (1.1).	After the Class, Students will be able to: • Learn about floor planning of a 2 bed house.	1) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve 2) Geometry Box with necessary grade pencils 3) PC with Internet Connection and Sound System 4) Projector 5) Mobile with Internet Connection Lecture Slide: https://www.youtube.com/watch?v=mQUhL3AQsUg
	28	Chapter 07 – Construct the floor plan of a 2-Bed room House. (Practical Class)	1) Draw Front and side elevation (minimum one) in 1:50 (1/4"=1'-0") scale of the 2-bedroom house. 2) Draw section in 1:50 (1/4"=1'-0") scale of the 2-bedroom house showing all dimension and material symbol.	After the Class, Students will be able to: • Learn about floor planning of a 2 bed house.	1) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve 2) Geometry Box with necessary grade pencils 3) PC with Internet Connection and Sound System 4) Projector 5) Mobile with Internet Connection Lecture Slide: https://www.youtube.com/watch?v=mQUhL3AQsUg
	29	Quiz Test – 3	Examination Topic: Chapter 07 – Construct the floor plan of a 2-Bed room House. (Practical Based) Examination mark: 10 Passing Mark: 04		1) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve 2) Geometry Box with necessary grade pencils
	30	Chapter 08 –	1) Draw the different electrical symbols	After the Class, Students will be able to:	1) Drafting Board, Set

		Construct a set of electrical drawing of 2-Bed room House. (Practical Class)	used in electrical layout plan. 2) Draw the ground floor plan showing electrical fittings and fixtures with dimension in 1:50 (1/4"=1'-0") scale.	Learn about the electrical drawing of a 2 bed house.	Square, Triangular Scale, Steel Scale, French Curve 2) Geometry Box with necessary grade pencils 3) PC with Internet Connection and Sound System 4) Projector 5) Mobile with Internet Connection Lecture Slide: https://www.youtube.com/watch?v=OUgPCiDoNDo
	31	Chapter 08 – Construct a set of electrical drawing of 2-Bed room House. (Practical Class)	1) Draw the typical floor plan showing electrical fittings and fixtures with dimension in 1:50(1/4"=1'-0") scale. 2) Make the electrical fittings and fixtures schedule for the building.	After the Class, Students will be able to: Learn about the electrical drawing of a 2 bed house.	1) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve 2) Geometry Box with necessary grade pencils 3) PC with Internet Connection and Sound System 4) Projector 5) Mobile with Internet Connection Lecture Slide: https://www.youtube.com/watch?v=OUgPCiDoNDo
	32	Chapter 04 – Understand the kitchen. (Theory Class)	1) Discuss the basic work area of kitchen. 2) Explain the following architectural terms; working triangle, island, family kitchen, base cabinet, wall cabinet, counter top, service area etc.	After the Class, Students will be able to: Learn about kitchen planning.	1) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve 2) Geometry Box with necessary grade pencils 3) PC with Internet Connection and Sound

					System 4) Projector 5) Mobile with Internet Connection Lecture Slide: https://www.youtube.com/watch?v=iAGjc8m11Sg
	33	Chapter 09 – Prepare detail drawings of the door. (Practical Class)	1) Draw the detail plan of the panel door used in the residential building with detail dimensions in 1:25 (1/2"=1'-).scale. 2) Draw the detail elevation in 1:25 (1/2"=1'-0") scale. 3) Draw the vertical section of the door with detail dimensions in 1:25 (1/2"=1'-0") scale.	After the Class, Students will be able to: • Draw door.	1) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve 2) Geometry Box with necessary grade pencils 3) PC with Internet Connection and Sound System 4) Projector 5) Mobile with Internet Connection Lecture Slide: https://www.youtube.com/watch?v=fJFk6-jaTuc
	34	Class Test – 4	Examination Topic: Chapter 04 – Understand the kitchen. (Theory Based) Examination mark: 10 Passing Mark: 04		1) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve 2) Geometry Box with necessary grade pencils
	35	Chapter 05 – Understand the bathroom/toilet. (Theory Class)	1) Define bath/toilet and its function & location. 2) State the basic fixture of general bathroom. 3) Discuss the basic dimension of a toilet.	After the Class, Students will be able to: • Plan bathroom.	1) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve 2) Geometry Box with necessary grade pencils 3) PC with Internet Connection and Sound System

					4) Projector 5) Mobile with Internet Connection Lecture Slide: https://www.youtube.com/watch?v=a7_sYFpO4V8
	36	Chapter 10 – Prepare detail drawing of the wooden pivoted window. (Practical Class)	1) Draw the detail plan of the window used in residential building with detail dimensions in 1:25 (1/2"=1'-0").scale. 2) Draw the detail elevation in 1:25 (1/2"=1'-0") scale. 3) Draw the vertical section of the window with detail dimensions in 1:25(1/2"=1'-0") scale.	After the Class, Students will be able to: Draw window detail.	1) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve 2) Geometry Box with necessary grade pencils 3) PC with Internet Connection and Sound System 4) Projector 5) Mobile with Internet Connection Lecture Slide: https://www.youtube.com/watch?v=Iz6oSQh31x8
	37	Quiz Test -4	Examination Topic: Chapter 10 – Prepare detail drawing of the wooden pivoted window. (Practical Based) Examination mark: 10 Passing Mark: 04		1) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve 2) Geometry Box with necessary grade pencils
	38	Chapter 05 – Understand the bathroom/toilet . (Theory Class)	1) Discuss the four categories bath – (a) Three-fixture bath, (b) Compartmented bath, (c) Guest bath, (d) Utility bath, 2) Discuss the doors & windows of the bath. 3) Define the architectural terms; water closet, lavatory, fixture, open bath, sunken tub, shower stall, shower tray, square tub, rectangular tub,	After the Class, Students will be able to: Plan bathroom.	1) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve 2) Geometry Box with necessary grade pencils 3) PC with Internet Connection and Sound System 4) Projector

			jacuzzi bathtubs.		5) Mobile with Internet Connection Lecture Slide: https://www.youtube.com/watch?v=a7_sYFpO4V8
	39	Presentation	Presentation on the architectural working drawing of a residence.		1. PC with Internet Connection and Sound System 2. Projector 3. Mobile with Internet Connection
	40	Chapter 04 – 05	Review Class 21, 29, 32, 35	After the Class, Students will be able to: Regarding students problem – resolve their problems.	1) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve 2) Geometry Box with necessary grade pencils 3) PC with Internet Connection and Sound System 4) Projector 5) Mobile with Internet Connection
	41	Chapter 04 – 05	Review Class 21, 29, 32, 35	After the Class, Students will be able to: Regarding students problem – resolve their problems.	1) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve 2) Geometry Box with necessary grade pencils 3) PC with Internet Connection and Sound System 4) Projector 5) Mobile with Internet Connection