

Subject Teacher : Shanta Islam, Instructor
 Subject Name : Architectural Project(26171)
 Subject Code : 26171
 Technology : Architecture Technology
 Semester : 7th
 BTEB Text Book Name : Architectural Project (Publisher: Haque Prokashani)
 Reference Book Name : Time saver standards for building types by Joseph de Chiara, John Han Cock Callender

Subject Aims:

- Understand how to consider the impact of the built environment while designing different types of public building.
- Main focus of the course is to enable students to get into the decision-making process considering aspects of more center functional layouts.
- Major emphasis of the course includes program, design development and structural solutions.
- Students will understand office building and shopping related structures in the context of Bangladesh considering the culture, climate and context along with formal expression of the structures.
- Importance should be given to building materials and technology and being able to design innovative ideas that respond to the needs of the society.

Subject Outcome:

1. Analyze Architectural site
2. Explain Building construction rules in Bangladesh
3. Interpret Building approval sheet and document
4. Illustrate Finished schedule
5. Prepare project presentation

Practical Outcome:

1. Conduct site visit
2. Prepare preliminary sketch of the project
3. Prepare presentation drawing of the project.
4. Prepare approval sheet of the project.
5. Prepare working drawings of the project
6. Prepare detail drawings of bathroom.

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

Class Timing Distribution	
Particulars	Time
Greeting with students	05 Minutes
Previous Class Review	10 Minutes
Present Class Topic Discussion and Lecture Delivery	60 Minutes
Present Class Topics Review	10 Minutes
Next Class Topic	5 Minutes

7. Prepare detail drawings of kitchen.
8. Prepare detail drawings of stair.
9. Prepare finished schedule of the project
10. Prepare detail drawings of the utility services.
11. Prepare sub- structural drawings of the project
12. Prepare super- structural drawings of the project.
13. Prepare electrical drawings of the project.
14. Prepare model of the project.
15. Perform presentation of theProject.

Date	Lecture	Chapter/Exam/Industrial Visit	Learning Area	Learning Outcome	Class/Lab Supporting Equipment's	
	01	Chapter 01 – ARCHITECTURAL SITE ANALYSIS (Practical Class)	1. State Architectural site analysis. 2. List necessary information for site analysis. 3. Describe Architectural site analysis checklist.	After the Class, Students will be able to: • Gain detailed knowledge about the site analysis.	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	
	02	Chapter 01 – ARCHITECTURAL SITE ANALYSIS (Theory Class)	4. State Architectural site plan. 5. List the elements of site plan. 6. State read soil report of the site. 7. Describe sun path diagram, prevailing wind,	After the Class, Students will be able to: • Understand the design procedure of site analysis.	1) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve 2) Geometry Box with necessary grade pencils	

			climate condition for consideration to building design on the site.		3) PC with Internet Connection and Sound System 4) Projector 5) Mobile with Internet Connection Lecture Video: https://www.youtube.com/watch?v=YIIQsv1psNM	
	03	Chapter 02 – BUILDING CONSTRUCTION RULES IN BANGLADESH. (Practical Class)	1.State Building construction rules-2008 in Bangladesh.	After the Class, Students will be able to: • Can draw the site layout.	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 Video: https://www.youtube.com/watch?v=_Sqlf80jrx_c	
	04	Class Test - 1	Examination Topic: Chapter 01 – ARCHITECTURAL SITE ANALYSIS (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 – BUILDING CONSTRUCTION RULES IN BANGLADESH. (Theory Class)	2.List valuable rules and regulations of building construction rules- 2008 in Bangladesh.	After the Class, Students will be able to: Understand the building construction rules- 2008 in Bangladesh.	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 Video: https://www.youtube.com/watch?v=rQtv75kjhLk	
	06	Chapter 02 – BUILDING CONSTRUCTION RULES IN BANGLADESH. (Theory Class)	3.State necessity of building construction rules in Bangladesh.	After the Class, Students will be able to: Understand the building construction rules- 2008 in Bangladesh.	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 Video: https://www.youtube.com/watch?v=_Sqlf80jrx_c	
	07	Chapter 03 – BUILDING APPROVAL SHEET AND DOCUMENT (Practical Class)	1.State building approval documents and sheet. 2. State RAJUK sheet. 3.Discuss set back rules.	After the Class, Students will be able to: Can draw the site layout.	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 Video: https://www.youtube.com/watch?v=_Sqlf80jrx_c	
	08	Quiz Test - 1	Examination Topic: Chapter 02 - BUILDING CONSTRUCTION RULES IN BANGLADESH. (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 – BUILDING APPROVAL SHEET AND DOCUMENT	4. Describe FAR calculation. 5.List drawing for the building approval sheet. 6.Mention necessary papers/documents for the building approval sheet.	After the Class, Students will be able to: Can draw the bubble diagram for Mixed use building.	1) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve	

		(Theory Class)	7.Discuss the necessary forms for building approval sheet.		2) Geometry Box with necessary grade pencils 3) PC with Internet Connection and Sound System 4) Projector 5) Mobile with Internet Connection Lecture Video: https://www.youtube.com/watch?v=n84wXPjWjrY	
	10	Chapter 01 – 03 Chapter 04 – FINISHED SCHEDULE (Theory Class)	Mid Term 1.State finished schedule. 2.Discuss importance of finished schedules.	Self-examine the depth of knowledge. After the Class, Students will be able to: Can draw the conceptual design requirements of mixed used building.	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 Video: https://www.youtube.com/watch?v=-UJNNtKvgH4	
	11	Chapter 04 – FINISHED SCHEDULE	3.State the critical path method (CPM). 4.State PERT.	After the Class, Students will be able to:	1) Drafting Board, Set Square, Triangular Scale,	

		(Theory Class)	5. Discuss importance of CPM in project management.	Design principle requirements of mixed used building.	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 Video: https://www.youtube.com/watch?v=bEc0X_3nfqw	
	12	Class Test - 2	Examination Topic: Chapter 03 –BUILDING APPROVAL SHEET AND DOCUMENT(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	

	13	Chapter 05 – PREPARE PROJEECT PRESENTATIO N. (Theory Class)	1) Discuss drawing sheet presentation. 2) Describe necessity of multimedia/digital presentation.	After the Class, Students will be able to: Can draw Mixed used Building.	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 Video: https://www.youtube.com/watch?v=rQtv75kjhLk	
	14	Chapter 05 – PREPARE PROJEECT PRESENTATIO N. (Practical Class)	1) Explain advantage and disadvantage of animation presentation. 2) State model preparation. 3) Explain questioners of the project.	After the Class, Students will be able to: Mixed use Building.	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 Video:	

					https://www.youtube.com/watch?v=1a55pRkjFZ8	
	15	Quiz Test - 2	Examination Topic: Chapter 04 – FINISHED SCHEDULE. (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 05 – PREPARE PROJECT PRESENTATION. (Practical Class)	1.Draw a plan of Mixed used Building.	After the Class, Students will be able to: Mixed use Building.	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 Video: https://www.youtube.com/watch?v=1a55pRkjFZ8	
	17		Architectural Site Visit	After the Class, Students will be able to: Learn the historical influence of previous architectural styles.		
	18	Chapter 05 – PREPARE PROJECT PRESENTATION.	1) Make a model for the office building.	After the Class, Students will be able to: Can make a model for the mixed use building	1) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve	

		(Practical Class)			2) Geometry Box with necessary grade pencils 3) PC with Internet Connection and Sound System 4) Projector 5) Mobile with Internet Connection Lecture Video: https://www.youtube.com/watch?v=6pYo6hafWtU	
		Presentation	Slide presentation on the architectural site visit.		1. PC with Internet Connection and Sound System 2. Projector 3. Mobile with Internet Connection	
		Chapter 01 – 03 (Theory)	Review Class Lecture	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 04 – 05	Review Class Lecture	After the Class, Students will be able to:	1) Drafting Board, Set Square,	

		(Theory)		Regarding students' problem –resolve their problems.	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	
		37	Chapter 01 – 05 (Theory)	Review Class Lecture	After the Class, Students will be able to: Regarding students' problem –resolve their problems.	6) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve 7) Geometry Box with necessary grade pencils 8) PC with Internet Connection and Sound System 9) Projector 10) Mobile with Internet Connection
		38	Chapter 01 – 05 (Theory)	Review Class Lecture	After the Class, Students will be able to: Regarding students' problem –resolve their problems.	6) Drafting Board, Set Square, Triangular Scale, Steel Scale, French Curve 7) Geometry Box with necessary grade pencils 8) PC with Internet Connection and Sound System

						9) Projector 10) Mobile with Internet Connection
	40	Chapter 01 – 05	Model Test	After the Class, Students will be able to: • Prepare themselves for the final exam.		