GZS School of Architecture and Planning, MRSPTU, Bathinda

Course: B. Arch.
Subject: Architectural Design-III Subject Code: BARC1-317 L S T P: 2 4 0 0
Session: Aug – Dec. 2020 Semester: III Batch: 2019

S.no.	Date	Lecture (L)	Studio/ Practical (S/P)	Tutorial (T)	Topic/s to be Covered
1.	18/8	1	2	-	Introduction to design problem: Games of Shapes
2.	19/8	1	2	-	Basics of House Design
3.	25/8	1	2	-	Design presentation & Review
4.	26/8	1	2	-	Preliminary Design presentation
5.	1/9	1	2	-	Final Design presentation
6.	2/9	1	2	-	Introduction to design problem: School Design
7.	8/9	1	2	-	Basics of School Design
8.	9/9	1	2	-	Concept Development
9.	15/9	1	2	-	Concept Review
10.	16/9	1	2	-	Design presentation & Review
11.	22/9	1	2	-	Role of Natural Light
12.	23/9	1	2	-	Site Planning & Zoning
13.	29/9	1	2	-	Climate & Site Planning
14.	30/9	1	2	-	Road and Parking layout
15.	6/10	-	-	-	1SI Mid Semester Test
16.	7/10	-	-	-	1SI Mid Semester Test
17.	13/10	1	2	-	Design Discussion
18.	14/10	1	2	-	Design Discussion
19.	20/10	1	2	-	Preliminary Design Review
20.	21/10	1	2	-	Design Review
21.	27/10	1	2	-	Design Review
22.	28/10	1	2	-	School Design Final Review
23.	3/11	1	2	-	Introduction to Dispensary Design
24.	4/11	1	2	-	Basic Design concept
25.	10/11	1	2	-	Library and case studies
26.	11/11	1	2	-	Site planning & Zoning
27.	17/11	1	2	-	Role of climate
28.	18/11	1	2	-	Design Review
29.	24/11	-	-	-	2ndMid Semester Test
30.	25/11	-	-	-	2ndMid Semester Test
31.	1/12	1	2	-	Dispensary Preliminary Design Review
32.	2/12	1	2	-	Dispensary Design Final Review
33.	7/12	-	-	-	End Semester Examinations

Remarks/ Site Visits / Case Studies etc. – _____

Subject Incharge: _R Arora 5/10_
KAPIL ARORA

Academic Incharge

Co-Teacher Incharge:

Head of Department

GZS School of Architecture and Planning, MRSPTU, Bathinda

Course: B. Arch.

Subject: BUILDING CONSTRUCTION –III   Subject Code: BARC1-318   L S T P: Lecture, Studio.

Session: AUG.-DEC.2020   Semester: 3RD   Batch: 2019

S.no.	Date	Lecture (L)	Studio/ Practical (S/P)	Tutorial (T)	Topic/s to be Covered
1.	21-8-2020	2	3		Introduction of framed structures
2.	28-8-2020	2	3		Double storey buildings section of load bearing structure.
3.	4-9-2020	2	3		Advantages and disadvantages of R.C.C frame structures.
4.	11-9-2020	2	3		Section through R.C.C. framed double storied building through toilet and staircase showing the details of Foundation, Floor, Window, Lintel, Chajja, Roof, Terrace, Parapet and Coping.
5.	18-9-2020	2	3		Varies types of R.C.C. foundations
6.	25-9-2020	2	3		Types of Shallow foundations
7.	2-10-2020	2	3		MID SEMESTER TEST-1
8.	9-10-2020	2	3		Types of Deep foundations
9.	16-10-2020	2	3		Footing details of R.C.C. columns and beams , joints
10.	23-10-2020	2	3		Section through R.C.C. framed double storied building through toilet and staircase.
11.	30-10-2020	2	3		Birthday of prophet Mohammad sahib (id-e-milad)
12.	6-11-2020	2	3		Introduction to various types of staircase and vocabulary related to construction details with special emphasis on RCC Staircase.
13.	13-11-2020	2	3		Dog logged, open well, Cantilever Staircase.
14.	20-11-2020	2	3		MID SEMESTER TEST-2

Remarks/ Site Visits / Case Studies etc. – N.A. due to covid

Subject In charge: Dr.Bhupinderpal Singh   Co-Teacher In charge: Ar. Gurmeet Kaur, Ar.Nippy Garg
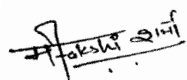
Academic In charge   Head of Department

GZS School of Architecture and Planning, MRSPTU, Bathinda

Course: B. Arch.

Subject: **VISUAL COMMUNICATION- III**   Subject Code: **BARC1- 319**   L S T P: **1 - - 4**

Session: Aug.- Dec. 2020   Semester: 3RD   Batch: 2019

S.no.	Date	Lecture (L)	Studio/ Practical (S/P)	Tutorial (T)	Topic/s to be Covered
1.	18/08/2020	1	2	-	Introduction of Syllabus and basic Software's uses in Architecture
2.	20/08/2020	-	2	-	Advanced Introduction to Auto Cad & basic commands (commands of different lines)
3.	25/08/2020	1	2	-	Lecture on basic commands (like copy, move, block, Mirror, fillet, Join, Break, Scale,Stretch etc.)
4.	27/08/2020	-	2	-	Lecture on basic commands (like layers, lineweight, Dimensions)
5.	01/09/2020	1	2	-	Share Autocadd commands pdf on google classroom and explain in detail
6.	03/09/2020	-	2	-	Lecture on basic commands (like layers, Properties)
7.	08/09/2020	1	2	-	Lecture on basic commands (like Dimensions, text, Table, use of leader etc)
8.	10/09/2020	-	2	-	Introduce Assignment – 1 and discuss doubts regarding assignment
9.	15/09/2020	1	2	-	Lecture on basic commands (like Print, set drawing on scale in layout sheet)
10.	17/09/2020	-	2	-	Doubts and discussion on Advances AutoCAD 2d
11.	22/09/2020	1	2	-	Introduce basic AutoCAD -3d software
12.	24/09/2020	-	2	-	Lecture on AutoCAD - 3d basic commands
13.	29/09/2020	1	2	-	Continue Lecture on AutoCAD - 3d & Discuss on doubts
14.	01/10/2020	-	2	-	*MST- I week*
15.	06/10/2020	1	2	-	*MST- I week*
16.	08/10/2020	-	2	-	Doubts and discussion on Advances AutoCAD 2d & 3d
17.	13/10/2020	1	2	-	Doubts and discussion & Studio work
18.	15/10/2020	-	2	-	Introduce Photoshop Software
19.	20/10/2020	1	2	-	Basic Commands of Photoshop (like import, export of auto cad files)
20.	22/10/2020	-	2	-	Basic Commands of Photoshop (Scale of sheet on appropriate sheet size)
21.	27/10/2020	1	2	-	Introduce all commands and their shortcuts of Photoshop
22.	29/10/2020	-	2	-	Introduce all commands and their shortcuts of Photoshop
23.	03/11/2020	1	2	-	Introduce assignment on Photoshop
24.	05/11/2020	-	2	-	Doubts and discussion on Photoshop assignment
25.	10/11/2020	1	2	-	Doubts and discussion & Studio work
26.	12/11/2020	-	2	-	Expert lecture on Revit Software
27.	17/11/2020	1	2	-	Doubts and discussion & Studio work
28.	19/11/2020	-	2	-	---- Studio work----

29.	24/11/2020	1	2	-	*MST- II*

Remarks/ Site Visits / Case Studies etc.: _____

Subject Incharge   Co-Teacher Incharge
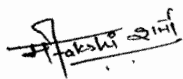
Academic Incharge   Head of Department

GZS School of Architecture and Planning, MRSPTU, Bathinda

Course: **B. Arch. /** M. Arch. / M. Planning

Subject: **Building Science & Technology – III**   Subject Code: **BARC1-323**   L S T P: **2 0 0 0**

Session: Aug – Dec. 2020   Semester: 3RD   Batch: 2019

S.no.	Date	Lecture (L)	Studio/ Practical (S/P)	Tutorial (T)	Topic/s to be Covered
1.	17/08/2020	1	-	-	Introduction of Syllabus and basic definitions
2.	20/08/2020	1	-	-	Unit – 1(a) : Basic Introduction of climatology & Elements of Climate
3.	24/08/2020	1	-	-	Presentation on Micro and macro climate
4.	27/08/2020	1	-	-	Introduction to Climatic zones of India & Introduce Assignment - 1
5.	31/08/2020	1	-	-	Unit – 1(b) : Concept of Thermal Comfort
6.	03/09/2020	1	-	-	Class Test -1
7.	07/09/2020	1	-	-	Unit – 1(b) : Relationship of climatic elements with thermal comfort, Heat stress index
8.	10/09/2020	1	-	-	Climatic zone Presentation: Hot and Dry Climate
9.	14/09/2020	1	-	-	Climatic zone Presentation : Hot and Humid Climate
10.	17/09/2020	1	-	-	Climatic zone Presentation : Composite Climate
11.	21/09/2020	1	-	-	Climatic zone Presentation : Cold and cloudy Climate
12.	24/09/2020	1	-	-	Climatic zone Presentation : Moderate climate
13.	28/09/2020	1	-	-	Climatic zone Presentation : Cold and dry climate
14.	01/10/2020	1	-	-	*M.S.T-1*
15.	05/10/2020	1	-	-	*M.S.T-1*
16.	08/10/2020	1	-	-	Unit – 1(b): Effective temp. & Bio-climatic chart
17.	12/10/2020	1	-	-	Unit – 2(a): Concept of U- value, Heat balance equation of buildings
18.	15/10/2020	1	-	-	Unit – 2(a): Convection, Conduction, Radiation, Conductance, Resistance, Transmittance etc.
19.	19/10/2020	1	-	-	Unit – 2(b): Solar radiation, Position of sun and methods of recording it, Solar penetration inside buildings, Solar charts
20.	22/10/2020	1	-	-	Unit – 2(b): Design of shading devices, Solar azimuth angle, Solar altitude angle, Shadow angle protector
21.	26/10/2020	1	-	-	Revision and discussion of Unit - 2
22.	29/10/2020	1	-	-	Class test - 2
23.	02/11/2020	1	-	-	Unit – 3(a): Study of diurnal and seasonal variations, Ventilation – Introduction and its mechanism
24.	05/11/2020	1	-	-	Unit – 3(a): Air movement within and around buildings, Wind direction, speed and its impact on design of window openings, Effect of wind on design and siting of buildings.
25.	09/11/2020	1	-	-	Unit – 3(b): Importance of orientation
26.	12/11/2020	1	-	-	Unit – 3(b): Site selection and site planning
27.	16/11/2020	1	-	-	Unit – 3(b): Application of climatic factors on design of

					indigenous shelters for various climatic zones.
28.	19/11/2020	1	-	-	Revision and discussion of Unit - 3
29.	23/11/2020	1	-	-	*M.S.T-2*

Remarks/ Site Visits / Case Studies etc. –_____

Subject Incharge: Co-Teacher Incharge:

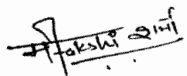Academic Incharge   Head of Department

GZS School of Architecture and Planning, MRSPTU, Bathinda

Course: B. Arch. / M. Arch. / M. Planning

Subject: **Landscape Architecture - I**   Subject Code: **BARC1-536**   L S T P: **2 0 0 0**

Session: Aug – Dec. 2020   Semester: 5TH   Batch: 2018

S.no.	Date	Lecture (L)	Studio/ Practical (S/P)	Tutorial (T)	Topic/s to be Covered
1.	19/08/2020	1	-	-	Introduction of Syllabus and basic definitions
2.	21/08/2020	1	-	-	Basic Introduction of Landscape architecture, basic definitions & process of design with suitable examples
3.	26/08/2020	1	-	-	Presentation on Elements of landscape both Natural and man-made are explained with sketches
4.	28/08/2020	1	-	-	Presentation on Element of Landscape Architecture & Introduce Assignment - 1
5.	02/09/2020	1	-	-	Introduce Assignment – 2 (Gardens), Explain importance, uses, advantages and disadvantages of Garden study.
6.	04/09/2020	1	-	-	Discussion on doubts of Assignment - 2
7.	09/09/2020	1	-	-	Presentation of Plant characteristics, plant propagation and impact of climate, soil and manure
8.	11/09/2020	1	-	-	Garden presentations : Mughal Gardens & share 2-3 books of landscape architecture for reference of trees, shrubs, creepers & cacti bushes in India. (Pdf format) – Google Classroom
9.	16/09/2020	1	-	-	Garden presentations : Italian Gardens & Introduce Landscape Design problem - 1
10.	18/09/2020	1	-	-	Presentation on Indoor plants (Benefits & types with characteristics) & Cacti bushes
11.	23/09/2020	1	-	-	Garden presentations : Chinese Gardens
12.	25/09/2020	1	-	-	Presentation on Trees of India (Benefits & types with characteristics)
13.	30/09/2020	1	-	-	Presentation on shrubs of India (Benefits & types with characteristics)
14.	02/10/2020	1	-	-	*Mahatma Gandhi Jayanti*
15.	07/10/2020	1	-	-	*M.S.T - 1*
16.	09/10/2020	1	-	-	Garden presentations : French Gardens
17.	14/10/2020	1	-	-	Presentation on principles of Landscape Architecture
18.	16/10/2020	1	-	-	*-----Holiday-----*
19.	21/10/2020	1	-	-	Presentation on Hardscape & softscape elements of landscape & Discussion on design problem
20.	23/10/2020	1	-	-	Garden presentations : English Gardens
21.	28/10/2020	1	-	-	Pending presentations of Gardens
22.	30/10/2020	1	-	-	Presentation on site surveys: types, relevance, components; Functional and technical factors in site planning
23.	04/11/2020	1	-	-	-----Discussion on Landscape design problem-----
24.	06/11/2020	1	-	-	-----Discussion on Landscape design problem-----
25.	11/11/2020	1	-	-	-----Discussion on Landscape design problem-----

26.	13/11/2020	1	-	-	-----Discussion on Landscape design problem-----
27.	18/11/2020	1	-	-	Revision of Syllabus
28.	20/11/2020	1	-	-	*M.S.T - 2*
29.	25/11/2020	1	-	-	*M.S.T - 2*

Remarks/ Site Visits / Case Studies etc. –_____

Subject Incharge: Co-Teacher Incharge:

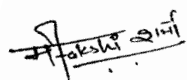Academic Incharge   Head of Department

GZS School of Architecture and Planning, MRSPTU, Bathinda

Course: B. Arch.

Subject: **VISUAL COMMUNICATION- III**   Subject Code: **BARC1- 319**   L S T P:**1 - - 4**

Session: Aug.- Dec. 2020   Semester: 3RD   Batch: 2019

S.no.	Date	Lecture (L)	Studio/ Practical (S/P)	Tutorial (T)	Topic/s to be Covered
1.	18/08/2020	1	2	-	Introduction of Syllabus and basic Software's uses in Architecture
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15.	06/10/2020	1	2	-	*MST- I week*
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27.	17/11/2020	1	2	-	Doubts and discussion & Studio work
28.	19/11/2020	-	2	-	---- Studio work----

29.	24/11/2020	1	2	-	*MST- II*

Remarks/ Site Visits / Case Studies etc.:

Subject Incharge   Co-Teacher Incharge

Academic Incharge   Head of Department