



# DAYANANDA SAGAR COLLEGE OF ARCHITECTURE

Dayananda Sagar Institutions, Bengaluru  
Shavige Malleshwara Hills, Kumaraswamy layout, Bangalore - 560 078



## ACADEMIC YEAR B.ARCH SAMPLE LESSON PLANS 2020-2021

*Ramesh*  
PRINCIPAL  
DAYANANDA SAGAR COLLEGE OF ARCHITECTURE  
DAYANANDA SAGAR INSTITUTIONS  
Shavige Malleshwara Hills,  
Kumaraswamy Layout, Bangalore - 560 111.



Course	B.ARCH	<b>COURSE OBJECTIVE:</b>	FACULTY TOOLS
LP_prepared by Faculty	Surabhi M.	1. To develop the ability to generate solutions to spatial constructs, which integrate principles of design with functional requirements.	PPT and Black/white Board to explain concepts
Subject	AD 1	2. To develop an understanding of the holistic role of an Architect and Architecture in society.	Videos to demonstrate concepts and details.
Code	1BARCH11	3. To introduce students to point-line, plane, mass, 2D/3D forms, concepts like addition, subtraction, volume, scale, proportion and principles of design like rhythm, contrast	Reference books with extracted chapters photocopied or scanned
Sem	I Sem	4. To introduce students to the importance of usage of brick bonds and different kinds of stone masonry.	E-books with relevant chapters highlighted
Semester /Year	ODD 2020	5. To assist students in understanding the relationship between concept, function and form which is an intrinsic part of the design process.	Site visits to show and experience actual construction aspects
CIA	50	6. To introduce students to the process of alternative methods of concept generation in design	Hands-on Workshops and Model Making Exercises for better spatial understanding.

Week No.	MODULE	Topic to be Covered	Description	RESOURCES & MODE	ASSIGNMENTS	Faculty Assigned
0	-	-	Orientation program:	Presentations	-	
0	-	-	Orientation program:	Site visit	-	
1	-	-	Introduction to SYLLABUS	Offline Lecture+ video+ PPT	-	
1	Module 1	Importance of	Documentation of local stories	Offline Lecture+ video+ PPT	Mindmapping	
2	Module 1	Architect's role in Society	To observe and understand	Offline Lecture+ video+ PPT	Onomatopoeia	
2	Module 1	Architect's role in Society	Observing and documenting	Offline Lecture+ video+ PPT	Understanding scales	
3	Module 1	Understanding of	Representation through points	Offline Lecture+ video+ PPT	Measured Drawings (swivel Chair)	
3	Module 1	Understanding of		Offline Lecture+ video+ PPT	Newspaper / Newsletter	
4	Module 2		To learn basic design principles	Offline Lecture+ video+ PPT	Title Design (Abstraction)	
4	Module 2			Offline Lecture+ video+ PPT	Title Design (Abstraction) PPT	
5	Module 2			Offline Lecture+ video+ PPT	Postcard design	
5	Module 2			Offline Lecture+ video+ PPT	Anthropometry Standards 1	
6	Module 2			Offline Lecture+ video+ PPT	Anthropometry Standards 2	
6	Module 2	CIA 1	scales(tape) , swivel chair, anthropometry sheet 1 and 2, tile design, postcard	pin up review		
7	Module 3		Anthropometry -	Offline Lecture+ video+ PPT	Anthropometry Standards 3	
7	Module 3		Study of Standard	Offline Lecture+ video+ PPT	Anthropometry Standards 4	
8	Module 3		User's data, movement and	Offline Lecture+ video+ PPT	Ikea live case study	
9	Module 3	What is an Idea or	Case Study	Offline Lecture+ video+ PPT	Ikea live case study model	
9	Module 3	Introduction to the various methods of idea / concept generation - use of form, patterns in nature and in geometry, music, text, and other allied fields.		Offline Lecture+ video+ PPT	Principles of Design	
10	Module 4			Offline Lecture+ video+ PPT	Principles of Design	NR/SAM/KPR/MH/RVN
10			<b>Case Study Visit</b>			
11	Module 4		Case Study	Offline Lecture+ video+ PPT	Design Exercise Case study	
11	Module 4	CIA 2		Offline Lecture+ video+ PPT		
12	Module 4	Concepts of volume and scale, width to height ratio.	Inference, Concept, Bubble diagram	Offline Lecture+ video+ PPT	Plans	
12	Module 4	Design of Spaces such as a pavilion, gazebo, kiosk, bus stop, stage, (outdoor spaces) living/dining, bedrooms, (indoor spaces) Architect's office, Doctor's clinic, etc. (Utilitarian Spaces) ( anyone in each category)	Mind mapping, Site plan, Detailed floor plan, Elevations 1, Elevations 2	Offline Lecture+ video+ PPT	Elevations	
13	Module 5		Sections 1, Sections 2	Offline Lecture+ video+ PPT	Sections & Details	
13	Module 5		Model	Offline Lecture+ video+ PPT	Physical model	
14	Module 5		Model	Offline Lecture+ video+ PPT	Physical model	
14	Module 5	CIA 3		Offline Lecture+ video+ PPT		
15	Module 5	Review		Offline Lecture+ video+ PPT		
15	Module 5	Review		Offline Lecture+ video+ PPT		
16	Module 5	Review		Offline Lecture+ video+ PPT		
16	Module 5	Draft review	Submission will include Idea generation, Study models, Sketches, and drawings to achieve the desired results.	Offline Lecture+ video+ PPT		
17	Module 5	Final Portfolio Submission		Offline Lecture+ video+ PPT		
17	Module 5	Final Portfolio Submission		Offline Lecture+ video+ PPT		

EVALUATION	IMPORTANT NOTE	Site Visits/TALKS/WORKSHOPS	DATE
85%	ATTENDANCE requirement for internal tests eligibility:		
	TEST 01		
	TEST 02		
	TEST 03		

**REFERENCES: DSCA library**

- 1) Paul Jacques Grillo, "Form, Function and Design", 1975, Dover Publications, New York
- 2) Time-Saver Standards for Interior Design & Planning book
- 3) Human dimension & interior space: Book by Julius Panero
- 4) François Blanciak, "Siteless: 1001 Building Forms", 2008, MIT Press
- 5) Frank Ching, James F. Eckler, "Introduction to Architecture", 2012, John Wiley & Sons, US
- 6) Frank D.K. Ching, "Architecture: Form, Space, and Order", 4th Edition, Sep, 2014, John Wiley & Son
- 7) Herman Hertzberger, "Lessons for Students in Architecture", 2005, 010 Publishers
- 8) John Berger, "Way of Seeing", 1972, Penguin, UK
- 9) John Hancock Callender, "Time-Saver Standards for Architectural Design Data", 1982.

**REFERENCES: Other**

- Course Out come: At the end of the semester, the students should:**
1. Understand an overview of architectural education, responsibilities of an architect and the relationship between architecture and other disciplines of knowledge
  2. Observation, study and documentation of local architectural landmarks and local stories related to architecture using architectural methods of representation
  3. Understand point, line, plane, mass, 2D/3D forms, concepts like addition, subtraction, volume, scale, proportion and principles of design like rhythm, contrast, balance and symmetry
  4. Understand the relevance of anthropometry and its relationship to function and form in architectural design
  5. Understand the relationship between concept, function and form
  6. Understand the process of alternative methods of concept generation in design

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C A

Course	B.ARCH	<b>COURSE OBJECTIVE:</b>	<b>FACULTY TOOLS</b>
IP_prepared by Faculty	B B Prakash .	<b>1. To orient students to the importance of materials and methods of construction with an overview of a simple masonry building and its components like foundation, walls and fenestrations.</b> <b>2. To help them understand various conventions used for drawing plan, section and elevation.</b> <b>3. To introduce students to the most common building materials like brick, stone &amp; timber - their types, properties, uses and</b> <b>4. To introduce students to the importance of usage of brick bonds and different kinds of stone masonry.</b> <b>5. To help students understand the components of fenestration like arches, lintels, doors and windows.</b> <b>6. To sensitize students to the usage of alternative building materials like, clay blocks, fly ash blocks, aerated concrete blocks and stabilized mud blocks and their significance in sustainable architecture.</b>	PPT and Black/white Board to explain concepts
Subject	MMBC 1		Videos to demonstrate concepts and fixing details.
Code	18 ARC12		Reference books with extracted chapters photocopied or scanned
Sem	I		E-books with relevant chapters highlighted
session/Year	ODD2020		Site visits to show and experience actual construction aspects
CIA	50		Hands-on Workshops and Model Making Exercises for better spatial understanding.
SEE	50		

Week No.	Duration	MODULE	Topic to be Covered	Description	RESOURCES & MODE	ASSIGNMENT	Faculty Assigned
1	5		Introduction to SYLLABUS	Orientation program: Importance of Building Construction in Architecture. Materials - Construction - Design of Buildings	Offline Lecture+ video+ PPT	Plate 3 : Styles of Lettering Plate 1: Relevance of MMBC (Assignment)	VK/SR/RA
1	2	Module 1	Drawing conventions	Various conventions used for drawing plan, section and elevation.	Offline Lecture+ video+ PPT	Introduction to Drawing & Drafting conventions	VK/SR/RA
2	5	Module 1	Drawing conventions	Various conventions used for drawing plan, section and elevation.	Offline Lecture+ video+ PPT	Plate 2: Drawing & Drafting conventions	VK/SR/RA
2	2	Module 1	Brick as a building material	Types, properties, uses and manufacturing methods of brick	Offline Lecture+ video+ PPT	Plate 4 : Manufacture of Bricks	VK/SR/RA
3	5	Module 1	Brick Masonry	Type of bonds- English, Flemish, Rat-trap and walls, Mortar types, Plasters.	Offline Lecture+ video+ PPT	Introduction to Brick Bonds and making of model.	VK/SR/RA
3	2	Module 1	Brick Masonry	Type of bonds- English, Flemish, Rat-trap and walls, Mortar types, Plasters.	Offline Lecture+ video+ PPT	Plate 5: Brick and Brick bat & closures	VK/SR/RA
4	5	Module 1	Brick Masonry	Type of bonds- English, Flemish, Rat-trap and walls, Mortar types, Plasters.	Offline Lecture+ video+ PPT	Plate 5: Brick and Brick bat & closures	VK/SR/RA
4	2	Module 1	Overview of a simple masonry building	Various components and materials used for construction of a simple masonry building	Offline Lecture+ video+ PPT	Plate 6: Brick Bonds	VK/SR/RA
5	5	Module 1	Overview of a simple masonry building	Various components and materials used for construction of a simple masonry building	Offline Lecture+ video+ PPT	Plate 6: Brick Bonds Assignment : Brick Masonry Tools & Joints	VK/SR/RA
5	2	Module 1	Brick Arches, intels and buttresses	Types of arches- Flat, semicircular, segmental, equilateral.	Offline Lecture+ video+ PPT	Plate 7: Brick Lintels & Arches	VK/SR/RA
6	5	Module 1	Brick Arches, intels and buttresses	Types of arches- Flat, semicircular, segmental, equilateral.	Offline Lecture+ video+ PPT	Plate 7: Brick Lintels & Arches	VK/SR/RA
6	2	Module 1	Brick Arches, intels and buttresses	Types of arches- Flat, semicircular, segmental, equilateral.	Offline Lecture+ video+ PPT	Plate 8: Brick Arches	31/01/2023 VK/SR/RA
7	5	Module 1	Brick Arches, intels and buttresses	Types of arches- Flat, semicircular, segmental, equilateral.	Offline Lecture+ video+ PPT	Plate 8: Brick Arches	02-03-2023 VK/SR/RA
7	2	Module 2	Stone as a building material & Stone masonry	Types, properties, quarrying and finishing. Types of stone masonry.	Offline Lecture+ video+ PPT	Plate 9: Stone - Quarrying and finishing of stone. Stone Masonary types	03-03-2023 VK/SR/RA
8	5	Module 2	Stone as a building material & Stone masonry	Types, properties, quarrying and finishing. Types of stone masonry.	Offline Lecture+ video+ PPT	Plate 9: Stone - Quarrying and finishing of stone. Stone Masonary types	7/03/2023 & 10/03/2023 VK/SR/RA
8	2	Module 3	Alternative building materials for wall constructions	CMU: Hollow and solid concrete Blocks: Manufacture, uses and properties, CMU Wall construction and detailing.	Offline Lecture+ video+ PPT	Plate 10: CMU	14/03/2023 VK/SR/RA
9	5	Module 3	Alternative building materials for wall constructions	CMU: Hollow and solid concrete Blocks: Manufacture, uses and properties, CMU Wall construction and detailing. Clay Blocks, Fly Ash Blocks, Aerated Concrete Blocks, Stabilized Mud Blocks and Glass Blocks: Manufacture, uses and properties, wall construction and detailing.	Offline Lecture+ video+ PPT	Group Presentation by Students	02-07-2023 VK/SR/RA
9	2	Module 3	Alternative building materials for wall constructions	CMU: Hollow and solid concrete Blocks: Manufacture, uses and properties, CMU Wall construction and detailing. Clay Blocks, Fly Ash Blocks, Aerated Concrete Blocks, Stabilized Mud Blocks and Glass Blocks: Manufacture, uses and properties, wall construction and detailing.	Offline Lecture+ video+ PPT	Plate 11: Alternative Building Materials Plate 12 : Detail of one alternative building material	VK/SR/RA
10	5	Module 4	Brick & Stone Foundations	Simple load bearing foundations in brick and stone.	Offline Lecture+ video+ PPT	Plate 13: Brick and Stone Masonary foundation	17/3/2023 VK/SR/RA

  
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10	2	Site Visit						VK/SR/RA
11	5	Module 4	Timber as a building material	Type, Quality, Properties, Defects, Seasoning and Preservation.	Offline Lecture+ video+ PPT	Plate 14: Timber and timber joints	02-07-2023	VK/SR/RA
11	2	Module 5	Wooden Doors & Windows	Battened, Ledged, Braced, Paneled, flush and glazed	Offline Lecture+ video+ PPT	Introduction to Doors & Windows		VK/SR/RA
12	5	Module 5	Wooden Doors & Windows	Battened, Ledged, Braced, Paneled, flush and glazed	Offline Lecture+ video+ PPT	Plate 15: Types of Doors	21/02/2023	VK/SR/RA
12	2	Module 5	Wooden Doors & Windows	battened, ledged, braced, paneled, flush and glazed	Offline Lecture+ video+ PPT	Plate 15: Types of Doors		VK/SR/RA
13	5	Module 5	Wooden Doors & Windows	battened, ledged, braced, paneled, flush and glazed -	Offline Lecture+ video+ PPT	plate 16: Detail of a Door	24/02/2023	VK/SR/RA
13	2	Module 5	Wooden Doors & Windows	battened, ledged, braced, paneled, flush and glazed	Offline Lecture+ video+ PPT	plate 16: Detail of a Door		VK/SR/RA
14	5	Module 5	Wooden Doors & Windows	Types of Wooden Windows & Ventilator : Casement, Top Hung & Fixed Types; Details of Joinery	Offline Lecture+ video+ PPT	plate 17: Types of Windows	17/02/2023	VK/SR/RA
14	2	Module 5	Wooden Doors & Windows	Types of Wooden Windows & Ventilator : Casement, Top Hung & Fixed Types; Details of Joinery	Offline Lecture+ video+ PPT	plate 17: Types of Windows		VK/SR/RA
15	5	Module 5	Wooden Doors & Windows	Types of Wooden Windows & Ventilator : Casement, Top Hung & Fixed Types; Details of Joinery	Offline Lecture+ video+ PPT	plate 18: Detail of Window	14/02/2023	VK/SR/RA
15	2	Module 5	Wooden Doors & Windows	Types of Wooden Windows & Ventilator : Casement, Top Hung & Fixed Types; Details of Joinery	Offline Lecture+ video+ PPT	plate 18: Detail of Window		VK/SR/RA
<b>EVALUATION</b>				<b>Site Visits/ TALKS/WORKSHOPS</b>	<b>DATE</b>			
<b>BREAK UP OF MARKS: CIA</b>		<b>IMPORTANT NOTE</b>		<b>BEICK WORKSHOP</b>	<b>28/02/2023</b>			
SHEETS	30 Mark	Attendance requirement for internal tes						
CIA	10 Mark							
MODELS	10 Mark	TEST 01	85%					
		TEST 02						
		TEST 03						

**REFERENCES: DSCA library**

- 1) Emitt & Gorse (2006), "Barry's Advanced Construction of Buildings", Second Edition, Wiley India Pvt. Ltd.
- 2) Francis, D.K. (2008), "Building Construction Illustrated", Fourth Edition, Wiley India Pvt. Ltd.
- 3) Mackay, J.K. (2015), "Building Construction", Fourth Edition, Pearson India.
- 4) Roy Chudley (2014), "Construction Technology" Second Edition, Pearson India.

**REFERENCES: Other**

- 7) Varghese P.C. (2015), "Building Materials", Second Edition, PHI Learning Pvt. Ltd.


**Course Out come:At the end of the semester, the students should :**

1. Understand the importance of materials and methods of construction with an overview of a simple masonry building and its components like foundation, walls and fenestrations.
2. Be conversant with various conventions used for drawing plan, section and elevation.
3. Have a knowledge of the most common building materials like brick, stone & timber - their types, properties, uses and manufacturing methods.
4. Understand the importance of usage of brick bonds and different kinds of stone masonry.
5. Comprehend the components of fenestration like arches, lintels, doors and windows.
6. To be sensitized to the usage of alternative building materials like, clay blocks, fly ash blocks, aerated concrete blocks and stabilized mud blocks and their significance in sustainable architecture.

*Rawab*

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<b>Course</b>	B.Arch		 DAYANANDA SAGAR COLLEGE OF ARCHITECTURE		D S C A
<b>Faculty</b>	NZM,				
<b>Subject</b>	ARCHITECTURAL GRAPHICS I				
<b>Code</b>	18ARC 13				
<b>Semester</b>	I				
<b>session/ye</b>	Odd 2020				
<b>Week No.</b>	<b>Hours</b>	<b>Syllabus Topic</b>		<b>Description</b>	<b>Handled by</b>
1	4	Topic 1	Introduction to lines	Introduction to lines, Exercises in line - weightage and its application (Sheet 1 & 2)	NZM,PAM
2	4	Topic 2	Exercise on lettering- capital block, small case etc	Lettering used in architectural drawings, including different fonts. (Sheet 3,4&5)	NZM,PAM
3	4	Makara Sankranti Festival Holiday			
4	4	Topic 1&6	Material rendering	Representation of different material in architectural drawings. (Sheet 7&8)	NZM,PAM
INTERNAL - I					
5	4	Topic 9	3D Projections-I	Isometric and Axonometric views of solids and architectural elements (Sheet 9)	NZM,PAM
6	4	Topic 7&10	3D Projections-II, Introduction to orthographic projection-I	Isometric and Axonometric views of built forms. (Sheet 10) Principles of orthographic projection, projections of points, lines. (Sheet 11)	NZM,PAM
7	4	Topic 8	Orthographic projection- II	Orthographic Projection of Planes in different positions, Orthographic projection of Solids, architectural elements and built forms (Sheet 12)	NZM,PAM
8	4	Topic 4	Arches	Typical arch shapes and their construction methods (Sheet 13)	NZM,PAM
9	4	Topic 3	Introduction to Euclidian Geometry	Exercises in lines and angles. (Sheet 14) Basic geometrical constructions, construction of triangles. (Sheet 15)	NZM,PAM
INTERNAL - II					
10	4	Topic 3	Introduction to Euclidian Geometry	Basic geometrical constructions, quadrilaterals and regular polygons. (Sheet 16)	NZM,PAM
11	4	Topic 5	Introduction to plane curves	Construction methods of Ellipse. (Sheet 17&18)	NZM,PAM
12	4	Topic 5	Introduction to plane curves	Construction methods of Parabola. (Sheet 19&20)	NZM,PAM
13	4	Topic 5 & 6	Introduction to plane curves	Construction methods of Hyperbola. (Sheet 21) Introduction to reduced scales and its application to architectural drawings. (Sheet 22)	NZM,PAM
INTERNAL - III					
<b>MARKING SCHEME - TERM WORK=50</b>		<b>FINAL PORTFOLIO</b>			
TOTAL 22 SHEETS = 200 MARKS		CIA1=50 MARKS		TOTAL MARKS = 200 + 25 = 225 converted to 50	
PORTFOLIO = 25 MARKS		CIA2= 70 MARKS			
		CIA3= 70 MARKS			
<b>References:</b>					
Engineering Drawing by K Venkatreddy					
Geometrical Drawing for Arts Students by IH Morris					
Perspective by SH Mullik					
Engineering Drawing by KR Gopalakrishna					
Architectural Graphics by D.K Ching					

  
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## DAYANANDA SAGAR COLLEGE OF ARCHITECTURE

D S  
C A

Course	B.Arch
Lp prepared by Faculty	PAM
Subject	History of Architecture
Code	18ARC14
Semester	I
session/yea	Odd 2020

Week No.	Hours	Date	Topic to be Covered	Description
3	2	Day 1	M2: Introduction to river valley cultures	Generic forces shaping settlements and habitats.
		Day 2		Forces shaping settlements and habitats, E.g.: Mehrgarh,+ [Layout of Mohenjo-Daro, dwellings and monumental architecture (House plan, Community well, Great Bath, Granary)]
3	2		M3: Indus Valley	
4	2	Day 3	M3: Indus Valley	Continued
4	2	Day 4	M3: Indus Valley	Continued
5	2	Day 5	M3: Mesopotamia (Tigris and Euphrates)	Forces shaping settlements and habitats
5	2	Day 6	M3: Mesopotamia; Ziggurat Typology	Ziggurats at Warka, Ur and Tchoga Zanbil
CIA - 1				
6	2	Day 7	M3: Mesopotamia; Palace typology	Palace of Sargon
6	2	Day 8	M3: Egyptian Civilization (Nile)	Forces shaping settlements and habitats(funerary and sacred spaces)
		Day 9	M3: Egyptian Civilization: Funerary and Sacred Spaces	
7	2			Mastabas, Pyramid complex, Temple of Khons, Karnak.]
7	2	Day 10	M5: Persia Achaemenid	Tomb of Cyrus, Pasargadae,
8	2	Day 11	M5: Persia Achaemenid	Palace of Persepolis
8	2	Day 12	M5: Persia Achaemenid	Palace of Persepolis_Continued
		Day 13	M4: Chinese Civilization (Yellow and Yangtze)	Forces shaping settlements and habitats. Shang dynasty (Layout of Zhengzhou, Palace and Tomb at Yin), Zhou dynasty (ritual complex and Wangcheng Plan).
9	2	Day 14	M4:Japanese Civilization	Forces shaping settlements and habitats. E.g.:Jōmon and Yayoi Period (dwellings), Kofun Period (burial mounds/ tumulus
CIA - 2				
10	2	Day 15	M5: Pre-Classical - Indian Subcontinent	Aryan and earlyMauryan architectural developments
10	2	Day 16	M5: Pre-Classical - Indian Subcontinent	Vedic village, Vedic Town and city planning principles (mandalas), Palace at Pataliputra.
11	2	Day 17	M5: Pre-Classical- Mycenaean, Etruscan	Introduction and factors shaping the settlement and habitat. It's relationship to Persian.'
11	2	Day 18	M5: Mycenaean	Lion Gate and Treasury of Atreus, Mycenae; Palace of Tiryns (megaron)
12	2	Day 19	M5: Etruscan	Etruscan Temples- Juno Sospita, Lanuvium
CIA - 3				
13	2	Day 20	Revision	Revision
13	2	Day 21	Revision	Revision

**NOTE:**

Attendance requirement 85% mandatory

Credits: 3

CIE:50, SEE: 100

TOTAL HRS:48

**CIE MARKING CRITERIA**

TESTS: 30 M

ASSIGNMENT 1: 10 Marks

ASSIGNMENT 2 : 5 Marks

ASSIGNMENT 3 : 5 Marks

**REFERENCES:**

Satish Grover, "Buddhist and Hindu Architecture in India", CBS Publishers and Distributors,

Percy Brown, "Indian Architecture Buddhist and Hindu", Read Books, 2010.

Sir Banister Fletcher; edited by Dan Cruickshank, "History of Architecture", CBS Publishers and

Francis D K Chung, Mark M. Jarzombek, Vikramaditya Prakash, "A Global History of Architecture" by Wiley and Sons, 2011.

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**DAYANANDA SAGAR COLLEGE OF ARCHITECTURE**

Dayananda Sagar Institutions, Bengaluru

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**ACADEMIC YEAR**  
**M.ARCH SAMPLE LESSON PLANS**  
**2022-2023**

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DSI, BANGLORE. M. ARCH. INTERIOR DESIGN (AID) - I SEMESTER	
DATE :	02.2.2022 TO 31.6.2022
SUBJECT :	FURNITURE DESIGN & DETAILING
MODULE :	Theory/studio
Faculty :	Asso.Prof.Pratima and Asst.Prof.Kavita

<p><b>Course Overview &amp; Objectives</b></p> <ul style="list-style-type: none"> <li>☐ To facilitate the understanding the concepts of furniture design</li> <li>☐ To enable a better understanding of use of critical judgement in furniture design and detailing</li> <li>☐ To introduce different materials and their applications for various types of furniture</li> </ul> <p>(Method and Practice of Teaching, Self-Study):</p> <ol style="list-style-type: none"> <li>1. The pedagogy will focus on both the theoretical and practical aspects of furniture design</li> <li>2. Factory visits to understand the process of manufacturing furniture</li> <li>3. Seminars and talks from the leading experts in the field will be planned for relevant topics</li> </ol> <p>Visit to leading brand showrooms/studios to understand the anthropometry and current market trends</p>	Pedagogy
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S.No.	DATE & DAY	TOPIC	MODULE	CONTENTS	TARGETS	EVALUATION	REMARKS	
1	THURSDAY 03.2.2022	Unit - I	TH	History & Concepts Of Furniture Design History of furniture from early days to industrial revolution. Study of various styles, systems : products available in the market.	Submission of written report on types of Furniture and illustrating the styles in form of nice sketches.	Descriptive and Visual Connection to the subject observed by each individual student.	10 M	
2	THURSDAY 10.2.2022	Unit - I	TH	Changing phases of history and its influence on furniture style. Evolution of concepts in Furniture design till date and leading to new theories in integrating present scenarios spaces.	To make students prepare PPT on evolution of concepts in Furniture style, implying all the principle and elements reflected onto it.	ASSESSMENT of the ethnographies of each style.	10 M	
3	THURSDAY 17.2.2022	Unit - I	TH/S	Execution of learned Furniture styles into a Restaurant layout or a Resort layout.	ASSESSMENT of the ethnographies of each style.	Practical application of each style in a appropriate manner.	10 M	
4	THURSDAY 24.2.2022	UNIT - II	TH/S	Theory Of Furniture Design & Design Parameters Introduction to Descriptive normative theories, intensive studies of furniture. Applying the same in a assigned illustrations.				
5	THURSDAY 03.3.2022	UNIT - II	TH/S	Theory of manufacturing and usability, beauty and aesthetics of furniture, semiotics of furniture, aesthetics of furniture.				
6	THURSDAY 10.3.2022	UNIT - II	S	Applying the learned outcomes of theory of manufacturing and usability, beauty and aesthetics of furniture, semiotics of furniture, aesthetics of furniture on a mini project.	Closed session on assessing each individual students work.	Successful accomplishment of the unit project as per the guidelines.		
7	THURSDAY 17.3.2022	UNIT - II	S	Applying the learned outcomes of theory of manufacturing and usability, beauty and aesthetics of furniture, semiotics of furniture, aesthetics of furniture on a mini project.	Closed Jury/Review of work.	A mini portfolio to be submitted		
8	THURSDAY 24.3.2022	<b>INTERNAL EXAM UNIT - I AND UNIT - II (50 Marks)</b>						
9	THURSDAY 31.3.2022	UNIT - III	TH	Materials In Furniture Design Orientating to materials Bentwood, tubular steel, plywood, chipboard, plastics, paper.	Types of materials and the history with identification on different applications to be Documented .	Seminar by Students to be assessed.	20 M	
10	THURSDAY 07.4.2022	UNIT - III	TH/S	Its properties, applications and designers who patronized them.		Written Report to be submitted	10 M	
11	THURSDAY 14.4.2022	UNIT - III	TH/S	Studio Exercise .				
12	THURSDAY 21.4.2022	UNIT - IV	TH	Trends In Furniture Design	Case study of a existing best Furniture park and make learnings different types of Furnitures.			
13	THURSDAY 28.4.2022	UNIT - IV	TH	Marcel Breuer, Harry Bertoina, Mario Bellini, Achille Castiglioni, Antonio Gitterio,	Detailed Desktop study on any two designers and their styles.	Detailed report and by illustrating with neat sketches	20 Marks	
14	THURSDAY 05.5.2022	UNIT - IV	TH/S	John Goble, Joe Colombo, Ray Kapap; Charles Eames, Tom Dixon, Gio Ponti, Arne Jacobsen	Understanding the design concepts taking a 7 Star Hotel Furniture as an example to illustrate compositions for visual and functional effects.		20 M	
15	THURSDAY 12.5.2022	UNIT - IV	TH/S	SEMINAR and STUDIO EXERCISE OR Surprise Test- MOCK TEST		Seminar by Students to be assessed.		
16	THURSDAY 19.5.2022	UNIT - V	TH	Florence Knoll, Ross Lovegrove, Mackintosh, Enzo Mari, Verner Panton, Jean Provas, Patricia Urquiola, Philippe Starck, Karim Rashid.	MODULE : Theories and learning's.			
17		<b>INTERNAL EXAM UNIT - III AND UNIT - IV ((50 Marks)</b>						
18	THURSDAY 26.5.2022	UNIT - V	TH	Florence Knoll, Ross Lovegrove, Mackintosh, Enzo Mari, Verner Panton, Jean Provas, Patricia Urquiola, Philippe Starck, Karim Rashid.				

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Course Facu	M.ARCH	<b>COURSE OBJECTIVE:</b>	<b>FACULTY TOOLS</b>
Branch	MASTERS IN ARCHITECTURE	1. To facilitate the understanding of evolution of aesthetics through history	PPT, PDF for notes
Faculty	SHUBHAM KAUSHAL	2. To enable a better understanding of use of critical judgement in design	Videos by various biomimry scientists and talks
Subject	THEORY OF AESTHETICS AND CONCEPTS OF DESIGN	3. To introduce colour and the principles of design and their application	Reference books with extracted chapters photocopied or scanned
Semester	FIRST SEMESTER (ODD SEMESTER)		E-books with relevant chapters highlighted
Year	JAN -MAY 2022		Journal Articles, Essays and Research papers

WEEK	DATE	DURATION	MODULE	CHAPTERS	DETAILS	MODE	RESOURCES	ASSIGNMENT	FACULTY		
INTRO LECTURE BY BHARATHESH GD											
1	14/02/2022	1:30 hrs	1	Introduction To Aesthetics	History of aesthetics – Greek, Indian, African, Arab & Western medieval aesthetics	Lecture	The resource that will be used: PPT/Notes/Video/Guest	Comparative Analysis of similarities and differences of thoughts in different styles	SK		
	15/02/2022	1:30 hrs			Modern aesthetics – AG Baumgarten, Fredrick Wilhelm	Lecture					
2	21/02/2022	1:30 hrs			Joseph Schelling, Adolf Loos Aesthetic realism	Lecture / Reading	"	Group Work - Paper Review/Chapter Review	SK		
	22/02/2022	1:30 hrs			Aesthetics & science.	Lecture / Reading					
3	28/02/2022	1:30 hrs			Crafts in Aesthetics	Lecture					
	01-03-2022	1:30 hrs			Crafts in Aesthetics	Seminar		Development of Crafts and Aesthetics through time for one particular region	SK		
4	07-03-2022	1:30 hrs			2	Concepts of spaces	Introduction to the western aesthetics	Lecture / Reading			
	08-03-2022	1:30 hrs									
CIA 1											
6	14/03/2022	1:30 hrs			2	Concepts of spaces	Discussion Question Paper				
	15/03/2022	1:30 hrs	Indian Aesthetics relating to the spaces, surfaces and interior designing with aesthetics.	Lecture / Reading			"	Interpretation of Aesthetics	SK		
7	21/03/2022	1:30 hrs	Introduction to the western aesthetics & Indian Aesthetics relating to the spaces.	Lecture / Reading			The resource that will be used: PPT/Notes/Video/Guest Lecture etc	Interpretation of Aesthetics	SK		
	22/03/2022	1:30 hrs	Study of relation between the traditions of architecture & aesthetics. Forgotten / transformed	Seminar			"	Forgotten / Transformed Presence of Absence	SK		
8	28/03/2022	1:30 hrs	Introduction to the western aesthetics & Indian Aesthetics relating surfaces and interior designing with aesthetics.	Lecture / Reading							
	29/03/2022	1:30 hrs	Understanding the concept of critical judgment. Criticism as a theory.	Lecture / Reading							
9	04-04-2022	1:30 hrs	3	Critical Judgement & Cognitive Learning			Design related cognitive learning	Discussion and Debate	"		
	05-04-2022	1:30 hrs					Behavioral learning by Extraversion, Intraersion, Sensing, intuition, thinking, feeling, judging etc.	Seminar		Experiential Story telling	SK
CIA 2											
11	11-04-2022		3	Critical Judgement & Cognitive Learning			Discussion Question Paper				
	12-04-2022	1:30 hrs			Behavioral learning by Extraversion, Intraersion, Sensing, intuition, thinking, feeling, judging etc.	Seminar	"	Experiential Story telling	SK		
12	18/04/2022	1:30 hrs			4	Advanced Study on Colour	Physics of colour, spectral colours, colour of objects, Perception, theories of colour – Trichromatic theory, Additive & Subtractive colours.	Lecture / Reading	"		
	19/04/2022	1:30 hrs					Traditional colour theories, colour wheel, RYB colour mode	Lecture / Reading			
13	25/04/2022	1:30 hrs					Warm & cool colours, tint and shades, colour harmony	Lecture / Reading	"	Mood Board for a particular theme	SK
	26/04/2022	1:30 hrs					Psychology of colour, Colour & mood	Seminar		Interpretation of Scenes from Movies	
14	02/ 05/2022	1:30 hrs					Principles of colour psychology, brand meaning.	Seminar	"	Interpretation of Scenes from Ads and packaging	SK
CIA 3											
15	07/ 05/2022	1:30 hrs			5	Space & Form	Principles of design— Unity, harmony, balance, hierarchy, scale & proportion, emphasis, similarity & contrast. Line, colour, shape	Lecture / Reading			
	08/ 05/2022	1:30 hrs	Principles of design— Unity, harmony, balance, hierarchy, scale & proportion, emphasis, similarity & contrast. Line, colour, shape	Discussion and Debate			"				
16	14/ 05/2022	1:30 hrs	Principles of design— texture, space, form, material.	Lecture / Reading							
	14/ 05/2022	1:30 hrs	Principles of design— texture, space, form, material.	Seminar			"	Decoding Poetics of Space	SK		
17											

Revision class with writing of answers to previous VTU Question Papers


Course Outcomes: At the end of the course the student will be able to

- 1. Understand different theories of aesthetics & concepts of Design.
- 2. Understand the philosophies and history of Beauty and aesthetics.
- 3. Use of colour and the sustainable ways of using colour for better design outcome
- 4. Critical Thinking in indian and western influence
- 5. Better knowledge on various terms and vocabulary in History Art and Design

Marking pattern

Assignment 1	20	internal test 01	50	Weightage for test	60%	marks allotted	
Assignment 2	20	internal test 02	50	Weightage for Assignment	40%	marks allotted	
Observational Documentation	20	internal test 03	50				
Observational Documentation	20	Final marking - test	50				

REFERENCE Books

  
 DAYANANDA SAGAR COLLEGE OF ARCHITECTURE  
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Interior Color by Design: A Design Tool for Architects, Interior Designers, and Homeowners. Jonathan Poore, Sandra L. Kagan, 1994

Lighting Spaces No 2, Roger Yee, 2008

The Fundamentals of Interior Architecture. John Coles. Naomi House, 2007

Essay: Spoken into void: The principles of cladding, Adolf Loos. Collected Essays 1897 - 1900

Essay: A Wall of Books: The Gender of Natural Colours in Modern Architecture, William W. Braham, 2003

Colour Harmony Bride M Whelan, 1994

A History of Interior Design- Jhon Pile and Judith Gura | Available at D&CA library

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Course	B.ARCH			<b>COURSE OBJECTIVE:</b>				FACULTY TOOLS		
Branch	ARCHITECTURE			1. To facilitate the understanding the concepts of Carpentry				PPT, PDF for notes		
Faculty	RAJALAKSHMI DESHPANDE, GOPI KRIISHNA			2. To enable learning of wood joinery and detailing				Videos of various documentaries, talks, travel shows, architecture shows		
Subject	WORKSHOP - I			3. To introduce cane as a sustainable material				Quiz and Photomontages		
Subject Code	20AID17			Pedagogy (Method and Practice of Teaching, Self-Study)				E-books with relevant chapters highlighted		
Semester	FIRST SEMESTER (ODD SEMESTER)			1. The pedagogy will focus on rigorous practice of working with wood				Reference books with extracted chapters photocopied or scanned		
Year	2021-22			2. Workshops from the leading experts in the field will be planned for relevant topics						
				3. Visit to sites and factories to understand how products are detailed and finished						
WEEK	DATE	DURATION	MODULE	TOPICS	DETAILED DESCRIPTION	MODE	RESOURCES	ASSIGNMENT	FACULTY	
1	9.02.2022	2:00 hrs	1	WOOD – Introduction	Introduction to different types of wood - <b>Engineering wood and Natural wood.</b> Manufacturing process, Types, Physical properties, structure, colour, water content, behavioural understanding of wood as material.	Offline Lecture	PPT / Notes / Videos	Presentation on Different Wood and properties	RD, GK	
					Technical knowledge, information & understanding on Wood, its growth, structure, function, different species, availability, their properties, limitation and use.	Offline Lecture	PPT / Notes / Videos		RD, GK	
2	16.02.2022	2:00 hrs	1	Wood Products	Working with wood & wood products to understand material parameters.	Offline Lecture	PPT / Notes / Videos		RD, GK	
3	23.02.2022	2:00 hrs	1	WOOD – Discussion / Assignment	Assignment 1 introduction	Offline Lecture	PPT / Notes / Videos	<b>Product design</b> - pen stand, mobile stand, based on art movements (Impressionist, destile, modernism, cubism, contemporary, pop art, surrealism, futurism) <b>Story board and product detailing</b>	RD, GK	
4	2.03.2022	2:00 hrs	1	Wood & Joinery	Introduction to types of joinery details. Engineering wood and natural wood.Exploring and understanding different joineries- dovetail, scissor joint etc.. Uses & defects of wood.	Offline Lecture	PPT / Notes / Videos	Sheet on joinery detailing on different wood types	RD, GK	
5	09.03.2022	2:00 hrs	1		Pioneers in wooden products and their philosophy, and the products designed.	Offline Lecture	PPT / Notes / Videos	Presentation on pionners and their products	RD, GK	
<b>CIA 1-MARCH</b>										
6	16.03.2022	2:00 hrs	1	Site Visit	Visit to Mallechwaram's Wood Museum and Interpretation Centre, Institute of Wood Science & Technology, Mallechwaram	Offline Lecture	PPT / Notes / Videos		RD, GK	
7	23.03.2022	2:00 hrs	1	Model Making	Woodworking skills through lecture, demonstration and practical application	Offline Lecture	PPT / Notes / Videos	<b>Product design - Wooden carving block</b>	RD, GK	
8	30.03.2022	2:00 hrs	1	Wood & Joinery- Site Visits	Assignment 1-Introduction	Offline Lecture	PPT / Notes / Videos	<b>Product design - Wooden carving block</b>	RD, GK	
9	6.04.2022	2:00 hrs	2	Carpentry Finishes	Application of veneer / laminates on different timber surfaces.	Offline Lecture	PPT / Notes / Videos	<b>Product design - Wooden carving block</b>	RD, GK	
<b>CIA 2- APRIL</b>										
10	13.04.2022	2:00 hrs		Site visit/ Expert Talk	Visit to Workshop / Museum for wooden joineries / talk by furniture designers / carpenters ( Visitor to be determined) - Talk by expert- Sandeep Sangaru	Offline Lecture	PPT / Notes / Videos		RD, GK	
11	20.04.2022	2:00 hrs	3	Carpentry Finishes	Understanding : Wood polishing, painting and other finishes. Understanding the library of finishes. Polishing, Lacquering & Varnishing materials	Offline Lecture	PPT / Notes / Videos	<b>Product design - polish, paint on the carved wooden block</b>	RD, GK	
12	27.04.2022	2:00 hrs	3	Carpentry Finishes	Assignment 2 -Introduction	Offline Lecture	PPT / Notes / Videos	<b>Product design - polish, paint on the carved wooden block</b>	RD, GK	
13	4.04.2022	2:00 hrs		Site visit	Indian Plywood Industries Research and Training Insitute, Bangalore	Offline Lecture			RD, GK	
14	11.04.2022	2:00 hrs	4	Ornamental Detailing	Understanding the techniques of Engraving & carving with examples	Offline Lecture	PPT / Notes / Videos	Presentation on techniques and tool styles	RD, GK	
<b>CIA 3 MAY</b>										
15	18.04.2022	2:00 hrs	4	Ornamental Detailing	Visit to Workshop / Museum for ornamentation work	Offline Lecture	PPT / Notes / Videos	<b>Group Product design - Live scale furniture</b>	RD, GK	
			4	Ornamental Detailing	Practice in wood turning & Patternmaking	Offline Lecture	PPT / Notes / Videos		RD, GK	
			4	Ornamentation discussion / assignment	Assignment 3 - Introduction	Offline Lecture	PPT / Notes / Videos	Presentation on interior Ornamentation	RD, GK	
16	25.04.2022	2:00 hrs	5	Cane	Introduction to the types of cane.	Offline Lecture	PPT / Notes / Videos	<b>Group Product design - Live scale furniture</b>	RD, GK	
				Site visit	Institute of Wood Science and Technology, Bangalore	Offline Lecture	PPT / Notes / Videos	<b>Group Product design - Live scale furniture</b>	RD, GK	
17	01.05.2022	2:00 hrs	5	Cane	Different properties – joinery & its finishes Colour & surface quality	Offline Lecture	PPT / Notes / Videos	<b>Product design - Small scale cane product using different material representation.</b>	RD, GK	
			5		Exploration of existing Cane & Bamboo joineries & their application in product making.				RD, GK	

18	8.05.2022	2:00 hrs			Market Study for various materials.			Product design - Small scale cane product using different material representation.	RD, GK
Submission of all pending assignments and final marking									
Submission of all pending assignments and final marking									
<b>COURSE OUTCOMES- AT THE END OF THE COURSE THE STUDENT WILL BE ABLE TO :</b>									
1. Develop skills for Wood Joinery Details.									
2. Carpentry finishes.									
3. Ornamental detailing and cane work.									
<b>MARKING PATTERN</b>									
Assignments	20			Assessment Details (CIE only) <b>Continuous Internal Evaluation:</b> The CIE will be based on Internal assessment. The students will be assessed on the completion of the exercises given in the workshop.	Marks allotted				
Student presentation	20			Each exercise will be marked for 10					
Market survey	20			Market surveys will also be assessed for 10 marks					
Final marking - assignment	20	Final marking - CIA	100	The final marking will be for 100					
<b>REFERENCE BOOKS: OTHER</b>									
[1] Workshop Idea Book [Taunton Woodworking], Andy Rae, Taunton Press 2007									
[2] The Complete Book of Wood Joinery, R. J. De Cristoforo, Sterling Publishers 1997									
[3] Metal Craft Discovery Workshop, Linda O'Brien, Ople O'Brien, Northlight Publishers 2005									

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