School Of Architecture and Interior Design (SAID), KTR

School Of Architecture, Environment And Design (SEAD), RPM

Faculty of Engineering and Technology

S.R.M INSTITUTE OF SCIENCE AND TECHNOLOGY

Lesson Plan – Theory Course

Course Code : 16ID1003
Course Title : THEORY OF INTERIOR DESIGN
Year & Semester : B.Des - 1st year / 1st Semester
Course time : Odd (July – Nov 2018)
Faculty Details:

Name of the Staff	Designation	Sec.	Office	Mail ID	Mobile No
Hemalatha R Alex	Associate Prof	A	SAID	hemalatha.l@ktr.srmuniv.ac.in	9789093815
Preethima.D	Asst. Prof	A	SEAD	Preethima2222@gmail.com	9940248607

Required Text Books:

1. Francis. D. K. Ching, Interior design Illustrated, Van Nostrand Reinhold
2. John. F. Pile, Interior Design, Harry Abrams Inc.
3. Sam. F. Miller, Design process – a primer for Architectural and Interior Design, Van Nostrand Reinhold.
4. Gary Gordon, Interior lighting for designers, John Wiley & Sons Inc.
5. Harold Linton, Colour in Architecture, McGraw Hill
6. Jonathan Poore, Interior ColourBy Design, RockPort Publishers.
7. Sherrill Winton, Interior Design and Decoration, Prentice Hall.
8. Johannessltten, The Art of Colour, John Wiley and Son

Tentative Assessment Dates

Midterm Test : 11/09/2018 – 18/09/2018
Model Examination : 12/10/2018 – 17/10/2018

Assessment Portions:

Midterm Test : First Two And A Half Units
Model Examination : All Five Units

Assessment Details

Midterm Test : 25 Marks
Model Examination : 25 Marks

S.No	Assignment Topics	Tentative Dates
1	Unit – II – Assignment based on Theory of Colors , texture , patterns and its applications	3rd week of July
2	Unit-IV – Design of furniture for living area, kitchen , dining and office space.	3rd week of Sept
3	Unit-V – Fitting the space – Plan arrangements, Function & aesthetics	3 rd week of Nov

DETAILED SESSION PLAN

Total No. of Hour given in Syllabus: 45

S. No.	Topic	No. of Hours	Reference Book	Page No
UNIT- 1- INTERIOR SPACE - 9				
1,2	• Introduction about the interior design • Introduction about interior space related to interior design • Space – definition and Interior space	2 hrs	D.K.CHING	36 - 38
3,4	• Spatial qualities: form, scale, outlook; • Structuring space with interior design elements • Spatial form; spatial dimension – square, rectangle	2 hrs		148 &149
5,6	• Spatial form; spatial dimension - curvilinear spaces • Spatial transitions – openings within wall planes,	2 hr		24,25 & 28
7,8	• Spatial transitions –doorways, windows,	2 hr		29 & 30
9	• Spatial transitions – stairways.	1 hrs		31
UNIT-2 - DESIGN VOCABULARY- 9				
9,10	• Form – point, line	2 hrs	D.K.CHING	87 & 88
11,12	• Form –volume	2 hrs		105 &106

13,14	• Form –shape-types and application in interior	2 hrs		97-98
MID TERM TEST				
15	• Form – texture-types and application	1 hr		99 -104
16,17	• Colour – in relation to light, pattern etc. and application of the same in designing interiors.	2 hrs		107-120

S. No.	Topic	No. of Hours	Reference Book	Page No
UNIT-3 DESIGN PRINCIPLES - 9				
18	• Introduction to interior design principle-harmony, balance, proportion , rhythm and emphasis	1 hr	https://freshome.com/2007/07/12/7-most-important-interior-design-principles/ https://www.slideshare.net/sumiran46muz/principles-of-interior-design D.K.CHING	84-86
19, 20	• Ratio in interior design • Proportions in interior design	2 hrs		122-126
21,22	• Proportions – golden section; and their relationship –scale • Balance – symmetrical, radial, occult	2 hr		127-130
23-24	• Balance – symmetrical, radial, occult and their application in interior design • Harmony; unity; variety and their application	2 hrs		131-138
24	• Rhythm and its application	1 hrs		140-143
26	• Emphasis and its application	1 hr		144-146
UNIT-4 ANTHROPOMETRICS – 9				
27-28	• Introduction to Anthropometrics • Definition, theory of standard dimension based on human figures for activities	2 hrs	http://www.jimssouthdelhi.com/studymaterial/ID2/IDS.pdf D.K.CHING	
29-30	• Theory of standard dimension based on human figures for activities • Function of anthropometrics • Circulation of anthropometrics	2 hrs		48-57
31	• Furniture design based on human figure for activities • Spatial requirements in	1 hr		

	anthropometrics • Study of Ergonomics and their application		http://masters.aui.ac.ir/Images/Uploaded_Files/Body%20space%5B590549%5D.PDF	
32-33	• Design of Furniture for Living area, kitchen and dining	2 hrs		
34-35	• Design of Furniture for Office etc(ASSIGNMENT)	2 hr		
UNIT-5 DESIGN CONTROL - 9				
36-38	• Introduction to design control • Design process – Analysis, synthesis, evaluation • Design process – Analysis, synthesis, evaluation -application	3 hrs	D.K.CHING	36-50
39-41	• Design criteria – function and purpose, • Design criteria – utility and economy, form and style; • Human factors - human dimensions	3 hrs		
42-44	• Human factors - distance zones, activity relationships; • Fitting the space – plan arrangements, • Fitting the space –function, aesthetics	3 hrs		63-69
45	• Revision for all units	1 hr		
Model Exam		**Total Hours :45**		

Faculty in Charge

Hemalatha R Alex
(Asso. Prof. SAID)

D. Preethima
(Asst. Prof. SEAD)

VP (Academics)/SEAD

Dr.Devyani

HOD/SAID

Prof.CT. Lakshmanan

16ID1003	THEORY OF INTERIOR DESIGN	3	0	0	3
	Prerequisite - Nil				

OBJECTIVES

- Understanding various aspects such as form, scale, light, dimension, height, transitional elements etc affecting interior space.
- Understanding and applying design vocabulary such as Point, Line, shape, color, texture, area, mass, volume etc.
- Understanding and applying design principles such as ratio, proportion, scale, balance, harmony, unity, variety, rhythm, emphasis.
- Understanding the process involved in design including analysis, synthesis and evaluation.

UNIT – I INTERIOR SPACE 9

Space – definition; Interior space – spatial qualities: form, scale, outlook; structuring space with interior design elements; spatial form; spatial dimension – square, rectangle, curvilinear spaces; height of space; spatial transitions – openings within wall planes, doorways, windows, stairways.

UNIT – II DESIGN VOCABULARY 6

Form – point, line, volume, shape, texture & colour – in relation to light, pattern etc. and application of the same in designing interiors.

UNIT – III DESIGN PRINCIPLES 9

Ratio; proportions – golden section; relationships; scale; Balance – symmetrical, radial, occult; harmony; unity; variety; rhythm; emphasis.

UNIT – IV ANTHROPOMETRICS 9

Definition, theory of standard dimension based on human figures for activities, functions, circulation, furniture design, spatial requirements etc.
Study of Ergonomics
Design of Furniture for Living, Dining, Kitchen, Office etc.

UNIT – V DESIGN CONTROL

Design process – Analysis, synthesis, design evaluation; Design criteria – function and purpose, utility and economy, form and style; human factors - human dimensions, distance zones, activity relationships; fitting the space – plan arrangements, function, aesthetics.

TOTAL: 45 Hours

OUTCOME:

The students will understand the thermal balance in human beings, designing climate responsive structure and conceptual understanding of air flow in buildings.

REFERENCES:

1. O.H. Koenigsberger, Manual of Tropical housing and building – Climatic Design, Orient Longman, Chennai, 1975.
2. M .Evans – Housing, Climate &Comfort , Architectural Press, London ,1980.
3. E.Schild&M.Finbow – Environmental Physics in construction & its application in Architectural Design ,Granadar , London, 1981.
4. B.Givoni - Man, Climate & Architecture, Applied Science, Essex 1982.
5. Donald Watson & Kenneth labs – Climatic Design – Mcgraw hill NewYork 1983.
6. A.Konya- Design Primer for Hot Climates, Architectural Press, London, 1980.