



WOMEN'S EDUCATION SOCIETY'S
SMT. MANORAMABAI MUNDLE
COLLEGE OF ARCHITECTURE
NAGPUR

FIRST
SEMESTER

ACADEMIC
BOOKLET

2021-
2022



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IN-CHARGES

First Year In-Charge
Ar. Rashmi Thakre

Section Co-Ordinators
Ar. Piyusha Rathor

Design Co-Ordinator
Ar. Rashmi Thakre

Construction Co-Ordinator
Ar. Piyusha Rathor

Graphics Co-Ordinator
Ar. Samruddhi Amte

FIRST YEAR FACULTY



Dr. Pratima Dhoke



Er. Rupal Wadgaonkar



Prof. Vishwas Dikhole



Dr. Sampada Peshwe



Dr. Madhura Rathod



Prof. Atula Patwardhan



Ar. Piyusha Rathor



Ar. Rashmi Thakre



Ar. Samruddhi Amte



Ar. Poornima Deshpande



Ar. Harpreet Saggu

INTRODUCTION

Architecture is a noble profession and demands a set of dedicated personnel for creating an environment necessary to stimulate inquisitive urge amongst students to learn Architecture. Architecture is an Art and Science of built environment and plays an important role in the development of a nation. Supply of trained and skilled individuals to the society enhances the quality of environment and thus braces the National Policy.

Women's Education Society was established in Nagpur in the more than 80 years ago in 1932. Driven by the mission of holistic development of women, the members have always strived hard towards this goal. Thus as an integral part of the society Women's Education Society, has joined hands with the national policies of development of women.

The main objectives of the Society are:

To meet the needs of the Nation by providing human resources with required knowledge and skill.

To provide human resource which can effectively function in a variety of social, cultural, geographical, economic and technological needs of the nation.

To support the development of the nation with special emphasis on progress of women and establish their identity.

Vision

Our vision is to reach global standards by deliberate modernization without losing the essential characteristics of our tradition. Being a women's college we find it more pertinent to imbibe both these qualities very consciously in our girl students.

We wish to produce socially responsible architects with sensitivity towards social issues of immediate contexts, national concerns and global effects and positive and creative approach towards life.

Mission

To create an educational environment in which students are prepared to meet the challenges of a fast developing and changing world.

Hence the students are equipped with:

Up to date knowledge

Analytical and practical skills

Creative approach towards everything that they undertake

Attitude to be sensitive towards national, social and environmental issues

While addressing the global challenges we believe strongly in anchoring ourselves to the immediate context. We accept gratefully our role in preserving and enhancing Vidarbha and Nagpur- the place, its people and architecture

Core Values

- Integrity
- Discovery
- Discipline
- Creativity
- Collaboration
- Excellence
- Innovation
- Respect
- Diversity

Objectives

- To develop among students academic and Professional competency.
 - To foster value-based, creative and critical learning
 - To hone skills of living in a technological, globalized and ecologically aware environment
- To develop culture of commitment to excellence.

POLICIES FOR STUDENTS

Code of Conduct

Punctuality - It is mandatory for students to be punctual to the college and shall have to be present every day at 8.45 a.m. Every student is expected to attend the morning assembly. Attendance of the students will be taken at the time of assembly by respective class coordinators.

The attendance will also be taken at the beginning of the classes in the afternoon after lunch break. The record of attendance shall be displayed at the end of the month for students. Every student is expected to go through the displayed attendance and has a chance to rectify the record within 8 days by talking to the class teacher if her attendance has been wrongly recorded.

In case of absenteeism, student shall bring a letter of absence duly signed by her parents/guardian. However, as per RTM Nagpur University norms, a student having less than 75% attendance will not be permitted to appear for University Examination.

Dress Code - Salwar suit/ Jeans /Leggings with long Kurti.

Extracurricular activities- Credits are allotted to each activity and students are required to attend the activities to earn these credits.

Every student has to attend the programs organized by the college from time to time.

Attendance for programme of 26th January and of 15th August is mandatory for every student.

Study tours - Every year study tours are arranged for students of different years as per their curriculum requirements. Active participation in Study Tour is necessary.

Facilities

Library : A well equipped library is maintained by the college
Laboratories (The material bureau, **Climatology lab, survey lab and services lab**): These laboratories are well maintained to help the students keep themselves well updated with the various tools and materials and its application.

Computer center: A fully equipped computer lab with terminals, plotter, printer, scanner and facility for LCD projection is available.

Workshop: A fully equipped workshop to enhance practical skills and for hands on experiences.

Brain gym: Encourages and nurtures creative thinking in students as well as teachers through many experimental art and design activities.

Reprography Centre: It is in computer lab wherein drawings can be plotted on sheets as per requirement.

Participation in NASA -Students who are regular to class and have cleared all examination of the previous semesters will be allowed to take part in the various activities of NASA.

Academic Performance

Submission schedule of all the subjects of a semester will be displayed at the beginning of the session. Students must follow the submission schedules given by respective subject teachers. No late submissions will be accepted after the scheduled date.

Student Council

The Student Council is formulated for the main purpose of empowering the students. Having a formal setup of a Student Council enables students to organize and conduct certain activities, The student council also takes the lead in organizing and coordinating many events in the academic year - like daily assembly, Republic day and Independence day celebrations, NASA, Teachers Day, Archiventure, Women's day celebration and all other major events conducted by the college.

The structure of the council is such that students from all years find representation in it. The team is headed by fourth year students with representative from first, second and third year. The organization set up for student council comprises of

President
Vice-president
Secretary
Vice-secretary
Treasurer

UNIVERSITY SCHEME OF EXAM

SCHEME OF EXAMINATION – B.Arch.																	
FIRST YEAR B.ARCH.																	
Semester – 1																	
Sr. No.	Sub. Code	Sub. Name	Load Per Week					Credits					Paper / Sessional	Duration in Hours	Max. Marks	Total Marks	Min. Pass Marks
			L/D	T	S	P	Total	L	T	S	P	Total					
1	1S-A-1	Architectural Design -I	1	0	3	0	4	1	0	4.5	0	5.5	Sessional		200	200	100
2	1S-A-2	Allied Design Studio-I	1	0	2	0	3	1	0	3	0	4	Sessional		100	100	50
3	1S-A-3	Building Construction and Materials -I	2	0	3	0	5	2	0	4.5	0	6.5	Sessional		150	150	75
4	1S-A-4	Architectural Graphics I	2	0	0	2	4	2	0	0	1	3	Sessional		100	100	50
5	1S-A-5	Structural Design & Systems-I	2	1	0	0	3	2	0.5	0	0	2.5	Sessional		100	100	50
6	1S-A-6	History of Civilisation	2	1	0	0	3	2	0.5	0	0	2.5	Sessional		100	100	50
7	1S-A-7	Computer Application I	1	0	0	1	2	1	0	0	0.5	1.5	Sessional		50	50	25
8	1S-A-8	Workshop I	0	0	0	3	3	0	0	0	1.5	1.5	Sessional		100	100	50
9	1S-A-9	Elective I	1	2	0	0	3	1	1	0	0	2	Sessional		100	100	50
Total							30					29.0			1000	1000	
	Elective I	Art Appreciation / Numerical Ability / Presentation Skills / Sketching and Rendering / Public Speaking / Institutional Project 1															

Principles of aesthetic - (3 Hours)

Assignment - Understanding Basic Principles of Aesthetics through photographs of other artists and photographs clicked by students (group 5 assignment). Student have to select any art form - Painting/ Movie/ Drama/ Music/ Literature, & analyze it from Aesthetic point of view.

Teachers Input- Power point Presentation on Principles of aesthetics .
Objective - To Understand basic of aesthetics and application in various art forms.
Expected Output- A2 sheet with proper analysis & photographs clicked by students.

Design Co-Ordinator
Ar. Rashmi Thakre

Team

Dr. Sampada Peshwe
Prof. Atula Pathwardhan
Ar.Piyusha Rathor
Ar. Rashmi Thakre

Introduction of Elements of Design & Organizational Principles in Composition - (9Hours)

Assignment - Creating 2D composition from - a)Point, line, plane b)Fractions

Objective - Introduction to Organizational Principles in composition.

Teachers Input- Power point Presentation.

Expected Output- A2 sheet with proper analysis.

Objective of Allied Design Studio - I:

Developing skills in manual presentation techniques, use of various media of presentation, Principles of 2-D & 3-D compositions, Principles of Design.

Colour wheel - (3 Hours)

Assignment- Rendering the 2D composition with colour scheme.

Objective - To understand Color theory through color wheel and get proper knowledge of how to use colors in designs or any art work.

Teachers Input- Power point Presentation

Expected Output- A2 sheet of creative color wheel & 2D rendered composition.

Visual art :

Visual Art is aimed at providing knowledge and understanding of various visual arts and its importance. It further aims at developing the freehand drawing and rendering skills in different medium and using it as tool of expressing ideas visually.

TEST - Creative Colour Wheel (2 Hours)

Keywords :

point, line and plane, visual textures, optical illusion, Repetition, Variety, Radiation, Rhythm, Gradation, Emphasis & Subordination, Proportion, Harmony, Balance. hues, values, and shades. Color wheel, color composition, properties of color.

ARCHITECTURAL DESIGN - I

Anthropometry & Ergonomics - (7 Hours)

Assignment- Documenting their and their family members measurements (2positions-standing and sitting), Documenting different spaces in their house along with furniture dimensions.

Objective -To understand the human dimensions anthropometry ergonomics- functional spaces and circulation spaces for various activities(formal & informal).

Teachers Input- Demonstrations
Expected Output- A2 sheet for group assignment .

Creative exercise - (7 Hours)

Objective -To convert 2d composition to 3d form & Application of scale, material and spatial experience to 3d form.

Teachers Input- Demonstrations and PowerPoint presentation.
Expected Output- A2 sheet for group assignment.

Documentation of Single activity (G+1)- (6 Hours)

Assignment - Documenting G+1 single activity for 8 to 10 people.

Objective - To understanding the architectural intervention through single activity unit .

Teachers Input- Discussion and guidance for documentation.

Expected Output- A2 sheet showing the following: Location map, plan with facilitation, 2 section, elevations .

Major project (Individual work) - (9Hours)

Assignment - Designing the space for any selected activity and application of anthropometry and ergonomics.

Objective - To understand the space requirement for any activity.

Teachers Input- Discussion and guidance.

Expected Output- A2 sheet showing site plan, Plans ,sections ,elevation and views

Design Co-Ordinator
Ar. Rashmi Thakre

Team

Dr. Sampada Peshwe
Prof. Atula Pathwardhan
Ar.Piyusha Rathor
Ar. Rashmi Thakre

Objectives of Architectural Design I

The primary objective shall be to develop in students the understanding and relevance of human scale and space formation, elements of built form and its role in spatial realms.

Keywords :

Anthropometry, Human dimensions, Circulation spaces, Form & Spaces, Spatial Experience, Elements of Built Form.

References :

- Ching Francis D. K., Form Space and Order.
- Ching Francis D. K., A Visual Dictionary of Architecture.
- Pierre Von Meiss -Elements of Architecture from form to place.
- Yatin Pandya- Elements of Space Making
- Christopher Alexander- Pattern Language.

EVALUATION SCHEME

Attendance	Minor Project	Major Project	Viva	Total
60	60	105	75	300

Introduction to Building Construction as a subject & its relevance to Architectural Design - (2 Hours)

Topic - Building elements, types and subtypes, basic understanding of elements from foundation to roof - Purpose / function, utility and necessity of all such elements.

Introduction to common architectural vocabulary by moving around the college building.

Teachers Input- Demonstration and Discussion.

Expected Output- Sketches in A3 Sketchbook.

Topic - Construction and the Logic of Stability as its basis, construction principles with respect to structural stability. Support and supported elements, concept of span and span - loading co-relation.

Teachers Input-Discussion.

Expected Output- Sketches in A3 Sketchbook.

Introduction to Building Materials - (2 Hour)

Topic - Introduction to Brick as a Building Materials and its compositions.

Teachers Input - Tabular compilation on board.

Types of Bricks - (2 Hours)

Topic - Introduction to Various Types of Bricks.

Teachers Input- Discussion and board sketching.

Expected Output- Sheets & Sketches in A3 Sketchbook.

Brick Masonry - (4 Hours)

Topic - Introduction to principles and rules in Brick Masonry.

Teachers Input- Discussion and board sketching.

Expected Output - Sketches & notes in A3 Sketchbook.

Building materials- (2 Hours)

Topic - Introduction to Stone as Building materials.

Teachers Input- PPT Presentations & Videos..

Expected Output - Sketches & notes in A3 Sketchbook.

Brick Masonry - (6 Hours)

Topic - Types of Brick Masonry used in Load Bearing Walls such as English Bond & Flemish Bond (Single Flemish & Double Flemish Bond).

Teachers Input- Site visit for basics of Brick masonry and basic building components & elements.

Expected Output - Sheets & Sketches in A3 Sketchbook.

Building materials- (4 Hours)

Topic - Presentation on Lime and Cement as Building materials.

Teachers Input- PPT Presentations & Videos..

Expected Output - Sketches & notes in A3 Sketchbook.

Construction Co-Ordinator
Ar. Piyusha Rathor

Team

Dr. Sampada Peshwe
Ar.Piyusha Rathor
Ar. Rashmi Thakre

Objectives of Building Construction and Materials

- To develop understanding about building materials and construction of various elements with its design principle and decision making process for selection of each.
- This also aim at introducing students with design ability for a certain building element integrating with architectural space and demand of time and place.

Keywords :

Building Elements & Components, Building Materials, Brick & Stone Masonry, Piers, Structural systems.

References :

- Building Construction by W.B.McKay,
- Barry - The Construction of Buildings.
- Building Construction by Sushil Kumar.
- The Textbookj of Building Construction by Bindra Arora.
- Building Construction by Rangwala.

Piers – (2 Hours)

Topic –Introduction to use of Piers (Attached & Detached Piers) in Load Bearing Walls.

Teachers Input– Discussion and board sketching.

Expected Output – Sketches in A3 Sketchbook.

Stone Masonry – (2 Hours)

Topic –Types of Stone Masonry with Dressed and Undressed Stones, Composite Masonry.

Teachers Input– Discussion and board sketching.

Expected Output– Sheets & Sketches in A3 Sketchbook.

Structural Systems – (8 Hours)

Topic – Introduction to Basic Structural Systems, Load Bearing, Frame Structure and Composite structure, load transmission, suitability, merits, demerits etc. Introduction and understanding of various Subsystem such as Horizontal, Vertical and foundation Sub systems with respect to structural functions, utility and application in building design and construction.

Teachers Input–Site visit for basics of structural systems, Load Bearing, Frame Structure and Composite structure. Discussion and board sketching.

Expected Output– Sheets & Sketches in A3 Sketchbook. Group work exploring systems through models/ Isometric views.

Construction Co-Ordinator
Ar. Piyusha Rathor

Team

Dr. Sampada Peshwe
Ar.Piyusha Rathor
Ar. Rashmi Thakre

Objectives of Building
Construction and Materials

- To develop understanding about building materials and construction of various elements with its design principle and decision making process for selection of each.
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- The Textbookj of Building Construction by Bindra Arora.
- Building Construction by Rangwala.

EVALUATION SCHEME

Attendance	Plates, Models	Site Visit	Sessional + Test	TOTAL
30	50	10	60	150

Assignment 1- (2 Hours)

Assignment - Architectural lettering and numbering in varying heights and thickness and dimensioning -To develop one's own style of writing

Teachers Input- Introduction to Architecture lettering, dimension

Expected Output- Exercise on writing alphabets and numerical in various font style in sketchbook

Assignment 2- (2 Hours)

Assignment-Applications of scales to Enlarge True, or to Reduce the objects in drawing.

Teachers Input- Introduction to application of scales to object drawing

Expected Output -Submission in sketchbook/A2

Assignment 3- (12 Hours)

Assignment- Study of scales, their use in practice and construction and problems of Plain scale and diagonal scale

Teachers Input- Introduction to plain and diagonal scales

Expected Output- Submission ON A2 size sheets.

PLANE AND SOLID GEOMETRY

Assignment 1- (2 Hour)

Assignment- Construct planes like square, triangle ,Pentagon ,Hexagon, circle etc.

Teachers Input - Introduction to construction of planes using drafting instruments.

Expected Output- Submission in sketchbook/A2

Assignment 2- (6 Hours)

Assignment -Examples explained and solved on black board

Teachers Input- Orthographic, Isometric and Axonometric projection

Expected Output- Solved problems on A2 size sheets.

SCALE DRAWING

Assignment 1- (8 Hours)

Assignment -Examples explained and solved on black board

Teachers Input- Scale drawing (plan/elevation/section) of a simple G+1 building indicating the vertical circulation & toilet details in section.

Expected Output- Drafting on A2 sheet

EVALUATION SCHEME

Attendance	Portfolio	Test + Sessional	Total
20	60	20	100

ARCHITECTURAL GRAPHICS - I

Graphics Co-Ordinator
Ar. Samruddhi Amte

Team

Prof. Vishwas Dikhole
Dr. Madhura Rathod
Prof. Atula Patwardhan
Ar. Samruddhi Amte

Objectives of Architectural Graphics :

To introduce students to architectural drawing techniques and to the language of graphics, its vocabulary and grammar such as scale, annotations, labeling and dimensioning.

To enable students to express simple three dimensional objects and building components through Technical Drawings, using various graphic projection systems

Keywords :

Architectural lettering and dimensions, scale ,construction of planes, projections

References :

- Ching Francis D.K.: Architectural Graphics
- Gill Robert: Rendering with pen and ink
- H. Joseph and Morris: Practical plane and solid geometry

Introduction – (1 Hour)

architecture of early civilizations as an expression of art and culture of that place.

Unit I: Prehistoric Architecture – (3 Hours)

Evolution of architecture. A study of primitive people, shelters, settlements.

Unit II: Nile Valley Civilization – (4 Hours)

The impact of the context, culture and society on art sculpture and Architecture of the Egyptian Civilization. evolution of tombs, valley of Kings, necropolis.

Unit III: Indus Valley Civilization – (3 Hours)

The impact of the context, culture and society on art sculpture and Architecture during Early Indus settlements in Mehrgarh, Harrapa, Mohenjo Daro, Dholavira.

Test– 1 Hour

Unit IV: Euphrates & Tigris river valley Civilization – (3 Hours)

The impact of the context, culture and society on art sculpture and Architecture of Assyrian, Sumerian, Mesopotamian and Babylonian period.

Unit V: Yellow River Civilization – (3 Hours)

The impact of the context, culture and society on art sculpture and Architecture during Prehistoric, Xia Dynasty, Shang Dynasty and Zhou Dynasty.

Unit VI: Vedic Architecture and Settlements–(3 Hours)

Rise of cities, Mahajanapadas, Introduction to scripture.

Revision class & test – 2 Hours

EVALUATION SCHEME

Attendance	Assignments	Sessional	Test	Total
20	40	30	10	100

Team

Ar. Piyusha Rathor
Ar. Rashmi Thakre
Ar. Harpreet Saggu

Objectives

- To provide an introduction to the architecture of early civilizations as an expression of art and culture of that place.
- To understand and interpret basic needs and lifestyle as the deciding factors for growths of early settlements.

References :

- History of World Civilizations by J.E. Swain.
- A Short History of the World – H. G. Wells.

Unit I:

Overview of the Structural System in Architecture (6 Hours)

TOPIC

- Study of types of beams and types of loads.
- Load bearing structures
- Rcc frame structure
- Steel trusses in residential & industrial bldg.
- With suitable examples from historical and contemporary architecture

Unit II:

Introduction to Structural Mechanics(6 Hours)

TOPIC

- Introduction of forces, composition, resolution, moments and couples
- Resultant forces, concurrent and non-concurrent
- co planar force systems
- Principle of moments
- Virignon ;stheorem

Unit III:

Principle Of Equilibrium -2D Elements (9 Hours)

TOPIC

- Basic principles and conditions of equilibrium
- Study of lami's theorem and free body diagrams
- Study of structural support reactions:-study of reactions of simple support, hinged support, roller support and fixed support.

Unit IV:

Geometric Properties of Plane sections(7 Hours)

TOPIC

- Centre of gravity
- Moment of inertia
- Section modulus
- Radius of gyration
- Polar moment of inertia

Unit V:

Analysis of Trusses (9 Hours)

TOPIC

- Perfect Frames

In charge

Er. Rupal Wadegaokar

Objectives of Structures

- This course provides students with a basic knowledge of structural systems used in buildings.
- Emphasis will be more on structural concepts stability of forms rather than intricate numerical calculations while dealing with different structural concepts. This will make the student familiar with basic structural mechanics concepts.

References :

- Khurmi, R. S.(2006). A Textbook Of Engineering Mechanics (SI Units). New Delhi: S.Chand And Co Ltd.
- Reddy, K. Vijaya Kumar; Kumar J. Suresh.(2011). Singers Engineering Mechanics Statics And Dynamics (SI Units). Hydrabad:B.S Publications.
- Ramamrutham , S. : Narayanan, R.(2008). Engineering Mechanics. New Delhi: Dhanpat Rai Publications Ltd
- Shah, H.J. ;Junnarkar, S.B.(2012). Mechanics of Structures. Anand:Charotar Publishing House Pvt. Ltd.
- Singer, FerdinandL.(1975). Engineering Mechanics Statics & Dynamics. New Delhi :Harpercollins Publishers.

EVALUATION SCHEME

Assignments	Test + Sessional	Total
30	70	100

Team

Ar. Samruddhi Amte,
Ar. Harpreet Saggu

Objective of Computer Application I :

This subject is to empower students with computer software useful for architects to enhance the skills of presentation ,drafting and coordination of design and other subjects.

To learn presentation software for enhancement of architectural drawings, sketches and convey ideas through presentations.

Introduction to M.S. Word - (2 hours)

Topics-	User interface	Expected Output - Resume
	Use of command line	
	Page setup	
	Page background	
	Paragraph Formatting	
	Use of Commands- find, replace, select	
	Mail merge	

Introduction to M.S. PowerPoint – (2Hours)

Topics -	Formatting pictures and clip arts Inserting and editing a smart art,	Expected Output -. Animated video on Principles of Aesthetics (Group Work)
	Gifs images	
	Creating a photo album	
	Applying themes	
	Animation	

Introduction to Photoshop – (2 Hours)

Topics -	Page setup	Expected Output -. Poster on a selected social issue
	Layer setup	
	Basic Editing Tools	
	Font	

Introduction to M.S. Excel – (2 Hours)

Topics -	Selecting/deselecting cells Entering data in a cell Editing and moving cell content	Expected Output -. Compilation of Anthropometric Measurements
	Inserting/deleting cells Rows and columns	

EVALUATION SCHEME

Attendance	Assignments	Test	Total
10	30	10	50

TIME SLOT	TASK
2 Hours	Introduction to cutting tools and various qualities of model making papers and materials. Drafting, Cutting and pasting negative shapes with various thickness of paper.
2 Hours	Composition of negative spaces on sheet.
2 Hours	Understanding and drafting the geometrical construction of various solids such as cube, cuboids', cylinder, pyramid, prism, etc.
2 Hours	Creating the solids
2 Hours	Creating the solids
2 Hours	Sessional Exam –To create a 'Jaali Wall 'and study the shadow pattern with its photography and making its presentation on sheets.

EVALUATION SCHEME

Attendance	Sessional	Test	Total
20	60	20	100

Team

Dr. Madhura Rathod
Ar. Samruddhi Amte,

Aim

To provide the foundation and capability to represent the concepts three dimensionally.

Objectives

- To introduce the students the various skills and techniques necessary to produce scaled models (Paper and Wooden)
- Expected skills in this subject or area is dexterity, Learning by doing ,knowledge of materials (wooden carpentry joints and cutting paper with different thickness) and their properties ,crafts skills and visualization skills.
- Teacher's Input - Demonstrations
- Students Output- Models(Paper),sheet.

BASICS OF SKETCHING

Exercise 1st – (3 Hours)

Topic- Introduction to sketching material (Grade pencils, charcoal, paint, paper type and quality etc.)

Assignment-Students are required to make a plate using various grade pencils by giving pressure to know the quality/lightness/darkness of it.

EXERCISE 2nd – (3 Hours)

Topic- Introduction to Texture.

Assignment- Explore various material textures visually with pencil as medium(sketches in sketch book).

RENDERING TECHNIQUES

EXERCISE 3rd – (3 Hours)

Topic - Geometrical object drawing and Rendering Techniques.

Assignment- To draw geometric objects and render with various techniques considering light and shades.

EXERCISE 4th -- (6 Hours)

Topic - Complete the picture .

Assignment-As per given half picture students have to complete it by visualizing the complete picture.

Topic- One point perspective (tree, building etc.)

EXERCISE 5th – (6 Hours)

Assignment- Sketches of small objects in one point perspective.

EXERCISE 6th - - (6 Hours)

Topic- Story Making (including or with the help of one point perspective).

Assignment-Make storyboard by using one point perspective elements as part of the story.

FINAL test-3 hours

EVALUATION SCHEME

Attendance	Assignments	Test	Total
20	60	20	100

SKETCHING AND RENDERING

Team

Prof. Atula Patwardhan
Ar. Poornima Deshpande

Vision- Sketching is central to Architecture. It is, along with a presentation technique, a tool for thinking. Often it is observed that even a minimal sketch is more expressive than a page full of text. The body of architectural sketches by master architects, from doodles to those rendered with painstaking details remains an inspiration for designers across generations.

List of material required - A3 size padding board, cartridge sheet, checkered handmade sheet, sketchbook-a4 size

Grade pencils -2b,4b,6b,8b,10b, charcoal stick/pencil ,black marker pen, rotaring - point 2,4, waterproof ink, round brush-no.- 2,5,7 ½ inch flat brush, palate, water container, cloth, sponge.

Objectives of Sketching & Rendering

-Students to equip with fundamental techniques of sketching and rendering.
-To develop a medium for thinking and explorations.

Keywords :

Visual thinking , representation, Geometric Drawings, Rendering techniques

References :

-Robert Gill, Rendering with pen and Ink,
-Thomas & Hudson Publishers, 1993

Unit 1 : Introduction to various art form, Established theories of critical appreciation, Viewing of media – advertisements.

EXERCISE (3 Hours)

Assignment- Advertisement Appreciation

Unit 2 : Introduction to music as an age-old art form (traditional or classical & contemporary). Discussion and analysis of different genres of music.

EXERCISE (3 Hours)

Assignment- Identification of path breaking song in particular genre - Group activity

Unit 3 : Introduction to Painting as an age - old art form. Brief intro to 'isms' in painting. Comparison and analysis of different styles of painting.

EXERCISE (3 Hours)

Assignment- Abstract Painting. Students to paint an abstract painting. Analysis to be done on other students' paintings.

Unit 4 : Introduction to Architecture as an ancient art form.

How to critically analyse a piece of architecture.

EXERCISE (3 Hours)

Assignment- Choose any 3 contemporary buildings and analyse them. Group Assignment

Unit 5 : self appraisal of the design project.

EXERCISE (3 Hours)

Assignment- Analysis of Given design project.

FINAL SUBMISSION

EVALUATION SCHEME

Attendance	Test	Assignment	Total
20	20	60	100

Appreciation of Art and Architecture

Team

Dr. Madhura Rathod
Ar. Harpreet Saggu,

Vision

Critical appreciation is a confluence. Appreciation is essentially an expression of gratitude, where as criticism is the art of analysing and judging the quality of the design of any architectural work.

Critical appreciation of beauty of beauty in architecture poses many challenges but the greatest challenge lies in the personality of a critic on the one hand and the lack of creativity in the architect on the other. Since critical appreciation is not to be based on preconception, a heavy responsibility lies on the critic's shoulder. The approach of a critic therefore has to be based on being conscious of the emergence of form through design, the personality of the designer and the emotive responses of the architect.

OBJECTIVES

The objective of the subject is to groom the skill of critical appreciation and to acquaint the student with the tools and means associated with it. The contents of the subject are designed with due consideration to make it comprehensive, meaningful and enjoyable. You will be taken through the journey of understanding various established theories of critical appreciation and then helping you to learn how to analyse, synthesize and at times redesign and recreate certain things which otherwise were just up to the mark till date.

KEYWORDS

- Product analysis,
- Poster analysis,
- Critical appreciation various art forms other than architecture, analysing T.V shows, etc.

In charge
 Dr. Nalini Wadgikar

Sr. No.	Tournaments	Sr. No.	Tournaments
1	Cross Country	1	Athletics
2	Swimming	2	Ball Badminton
3	Table-Tennis	3	Cricket, Hockey, Hand Ball
4	Badminton	4	Kabbadi
5	Basket Ball	5	Kho-kho
6	Volley Ball	6	Adventure
7	Chess, Yoga	7	Taikwando, Tagowar (Rassikhech) activity

ELIGIBILITY

- Players who have already participated in school levels.
- Interested students can participate in various games.

SELECTION

- Every Saturday – 12.00 to 1.00 p.m.
- Department of Physical Education & Sports conducts physical efficiency test & medical exam for all the students. It is Compulsory for all.

FACILITIES

- Playfields for practice all the games.
- Badminton Court available for practice
- Basket Ball Cement Court available in LAD, Shankar Nagar, Nagpur.
- Players those are participate in various games – conveyance allow. refreshment, sports equipment are provided by the college.
- Attendance is considered by the teacher during practice and tournaments.

ELIGIBILITY RTM Nagpur University given incentives of 10 marks to players who participate in inter-collegiate tournament.



Women's Education Society's

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