PD163467 HISTORY I

TEACHING SCHEME: Total contact period per week – lectures 2 + studio 1 = 3

EXAMINATION SCHEME:

Paper: NIL.

Oral: NIL.

Sessional Assessment: 50(Internal).

Aim: To understand the overview of development of design.

Objective: To introduce the notion of Design as it evolved through the ages, from pre-historic times to a discipline in its own right.

Course content:

1. The evolution of Design as a discipline and its relationship to the environment.
2. The discoveries and inventions that have changed the world.
3. Overview of historyof art in (pre industrial era) and its relation to design with respect to technique, craft and technology.
4. An introduction to history of design.

Assignments:

1. Journal writing & sketches onall the above topics.

Recommended readings: -

- Design The Indian Context,H.KumarVyas,NID publication.
- Design Thinking: Understanding How Designers Think and Work, Cross, N; Berg, Oxford, 2011.
- Journal of Design History, Oxford Journals.

PD163468 ELEMENTS OF FORM I.

TEACHING SCHEME: Total contact period per week – lectures 1 + studio 4 = 5

EXAMINATION SCHEME:

Paper: Nil

Oral: 50

Sessional Assessment: 50(Internal).

Aim: It helps students to understand the basics of "Form Manipulation", as one of theessential design skills.

Objectives:

1. To sensitize towards perception, appreciation and articulation of the language ofform.
2. To provide with some fundamental tools to creatively influence a given form or shapeto a desirable objective.

Course Contents:

1. An introduction to the elements of form in 2D and 3D.
2. Visualization and processes of form generation from 2D to 3D --- transformation in 1 axis, 2 axis & multiple axis.
3. Form transformation --- radii manipulation --- geometric to organic.
4. To enable student understand & articulate the attributes/emotions through form exploration.
5. Explorations orientated towards achieving desired abstract forms with compositional value.

Assignments:

Minimum **6** exercises based on form manipulation in form ofsketches&models.

Recommended readings: -

- Form, Space and Order by Francis D. K. Ching.
- Design Paradigm.
- Kepes, Gyorgy; Language of Vision, Dover Publications, 1995

- Geometry of Design: Studies in Proportion and Composition, Elam, Kimberly; Princeton Architectural Press, 2001
- The Poetics of Space, Publisher: Bachelard, Gaston; Jolas, Maria (Translator); Beacon Press; Reprint edition, 1994
- Elements of Design, Hannah, Gail Greet; Princeton Architectural Press, 2002

PD163469 ERGONOMICS I.

TEACHING SCHEME: Total contact period per week – lectures 2 + studio 1 = 3
EXAMINATION SCHEME:
Paper: NIL.
Oral: NIL.
Sessional Assessment: 50(Internal).

Aim:This course helps the students to identify essential human factors that are fundamentalto the design of user friendly products and systems.

Objectives:

1. To introduce the students to the principles of ergonomics.
2. To equip the students with the methods of analyzing products from the view point ofErgonomics.

Course Contents:

1. An introduction to ergonomics: history, definition, aims and application.
2. Anthropometry: static and dynamic, percentile value and its application.
3. Different types of Ergonomics.
4. Ergonomic Principles.
5. Ergonomic Criteria's.
6. Physiology and work Physiology.
7. Posture.
8. Occupational health and safety.
9. Application in design process.

Assignments:

1. Journal writing for topic 1,2,3,4,5,8
2. Exercises for topic 6 & 9

Recommended readings: -

- Indian Anthropometric Dimensions by DebkumarChakraborty NID Publication.
- Indian Anthropometric Data for Designer's Use by DebkumarChakraborty NID Publication
- The Ergonomics of Workspace and Machines: A Design Manual by Clark T.S., Corlett E. N. Taylor and Francis, London
- Handbook of Human Factors by Salvendy G. John Willy and Sons.
- Introduction to Ergonomics, 2nd Edition, Bridger, RS: Taylor &Francis, 2003.
- Ergonomics for beginners, a quick reference guide, J. Dul, and B. Weerdmeester, Taylor & Francis, 1993.
- An Introduction to Human Factors Engineering, Longman, Bridger, RS: New York, 1997
- Fitting the task to the man, E.Grandjean : Taylor & Francis Ltd.1980.
- Human Factors in Product Design- current practice and future trends, P. W. Jordan and W. S. Green (edit): Taylor Francis, London, 1999.
- Visual ergonomics in the workplace, J. Ansel, Taylor & Francis, London, 1998

PD163470 MATERIAL AND PROCESSES I.

TEACHING SCHEME: Total contact period per week – lectures 3 + studio 1 = 4

EXAMINATION SCHEME:

Paper: NIL.

Oral: NIL.

Sessional Assessment: 50(Internal).

Aim:It helps the students to select specific materials as well as manufacturing processes to be used for design and development of specific products to achieve desired product function.

Objectives:

1. To introduce the students to the major processes and materials commonly used in Product Design.

Course Contents:

1. An introduction to materials and processes commonly used in Industrial Design.

- Metal – ferrous and non-ferrous.
- Wood – natural and derivatives.
- Plastic – introduction and classification.
- Ceramic, glass and stone.

2. Learning properties of materials
   a. Physical Properties b. Engineering Properties c. Chemical Properties
3. Learning manufacturing processes.
4. To Conduct industry / workshop visits to observe and understand processes such as forging, shearing, blanking, drilling, milling, punching, cutting, bending, grinding, buffing, knurling, welding, brazing, turning, casting etc.
5. Analysis of five simple products to understanding materials & processes.
6. To understand the economics related to the, material selection process.

Assignments:

1. Documentation of manufacturing process of materials mentioned above&journal writing.

2. Minimum 2 industrial visits for material understanding.

Recommended readings:-

- Design and Technology,Garratt J Cambridge University Press, UK, 20004
- Manufacturing processes for design professionals, Thompson R.: Thames & Hudson, London 2007
- Materials and Design: The Art and Science of Material Selection in Product Design, Ashby, Michael; Johnson, Kara; Publisher: Butterworth-Heinemann; 2002
- Architectural Metals by Zanier and L. William
- Basic product design II – Material thoughts by David Bramston.

PD163471 DESIGN PROJECT I

TEACHING SCHEME: Total contact period per week – lectures 2 + studio 8 = 10

EXAMINATION SCHEME:

Paper: NIL.

Oral: 50.

Sessional Assessment: 50(Internal)
50(External)

Aim: To make students understand the process of simple function product design and to find solutions to simple day to day human needs. The focus is on being able to identify and analyze the problem, articulate it and generate innovative solutions.

Objective: -

1. To develop the skill of observation.
2. To develop the skill of critical thinking and analysis.
3. To develop the skill of critical creative thinking through the response to solution finding.

Content:

1. Introduction of the design intervention in the human realm which adds value and quality to the life.
2. Identifying simple design opportunity in everyday life.
3. Introduction to methods of undertaking research with techniques like Brain storming, mind mapping, radial thinking, etc.
4. Analyzing and concluding the potential of the opportunity to be deliverable as product design.
5. Introducing the tools of creative thinking like brain storming, inspiration board, parallel product research, reverse thinking, etc.
6. Ideation -- concept generation and explorations with quick explanatory models.
7. Finalization of the concept with design development and detailing.
8. Hand Renderings and final finished model of the final design solution.

Assignments:

1. Research documentation & presentation with observation, analysis & conclusion – formulating design brief (20%)
2. Ideation & exploration -- sketches & study models (65%)
3. Final design solution -- product detailing, rendering & finished models/prototype (15%)

Recommended reading:-

- A Forty; Objects of Desire, MIT Press, 1998Thems & Hudson 1995
- Design- Reflections of a century, J. de Noblet ed., Industrial Thames & Hudson, 1993
- 20th Century Design, Julier, G.; Thames & Hudson, 1993
- What is a Designer: Things, Places, Messages, Potter, Norman; Princeton Architectural Press, 2002
- The design process. Karl Aspelund.
- Design as art. Bruno Munari.

PD163472 TECHNICAL DRAWING I

TEACHING SCHEME: Total contact period per week – lectures 1+ studio 3 = 4

EXAMINATION SCHEME:

Paper: NIL.

Oral: NIL.

Sessional Assessment: 50(Internal).

50(External).

Aim: It equips students with the knowledge of technical drawing for communicating the understanding of the design, materials & process with the needful details.

Objectives:

1. To understand the range of methods used to accurately communicate design and its details.
2. To understand geometrical drawing and mechanical drawing with particular reference to the drawingstandards.

Course Contents:

1. An introduction to drafting in the field of industrial design.
2. Learning to use precision measuring tools for industrial design.
3. Understanding the scale of drawing and layout of drawing (legend).
4. Understanding dimensioning units, style and tolerances.
5. Orthographic drawing, section, intersection, technical sketching.
6. Technical drafting of assembly drawing through extruded view.

Assignments:

Sheet work on all the above topics.

Recommended reading:

- Rendering with pen and ink by Robert W Gill
- Geometrical drawings for arts students by I.H.Morris and William Jesse.

PD163473 WORKSHOP SKILLS I

TEACHING SCHEME: Total contact period per week –studio 3 = 3

EXAMINATION SCHEME:

Paper: NIL

Oral: NIL

Sessional Assessment: 50(Internal).

Aim: This course equips the students with the skill of using materials and handling machine tools which are essential for fabrication of models and prototypes.

Objectives:

1. To develop the ability to make 3D models and prototypes using a variety of materials.
2. To develop confidence of using different hand and machine tools.

Course Contents:

1. Precision exercise in 2D using paper, File boards, Styrofoam, wood or clay.
2. **F**abrication of simple 3D models using above mentioned materials.

Assignments:

1. Making models by hands on experience related to above topics.

Recommended readings:-

- Mills, Criss B., Designing with Models: A Studio Guide to Making and Using Architectural Design Models, John Wiley and Sons, New Jersey 2005
- Shimizu, Y., Models & Prototypes, Graphic-sha Pub. Co., Tokyo, Japan, 1991
- Sutherland, Martha, Model Making: A Basic Guide, WW Norton and Company, New York USA 1999
- Architectural Metals – a Guideline to Selection, Specification and Performance by Zahner and L. William
- Woodworkers Guide to Furniture Design by Graves and Grate.

PD163474 ADVANCED ILLUSTRATIONS

TEACHING SCHEME: Total contact period per week – lectures 1 + studio 3 = 4

EXAMINATION SCHEME:

Paper: Nil.

Oral: Nil.

Sessional Assessment: 50(Internal).

50(External).

Aim: It equips the students with the necessary skills of drawing and rendering techniques. It helps them to explore various representation media to communicate their design concepts.

Objectives:

1. To develop the ability to depict and enhance the representation of objects in 2D.
2. To develop the ability to express the form of the object through freehand drawing.
3. To learn methods of representation, communication of the ideas.

Course Contents:

1. An introduction to a variety of simple drawing media.
2. Freehand Orthographic Drawing.
3. Freehand 3D drawing with rendering techniques.
4. Freehand product detailing & exploded view.

Assignments:

1. Minimum 3 exercises for sketching & rendering of 2D to 3D conversion.
2. Minimum 2 exercises for developing freehand orthographic drawing skills.
3. Minimum 5 products to be freehand rendered in 3D.
4. Minimum 2 products to be sketched with product detailing & exploded views.

Recommended readings: -

- New Drawing on the Right Side of the Brain, Edwards, Betty; Publisher: Tarcher; 2002
- The complete guide to illustration & design, Dalley Terence ed.; Phaidon, Oxford, 1980
- Pencil Sketching, T. C. Wang; John Wiley & Sons,1997
- The Art of Drawing, Pogany, Willy ;Publisher: Madison Books, 1996
- Techniques for water colour, pen and ink, pastel and coloured markers, R. Kasprin; Design Media – John Wiley & Sons,1999

PD163475 COMPUTERS I.

TEACHING SCHEME: Total contact period per week – lectures 1 + studio 2 = 3

EXAMINATION SCHEME:

Paper: Nil.

Oral: Nil.

Sessional Assessment: 50(Internal).

Aim:This course equips the students with the computer aided design skills essential for understanding, visualizing and presenting design ideas.

Objectives: To introduce the students to the use of different computer aided design tools in designing, 3D Visualization of products.

Course Contents:

1. Principles of parametric solid modeling.
2. Data transfer and creating 2D technical drawing from 3D models.
3. Export of files for photorealistic photo realistic rendering.
4. Introduction to infographics.

Assignments:

Minimum 5 products to be modelled.

Recommended readings:-

- User manual of related softwares

PD163476 EXPOSURE TO LIBERAL ARTS I

TEACHING SCHEME: Total contact period per week – lectures 1 = 1

TEACHING SCHEME:

Paper: Nil.

Oral: Nil.

Sessional Assessment: 50(Internal).

Aim: This course enables the students to study liberal arts.It helps the students to understand the relevance of other mediums of expression.

Objectives: To inculcate the ability of reading, appreciating and experiencing the works of people from different walks of life.

Course Contents:

1. To give exposure to the students to the other medium of expression, communication and art forms like music, painting, visual communication, photography.
2. To give exposure to the students to the thought and works of the contemporary artists.

Assignments:

1. Exercises based on workshop conducted.

Recommended authors.

- John Berger – Ways of Seeing.
- Documentary by BBC – How art made the world.
  Books by regional authors e.g,
- Anil Avchat --- Chhandanvishayi.
- PrabhakarBarve --- Kora Canvas.
- Vasant Potdar --- Kumar and Bhimsen.

PD163477 HISTORY II

TEACHING SCHEME: Total contact period per week – lectures 2 + studio 1 = 3

EXAMINATION SCHEME:

Paper: 100

Oral: Nil

Sessional Assessment: 50(Internal).

Aim: To develop an understanding of design, its origins and its evolutions as an organized modern profession.

Objectives: To acquaint students with a broad framework of design history, which recognizes that design is the material embodiment of social, cultural and economic values.

Course Contents:

1. Design as an activity and as a profession: Theories of design.
2. Design development from Industrial revolution in Europe, and other parts of the world.
3. Art movements from Baroque to Modernism, post-modernism and beyond and its influence on design.
4. Indian design, a search and dialogue.

Assignments:

Journal writing & sketches of all the above topics.

Recommended reading:

- Design as Future making by Yelavich Susan.
- The Industrialization of Design by Gantz Carroll.
- World History of Design Vol I by Margolin Victor.
- World History of Design Vol II by Margolin Victor.
- Star product designers by Alegre Irene.
- Sustainable by design by Walker,Stuart.

PD163479 ELEMENTS OF FORM II

TEACHING SCHEME: Total contact period per week – lectures 1 + studio 4 = 5

EXAMINATION SCHEME:

Paper: Nil

Oral: 50

Sessional Assessment: 50(Internal).

Aim:It helps students to understand the articulation of the form with the elements - colour& finishes.

Objectives:

3. To sensitize towards perception, appreciation and articulation of the visual.
4. To provide fundamental tools for creatively influencing a given form or shapeusing color, light and material/texture.

Course Contents:

1. Basic colour terminology &colour psychology – introductory level.
2. To enable students understand colours, textures & finishes of forms in nature.
3. To enable students understand the brand / product identity with respect to colours, textures & finishes.
4. To enable students understand how material, colour& finish contribute towards form communication &surface transitions on the product.

Assignment:

1. Documentation of work.
2. Minimum **6** exercises based on application of materials, colours& finishes on form.

Recommended reading.

- Elements of Design and the Structure of Visual Relationships, H. G. Greet and R. R. Kostellow, Architectural Press, NY, 2002
- Basic design and anthropometry by Shirish Vasant Bapat.
- Interior design by Ahmed Kasu.
- Principles of color design : designing with electronic color by Wucius Wong.
- Color by Paul Zelanski and Mary Pat Fisher.
- Color in graphics by Labudovic, Ana
- Advances in color harmony and contrast for the home decorator by Michael Wilcox.

PD163480 ERGONOMICS II

TEACHING SCHEME: Total contact period per week – lectures 2 + studio 1 = 3

EXAMINATION SCHEME:

Paper: 100

Oral: Nil

Sessional Assessment: 50(Internal).

Aim: This course equips the students with the knowledge that helps them understandinteractions among humans and other elements of a product or a system.

Objectives: To introduce the students to the topic of cognitive ergonomics and to apply the basic principles to the areas of Product Design.

Course Contents:

1. Introduction to cognitive ergonomics.
2. Physiological and functional aspects of human brain.
3. Human information processing – working and long term memory.
4. Perception, decision making, attention.
5. Human behavior.

Assignments:

3. Journal writing and exercises related to all the above topics.

Recommended reading: -

- Perception; The basic process in cognitive development, Ronald H. Forgus; USA, McGraw-Hill 1996
- Indian Anthropometric Dimensions by DebkumarChakraborty NID Publication.
- Indian Anthropometric Data for Designer's Use by DebkumarChakraborty NID Publication
- Handbook of Human Factors by Salvendy G. John Willy and Sons.
- Human Factors in Product Design- current practice and future trends, P. W. Jordan and W. S. Green (edit): Taylor Francis, London, 1999.
- Visual ergonomics in the workplace, J. Ansel, Taylor & Francis, London, 1998
- Visual Intelligence: Perception, Image, and Manipulation in Visual Communication, Ann Marie Barry; State University of New York Press, 1999

PD163482 MATERIALS AND PROCESSES II

TEACHING SCHEME: Total contact period per week – lectures 3 + studio 1 = 4

EXAMINATION SCHEME:

Paper: 100

Oral: Nil

Sessional Assessment: 50(Internal).

Aim: This course helps the students to understand the contemporary materials and processes by which they can develop innovative products.

Objectives:

1. To provide an in-depth understanding of materials (advanced polymers) and their properties in the context of Product Design.
2. To enhance the understanding of the materials and processes, their limitations, properties and their applications in general.

Course Contents:

1. Introduction to advanced polymers.
2. Introduction to advanced nonferrous material – mazak.
3. Learning properties of materials
   a. Physical Properties b. Engineering Properties c. Chemical Properties
4. Learning manufacturing processes.
5. To Conduct industry / workshop visits to observe and understand processes injection moulding, blow moulding, extrusion moulding, vacuum forming, rotational moulding.
6. Analysis of five complex products to understanding materials & processes.
7. To understand and select the appropriate material to obtain desired texture and finishes like mirror finish, glossy and matt finish.

Assignments:

3. Documentation of manufacturing process of materials mentioned above & journal writing.
4. Minimum 2 industrial visits for material understanding.

Recommended reading: -

- Design and Technology, Garratt J Cambridge University Press, UK, 20004
- Manufacturing processes for design professionals, Thompson R.: Thames & Hudson, London 2007
- Materials and Design: The Art and Science of Material Selection in Product Design, Ashby, Michael; Johnson, Kara; Publisher: Butterworth-Heinemann; 2002
- Basic product design II – Material thoughts by David Bramston.

PD163484 TECHNICAL STUDIES

TEACHING SCHEME: Total contact period per week – lectures 2 + studio 1 = 3

EXAMINATION SCHEME:

Paper: Nil

Oral: 50

Sessional Assessment: 50(Internal).

Aim: this course equips students with the knowledge of Fundamentals of Physics and simple mechanism.

Objectives:

1. To introduce basic understanding of fundamentals of physics and its application.
2. To introduce the basic understanding of the simple mechanisms with its applications.

Course Contents:

1. Laws of motion – Inertia, Force, Velocity, Acceleration, weight, projectile motion, vector component, work and energy, centrifugal, centripetal acceleration, etc
2. Mechanical objects with its working principles: - spring mechanism, gears- belts and pulley, lever and fulcrum, etc.

Assignments:

PPT presentation and hands on experiments.

Recommended reading: -

- How things work- the universal encyclopedia for machines Vol. 1 to 5.
- The fundamentals of product design by Richard Morris.
- How things work – the physics of everyday life by Louis A. Bloomfield.
- Basics product design 02 by David Bramston.
- www.khanacademy.com

PD163485 DESIGN PROJECT II

TEACHING SCHEME: Total contact period per week – lectures 2 + studio 8 = 10

EXAMINATION SCHEME:

Paper: Nil.

Oral:50.

Sessional Assessment: 50(Internal).

50(External).

Aim:To make students understand the process of user centered product design and to find solutions to the user needs. The focus is on being able to identify and analyze the need, articulate it and generate innovative solutions.

Objectives: To introduce the students to the user-centered design concerns, considerations and deliverables.

Course Content:

1. Introduction to the design intervention in the human realm which added value and quality to the life.
2. Identifying user centered design opportunity in accessible environments.
3. Analyzing and concluding the potential of the opportunity with the scope to intervene with product design.
4. Introducing students to the need and methods / techniques of user research.
5. Introducing students to critical thinking of data relevance, analysis and conclusions. Observations, documentation, analysis and conclusions with specifics to formulate the design brief.
6. Formulating the design brief.
7. Introducing students to critical creative thinking tools like – Synectics, Lateral thinking, etc
8. Ideation -- concept generation and explorations with quick explanatory models.
9. Finalization of the concept with design development and detailing.
10. Hand and computer Renderings and finished model of the final design solution.

Assignments:

4. User Research, documentation & presentation (25%)
5. Analysis & formulation of design brief (15%)
6. Ideation & exploration -- sketches & study models (45%)
7. Final design solution -- product detailing, rendering & finished models/prototype (15%)

Recommended reading: -

- Product Design: Fundamentals and Methods, Roozenburg and Eekels, Publisher: John Wiley & Sons Inc; New Ed edition, 1995
- Steven D.; Product Design and Development, Ulrich, Karl T., Eppinger, McGraw-Hill 1995, 2000, 2004
- Industrial Design- Reflections of a century, J. de Noblet ed., Thames & Hudson, 1993
- The fundamentals of product design by Morris Richards

PD163486 TECHNICAL DRAWING II

TEACHING SCHEME: Total contact period per week – lectures 1 + studio 3 = 4

EXAMINATION SCHEME:

Paper: Nil.

Oral: Nil.

Sessional Assessment: 50 (Internal).
50 (External).

Aim:It equips students with the knowledge of technical drawing for communicating the understanding of the design, materials & process with the needful details.

Objectives:

1. To understand the range of methods used to accurately communicate design and its details.
2. To understand geometrical drawing and mechanical drawing with particular reference to the drawing standards.

Course Contents:

1. Understanding the scale of drawing and layout of drawing (legend).
2. Introduction and drafting of component drawing with details for assembly of product which specifies material and processes.
3. With the understanding of geometrical drawing, component drawing and assembly drawing through extruded view to create a complete industrial drawing of simple product.

Assignments:

1. Sheet work on all the above topics.
2. Drafting final drawing for industrial drawing.

Recommended reading: -

- Rendering with pen and ink by Robert W Gill
- Geometrical drawings for arts students by I.H.Morris and William Jesse.

PD163487 WORKSHOP SKILLS II

TEACHING SCHEME: Total contact period per week –studio 3 = 3

EXAMINATION SCHEME:

Paper: Nil

Oral: Nil

Sessional Assessment: 50(Internal).

Aim: This course equips the students with the skill of using materials and handling machine tools which are essential for fabrication of models and prototypes.

Objectives:

3. To develop the ability to make 3D models and prototypes using a variety of materials.
4. Finishing of the prototypes or models using Styrofoam.
5. To develop confidence of using different hand and machine tools.

Course Contents:

1. Introduction to advanced methods of prototyping like Rapid prototyping,3D printing etc.
2. Introduction to advanced materials of prototyping like Fiber reinforced plastics, polymers etc.
3. Fabrication of simple 3D models using above mentioned materials.
4. To promote & sensitize working towards model making & prototyping availability of advance machinery & tools is desired in above conduct.

Assignments:

1. Making minimum models by hands on experience.

Recommended readings: -

- Shimizu, Y., Models & Prototypes, Graphic-sha Pub. Co., Tokyo, Japan, 1991
- Sutherland, Martha, Model Making: A Basic Guide, WW Norton and Company, New York USA 1999

PD163488 COMPUTER II.

TEACHING SCHEME: Total contact period per week – lectures 1 + studio 3 = 4

EXAMINATION SCHEME:

Paper: Nil

Oral: Nil

Sessional Assessment: 50(Internal).

Aim: This course equips the students with the advanced computer aided design skills essential for understanding, visualizing and presentation of design.

Objectives: To introduce the students to the use of different computer aided design tools inDesigning and 3D visualization of products.

Course Contents:

1. Principles of parametric solid modeling.
2. Information about parts and assemblies.
3. Export of files for photorealistic renderings in 3rd party software.
4. To make students learn principles, tools and techniques of representing the data collected in graphical manner to be able to visualize and represent relevant information.

Assignments:

Minimum 5 products to be modelled.

Recommended readings:-

- User manual of related softwares

PD163489 EXPOSURE TO LIBERAL ARTS II.

TEACHING SCHEME: Total contact period per week – lectures 1 = 1

EXAMINATION SCHEME:

Paper: Nil

Oral: Nil

Sessional Assessment: 50(Internal).

Aim: This course enables the students to study liberal arts.It helps the students to understand the relevance of other mediums of expression.

Objectives: To inculcate the ability of reading, appreciating and experiencing the works of people from different walks of life.

Course Contents:

3. To give exposure to the students to the other medium of expression, communication and art forms like Sculpture, Installation design etc.
4. To give exposure to the students to the thought and works of the contemporary artists.

Recommended authors.

- John Berger – Ways of Seeing.
- Documentary by BBC – How art made the world.
- By Nature's Design -an Exploratorium Book, Neill, William (Photographer); Murphy, Pat; Publisher: Chronicle Books, 1993
- Objects of Design, Publisher: Antonelli, Paola; Museum of Modern Art, 2003
- The Continental Aesthetics Reader, Clive Cazeaux; Routledge, 2011