1ST YEAR / I Semester

ARCH 101: BASIC DESIGN STUDIO

COURSE	COURSE AREA	COURSE TYPOLOGY	NAME OF THE COURSE	TEACHING SCHEME					EVALUATION									TOTAL MARKS	EXAM DURATION (HRS)
									THEORY						STUDIO				
				L	T	S	CREDIT	TOTAL CLASS HRS	MST 1 10%	MST 2 10%	A. MST 10%	SS 50% OR 30%	ESUE 40%	TOTAL	IA 10% OR 60%	EV 10% OR 40%	TOTAL		
ARCH 101	AR	STUDIO	BASIC DESIGN STUDIO			9	9	6							240	160	400	400	

L - THEORY; S- STUDIO , T -TUTORIAL; C - CREDIT;HRS: HOURS ; MST - MIDTERM TEST , A.MST - AVERAGE OF MIDTERM , ESUE - END SEMESTER UNIVERSITY EXAMINATION; IA - INTERNAL ASSESSMENT PROGRESSIVE;,SS- FOLIO FINAL Sessional (INTERNAL) , EV - EXTERNAL VIVA VOICE,RVW - INTERMEDIATE REVIEW

OBJECTIVES OF THE COURSE:

- To introduce the students to the fundamentals and principles of basic design as to enable them, to comprehend Design as a creative process of choice making and statement of intent. to undertake design by application of basic design principles.
- Understanding the human body in space Activities and their relationship with spaces Scales and proportions

EXPECTED SKILLS / KNOWLEDGE TRANSFERRED:

- The Course prepares the ground for the students to gain an understanding of the fundamental issues in the design
  FOCUS: Design Language
  • Students will learn to explore human behaviour & activity through Space,
  • The student will achieve the capacity of Experiencing Space in Time & Motion.
  • The student will learn the basic vocabulary of design
  • Students will learn the creation &organization of formal elements in work of art

COURSE OVERVIEW

- Design provides the framework for understanding design as a new language by sensitizing students to the conceptual, visual and perceptual issues involved in the design process.

COURSE CONTENTS:

- Introduction to design and Architecture:
- Elements of Composition. (2D, 3D, 4D) Transformations in dimensions: Concepts of geometry: Form and Space:
- Mapping of Space(s). (Ideograms)
- Introductory to Anthropometrics & Ergonomics
- Exploration of design principle through case studies

SESSIONAL WORK

Minimum 8 tasks based on elements and principles of composition on sheets and/or models. Minimum one simple spatial design exercise such as seating area in public space, bus shelter, kiosks, play area, entrance gate etc. demonstrating the application of the design principles and communicated effectively through two and three-dimensional hand done drawings, sketches and models.

GUIDELINES

The Tasks Or Assignments /Problem is to be set from the entire syllabus
The topic of the project is to be displayed on Institute Notice Board fifteen days in advance OF commencement of the classes

NOTE :

Evaluation is to be done through viva voice by an external examiner appointed by the university at Institute. Portfolios, after the university exam, shall be retained at the Institute level for the viva-voice.

REFERENCE BOOKS:

Bovill, Carl. Fractal Geometry in Architecture and Design. Boston: Birkhäuser, 1996. Print.
Charles Wallschlacgerm & Cynthia Busic-Snyder, Basic Visual Concepts and Principles for Artists, Architects and Designers, Mc Graw Hill, New York 1992.
Ching, Francis D. K., Barry Onouye, and Douglas Zuberbuhler. Building Structures Illustrated. Print.
Ching, Francis D.K. Architecture: Form, Space, and Order, 2nd Ed. Van Nostrand Reinhold, New York, 1996.
Colquhoun, Alan. Essays in Architectural Criticism: Modern Architecture and Historical Change. Cambridge, MA: MIT, 1981. Print.
Corbusier, Le, and Frederick Etchells. Towards a New Architecture by Le Corbusier. London: Architectural Pr., 1965. Print.
Corbusier, Le, Stanislaus Von. Moos, Arthur Rüegg, and Robert Venturi. Le Corbusier before Le Corbusier: Applied Arts, Architecture, Interiors, Painting, and Photography, 1907-1922: Exhibition Guide. New York: Bard Graduate Center for Studies in the Decorative Arts, Design, and Culture, 2002.
Curtis, Nathaniel Cortlandt. Architectural Composition. Cleveland, O.: J.H. Jansen, 1923. Print.
Dodds, George, Robert Tavernor, and Joseph Rykwert. Body and Building: Essays on the Changing Relation of Body and Architecture. Cambridge, MA: MIT, 2002. Print.
Field, M. City Architecture; Designs for Dwelling Houses, Stores, Hotels, Etc. In 20 Plates. Descriptions and an Essay on the Principles of Design. New-York: D. Appleton, 1854. Print.

Frampton, Kenneth, Arthur Spector, and Lynne Reed. Rosman. Technology, Place & Architecture: The Jerusalem Seminar in Architecture: 1996, 1994, Architecture, History & Memory: 1992, the Public Building: Form & Influence. New York: Rizzoli, 1998. Print.
Hanks, A. David. Decorative Designs of Frank Lloyd Wright, Dover Publications, Inc. New York, 1999.
Hardy, Adam. Indian Temple Architecture: Form and Transformation: The Karnaṭāka Drāvida Tradition, 7th to 13th Centuries. New Delhi: Indira Gandhi National Centre for the Arts, 1995. Print.
Hepler, E. Donald, Wallach, I. Paul. Architecture Drafting and Design, 3rd Ed. McGraw-Hill Book Company, New York, 1977.
Itten, Johannes. Design and Form: The basic course at the Bauhaus, Thames and Hudson Ltd., London 1997.
Johnson, Paul-Alan. The Theory of Architecture: Concepts, Themes & Practices. New York: Van Nostrand Reinhold, 1994. Print.
Krier, Rob. Architectural Composition, Academy Editions, London, 1988.
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Meiss, Pierre Von. Elements of Architecture: From form to place, E and FN Spon, London, 1992.
Owen Cappleman & Michael Jack Jordon, Foundations in Architecture: An Annotated Anthology of Beginning Design Project, Van Nostrand Reinhold New York, 1993.
Pallasmaa, Juhani. The Thinking Hand: Existential and Embodied Wisdom in Architecture. Chichester, U.K.: Wiley, 2010. Print.
Park, Steven, and Le Corbusier. Le Corbusier Redrawn: The Houses. Print.
Pipes, Alan. Drawing on 3-Dimensional Design. Thames and Hudson Ltd., London 1990.
Rasmussen, Steen Eiler. Experiencing Architecture. Cambridge: M.I.T., Massachusetts Institute of Technology, 1962. Print.
Rich, Peter Maurice., and Yvonne Dean. Principles of Element Design. Oxford: Aechitectural, 1999. Print.
Robert W. Gill, Rendering with Pen and Ink
Shibikawa, Ikuyoshi and Takahashi, Yumi. Designers Guide to Colour.
Smithies, K.W. Principles of Design in Architecture. Chapman and Hall, 1983.
Sullivan, Louis H., and Maurice English. The Testament of Stone; Themes of Idealism and Indignation from the Writings of Louis **Sullivan. Evanston,** IL: Northwestern UP, 1963. Print.
Whyte, William Hollingsworth. The Social Life of Small Urban Spaces. Washington, D.C.: Conservation Foundation, 1980.
Wittkower, Rudolf. Architectural Principles in the Age of Humanism. New York: W.W. Norton, 1971. Print.
Wucius, Wong. Principles of Two Dimensional Design. Van Nostrand Reinhold 1972.
Yee, Rendow. Architectural Drawing: A Visual Compendium of Types and Methods. Hoboken, NJ: J. Wiley, 2003. Print.

ARCH 102: VISUAL ARTS STUDIO

COURSE	COURSE AREA	COURSE TYPOLOGY	NAME OF THE COURSE	TEACHING SCHEME					EVALUATION									TOTAL MARKS	EXAM DURATION (HRS)
									THEORY						STUDIO				
				L	T	S	CREDIT	TOTAL CLASS HRS	MST 1 10%	MST 2 10%	A. MST 10%	SS 50% OR 30%	ESUE 40%	TOTAL	IA 10% OR 60%	EV 10% OR 40%	TOTAL		
ARCH 102	AR	STUDIO	VISUAL ARTS STUDIO			3	3	2							60	40	100	100	

L - THEORY; S- STUDIO , T -TUTORIAL; C - CREDIT;HRS: HOURS ; MST - MIDTERM TEST , A.MST - AVERAGE OF MIDTERM , ESUE - END SEMESTER UNIVERSITY EXAMINATION; IA - INTERNAL ASSESSMENT PROGRESSIVE;,SS- FOLIO FINAL Sessional (INTERNAL) , EV - EXTERNAL VIVA VOICE,RVW - INTERMEDIATE REVIEW

OBJECTIVES OF THE COURSE:

- To impart a good foundation in design through hands-on experience in designing simple two dimensional and three-dimensional compositions.

EXPECTED SKILLS / KNOWLEDGE TRANSFERRED :

- To impart an understanding of principles of composition, and appreciate design, elements. Exercises complement the lectures and ensure that the students learn to develop
- **COURSE OVERVIEW:**

Design provides the framework for understanding design as a new language by sensitizing students to the conceptual, visual and perceptual issues involved in the design process. and ways of representing it

- Students will develop their basic skills & abilities of design expression.,
- Students will learn visual literacy and visual expression, elements and principle of design, the skill of rendering using a different medium. acquire the various skill to work with various material
- Freehand: Memory left brain creativity, Objects taking things apart/ reassembly

COURSE CONTENTS:

- Understanding the design field through various exercises
- Relationship of basic design to architectural design and design field in general
- Analytic reasoning and criteria for judgment of design and developing a vocabulary of design subject
- Developing Cognitive skill: Observation, perception, registration, expression and critical thinking
- Elements and principles of design: shapes and patterns: Transformations in two dimensions: Concepts of geometry & Color
- Application of the design field
- Enhancing basic design to architectural design and design field in general
- More complex observations, design and expressional skill
- The abstract composition used as the basis for the development of ideas
- Drawing and rendering skills for the development of a design proposal

Sketching:

• Sketching as a tool to develop ideas, Sketching as a Tool to communicate ideas, Collages & Montages, Model Making I (Paper, Thermocol, Cardboards, Clay, Wood, Etc.)

SESSIONAL WORK :

- Minimum 8 tasks based on the composition of sheets and/or models. Minimum one simple spatial design exercises demonstrating the application of the design principles and communicated effectively through two and three-dimensional hand-done drawings, sketches and models.
- This is a studio subject and students should be made to prepare drawings as studio exercises along with the theoretical inputs. The studio work should be supplemented with appropriate site visits.
- Sketching Techniques: Sketching as a tool to develop ideas, Sketching as a Tool to communicate ideas, Collages & Montages, Model Making I (Paper, Thermocol, Cardboards, Clay, Wood, Etc.)

GUIDELINES

Assignments /Tasks are to be set from the entire syllabus

The topic of the project is to be displayed on Institute Notice Board fifteen days in advance OF commencement of the classes

NOTE :

Evaluation is to be done through viva voce by an external examiner appointed by the university at Institute. Portfolios, after the university exam, shall be retained at the Institute level for the viva-voice.

REFERENCE BOOKS:

Aldo Tanchis and Huw Evans. Bruno Munari, Design as Art. Cambridge: MIT Press, 1987

Anja Hartmann; Unusual Architectural Presentation Drawings; Page One Publishers, 2007.
Arthur L Guptill, Drawing and Sketching in Pencil; Courier Corporation 2012.
Arthur L Guptill, Drawing with Pen and Ink: And a word about the brush; Literary Licensing, LLLC, 2013.
Arthur L Guptill; Rendering with Pen and Ink; Watson-Guptill Publications, 1997.
Berger, John. Ways of Seeing. New York, Viking Press, 1972
Charles Wallschlaeger & Synthia Busic Snyder, Basic Visual Concepts & Principles for artists, architects & designers, McGraw Hill, USA, 1992.
Ching, Francis D. K. Architectural Graphics. New York: Van Nostrand Reinhold, 1975. Print.
Ching, Francis D. K., and James Eckler. Introduction to Architecture. Print.
Ching, Francis D. K., and Steven P. Juroszek. Design Drawing. New York: Van Nostrand Reinhold, 1998. Print.
Ching, Francis D. K., Architecture: Form, Space, and Order. Hoboken, N.J: John Wiley & Sons, 2007. Print.
Frank Lohan; Pen and Ink Techniques; Contemporary books, 1978.
Gombrich, E H. The Story of Art. New York: Phaidon Publishers; distributed by Oxford University Press, 1966
H. Gardner, Art through ages.
Hanks, A. David. Decorative Designs of Frank Lloyd Wright, Dover Publications, Inc. New York, 1999.
Hepler, E. Donald, Wallach, I. Paul. Architecture Drafting and Design, 3rd Ed. McGraw-Hill Book Company, New York, 1977.
International Library of Technology; Elements of Pen and Ink Rendering, Rendering with Pen and Brush, BiblioBazaar, 2010.
Itten, Johannes. Design and Form: The basic course at the Bauhaus, Thames and Hudson Ltd., London 1997.
Krier, Rob. Architectural Composition, Academy Editions, London, 1988.
Lidwell, William; Kritina Holden; Jill Butler (2010). Universal Principles of Design (2nd ed.)Beverly, Massachusetts: Rockport Publishers.
Maier Manfired Basic Principles of Design, Vol.1, 2, 3 & 4, Van Nostrand Reinhold, NY. (1977)
Meiss, Pierre Von. Elements of Architecture: From form to place, E and FN Spon, London, 1992.
Mike W Lin, Architectural Rendering Techniques: A Color Reference; John Wiley and Sons, 1985.
Owen Cappleman & Michael Jack Kordan, Foundations in Architecture: An Annotated Anthology of beginning design projects, Van Nostrand Reinhold, New York.
Paul Laseau, Graphic Thinking For Architects and Designers, John Wiley & Sons, New York, 2001.
Paul Zelanski & Mary Pat Fisher, Design Principles & Problems, 2nd Ed, Thomson & Wadsworth, USA,1996
Pipes, Alan. Drawing on 3-Dimensional Design. Thames and Hudson Ltd., London 1990.
Shibikawa, Ikuyoshi and Takahashi, Yumi. Designers Guide to Colour.
Smithies, K.W. Principles of Design in Architecture. Chapman and Hall, 1983
Tibor K Karsai, The Airbrush in Architectural Illustration; Van Nostrand Reinhold, 1989.
Trewin Copplestone, Arts in Society, Prentice Hall Inc, Englewood Cliffs, N. J. 1983.
White, Alex (2011). The Elements of Graphic Design. New York, NY: Allworth Press.
William Wilson Atkin; Architectural Presentation Techniques; Van Nostrand Reinhold Co., 1976. ISBN 0442203616, 9780442203610
Wucius, Wong. Principles of Two Dimensional Design. Van Nostrand Reinhold 1972.

ARCH 103: BUILDING MATERIAL & CONSTRUCTION - I

COURSE	COURSE AREA	COURSE TYPOLOGY	NAME OF THE COURSE	TEACHING SCHEME					EVALUATION									TOTAL MARKS	EXAM DURATION (HRS)
									THEORY						STUDIO				
				L	T	S	CREDIT	TOTAL CLASS HRS	MST 1 10%	MST 2 10%	A. MST 10%	SS 50% OR 30%	ESUE 40%	TOTAL	IA 10% OR 60%	EV 10% OR 40%	TOTAL		
ARCH 103	TE	THEORY CUM STUDIO	BUILDING MATERIAL & CONSTRUCTION I	1		2	3	2	15	15	15	45	60	120	0	30	30	150	3

L - THEORY; S- STUDIO , T -TUTORIAL; C - CREDIT;HRS: HOURS ; MST - MIDTERM TEST , A.MST - AVERAGE OF MIDTERM , ESUE - END SEMESTER UNIVERSITY EXAMINATION; IA - INTERNAL ASSESSMENT PROGRESSIVE;,SS- FOLIO FINAL Sessional (INTERNAL) , EV - EXTERNAL VIVA VOICE,RVW - INTERMEDIATE REVIEW

OBJECTIVES OF THE COURSE:

To understand the elementary and simple construction methods, explaining basic principles and considerations in the construction of buildings

EXPECTED SKILLS / KNOWLEDGE TRANSFERRED:

To understand the techniques of construction of a simple load bearing structure with simple material like brick, stone etc. Knowledge required for specifying appropriate materials for various spaces in buildings

FOCUS: Building Materials and Load Bearing Const. Systems

- Students will get the understanding of materials of construction, basic principles of construction and elements of buildings through theory, relevant drawing & experience.
- Students will get the Understanding of materials and building system in a broad overview.
- Students will learn vocabulary related to building elements and construction.

COURSE OVERVIEW:

This course is a combination of lecture & studio classes aimed at developing the students understanding of material properties and construction techniques with hands-on construction yard assignments to introduces to the methods and techniques of construction of basic elements of a simple building and provides information on the properties, use, installation and costs of basic building materials.

- Basic materials of construction: natural and man-made
- Basic building elements and systems of building through case studies.
- Understanding of constructional behaviour of different elements of a construction system, in relation to the properties of materials.
- Keywords, Terms & its definitions.
- The concern with the appropriateness of materials to the context
- Load bearing system

COURSE CONTENTS:

Introduction to basic elements of buildings and their importance: Structural concepts. Load bearing & non-load bearing walls; Construction details; Earthquake resistance; Types - walls, piers, footings, retaining structures;

- Introduction to different types of Masonry
  Brick Masonry: Brick: Brick bonds: walls, Garden wall bonding:
- Stone masonry: Stone: Rubble work:
- Composite masonry:
- Cladding:
- Openings: Lintels: Arches:
- Ground and upper floors: Flooring Finishes: Flat roofs:

NOTE:

The class work and home assignments should include appropriate site visits by the students. The student will maintain field observations/record books. At least two exercises to be done in the construction yard. Each Unit should include market survey and construction site visit compulsorily.

GUIDELINES FOR QUESTION PAPER SETTING

All Theory cum studio-based courses

- Part- A (5 NOS X 6 MARKS = 30 MARKS) Answer all questions
- Part- B (2 NOS X15 MARKS = 30MARKS)
- (Either or type)

(Since they are a mix of drawing and theory content, all
Part-A questions relate theory
Part–B questions are drawing based.
It is not possible for a candidate to answer more than 4 drawing questions in a three-hour duration)to theory and all

- Students will be required to attempt 5+2 questions from the Eight questions, are to be set from entire syllabus. where 2 questions may be short answer , 2 questions may be short answer type with 2- 3 subheads and 2, short with 4 subheads answer type and 2 essay type questions which is compulsory.
- Students should attempt total 7 Questions including the compulsory question.
- Question paper is to be set covering the entire syllabus.

REFERENCE BOOKS:

A.Agarwal –Mud: The potentials of earth-based material for third world housing – IIED, London 1981**.**
Agrawal, B. K. Introduction to Engineering Materials. New Delhi: Tata McGraw Hill Education Ltd., 2013
Ash, Ahmed. Materials science in construction: an introduction. London: Taylor & Francis, 2015
Barry, R. The Construction of Buildings Vol. 2, 5th Ed. East-West Press. New Delhi, 1999.
Beylerian, George M.. Material Connexion: The Global Resource Of New And Innovative Materials For Architects, Artists And Designers. UK: Thames & Hudson Ltd, 2005
Bhavikatti, S. S. Building Construction. Noida: Vikas Publishing House Pvt. Ltd., 2013
Bhavikatti, S. S. Materials of Construction Vol - 2. New Delhi: I. K. International Publishing House Pvt. Ltd., 2014
Biggs, John M.. Introduction to Structural Dynamics. New Delhi: McGraw Hill Education India Pvt Ltd, 2014
Bindra, S P.and Arora, S P. Building Construction: Planning Techniques and Methods of Construction, 19th ed. Dhanpat Rai Pub. New Delhi, 2000.
Charleson, Andrew. The structure of architecture: Sourcebook for architects and structural engineers. London: Taylor & Francis, 2015
Ching, Francis D. K. Building Structures Illustrated. New York: John Wiley & Sons, Inc., 2014
Ching, Francis D. K. Visual Dictionary of Architecture. Delhi: Wiley India (P) Ltd., 2012
Chudley, R.. Building Construction Handbook. Oxford: Butterworth-Heinemann Ltd., 2010
Chudley, R. construction Technology.
Cohen, Jean-Louis. Liquid Stone: New Architecture in Concrete. Boston: Birkhauser, 2006
Deplazes, Andrea. Constructing Architecture Materials Processes Structures: A Handbook. Switzerland: Birkhauser-Publisher of Architecture, 2013
Dr.B.C.Punmia – Building construction
Duggal, S. K. Building Materials. New Delhi: New Age International (P) Limited, 2012
Francies D.K.Ching – Building Construction Illustrated. VNR, 1975.
Gambhir, M. L.. Building Materials: Products, Properties and Systems. New Delhi: Tata McGraw Hill Education Private Limited, 2011
Hailey and Hancock, D.W. Brick Work and Associated Studies Vol. 2. MacMillan, London, 1979.
Hibbeler, Russell C.. Structural Analysis. India: Pearson Education Asia Pte. Ltd., 2013
HUDCO – All you wanted to know about soil stabilized mud blocks, New Delhi, 1989.
Khurmi, R. S. The strength of Materials: Mechanics of Solids. New Delhi: S. Chand & Company Ltd., 2013
Kotadiya A. S. Building Construction. : Mahajan Publishing, 2014
Kula, Daniel. Materiology: The Creative's Guide to Materials and Technologies. USA: Frame Publishers; 2009
Kumar, Sushil. Building Construction. New Delhi: Standard Publishers Distributors, 2012
Laursen, Harold I., Structural Analysis. New Delhi: McGraw Hill Education India Pvt Ltd, 2014
Levy, Matthys., Why Buildings Fall Down: How Structures Fail. New York: W. W. Norton and Co., 2002
Lyons. Materials for Architects & builders. New York: Taylor & Francis, 2014
McKay, J. K. Building Construction Vol - 2-4: Metric. Delhi: Pearson Education Pte. Ltd., 2013
Mckay, W. B.. Building Construction Vol - 1: Metric. New Delhi: Pearson Education Asia Pvt. Ltd.; India, 2013
Millias, Malcolm. Building structures from concept to design. London: Spon Press, 2005
Moxley, R. Mitchell's Elementary Building Construction, Technical Press Ltd.
Muttoni, Aurelio. Art of Structures: Introduction to the Functioning of Structures in Architecture. UK: Taylor & Francis, 2011
Inouye, Barry S. Statics And Strength Of Materials For Architecture And Building Construction. Chennai: Pearson India Education Services Pvt Ltd., 2015
Pandit, G. S. Structural Analysis: A Matrix Approach. New Delhi: Tata McGraw-Hill Publishing Company Ltd., 2008
Parikh, Janak. Understanding Concept of Structural Analysis and Design. Anand: Charotar Publishing House, 2000
Patel, Nimish. Stone Buildings of Gujarat. Ahmedabad: CEPT University, 2010
Punmia, B. C.. Building Construction. New Delhi: Laxmi Publications Pvt. Ltd., 2008
Rangwala, S.C. Building Construction, 22nd ed. Charotar Pub. House, Anand,2004.
Rangwala, S. C.. Engineering Materials: Material Science. Anand: Charotar Publishing House, 2014
Salvadori, Mario. Why Buildings Stand Up: The Strength of Architecture. New York: W. W. Norton and Co., 1980
Sandaker, Bjorn N. Structural Basis of Architecture. UK: Taylor & Francis, 2011
Schodek, Daniel L.. Structures. New Delhi: PHI Learning Private Limited, 2014
Shah, M. G.. Building Drawing: With an Integrated Approach to Built Environment. New Delhi: McGraw-Hill Publishing Company Ltd., 2013
Sherratt, Fred. Materials science in construction: an introduction. London: Taylor & Francis, 2015
Singh, Gurcharan. BUILDING MATERIAL AND CONSTRUCTIONs. Delhi: Standard Book House, 2012
Soni, Saurabh Kumar. Building Materials and Construction. New Delhi: S. K. Kataria & Sons, 2013
Use of Bamboo and a Reed in Construction – UNO Publications
Watson, Donald. Time Saver Standards for Building Materials and Systems: Design Criteria and Selection Data. New Delhi: Tata McGraw Hill Education Private Limited, 2009

ARCH 104: ARCHITECTURAL DRAWING - I

COURSE	COURSE AREA	COURSE TYPOLOGY	NAME OF THE COURSE	TEACHING SCHEME					EVALUATION									TOTAL MARKS	EXAM DURATION (HRS)
									THEORY						STUDIO				
				L	T	S	CREDIT	TOTAL CLASS HRS	MST 1 10%	MST 2 10%	A. MST 10%	SS 50% OR 30%	ESUE 40%	TOT AL	IA 10% OR 60%	EV 10% OR 40%	TOTAL		
ARCH 104	SK	STUDIO	ARCHITECTURAL DRAWING -I			5	5	3							60	40	100	100	

L - THEORY; S- STUDIO , T -TUTORIAL; C - CREDIT;HRS: HOURS ; MST - MIDTERM TEST , A.MST - AVERAGE OF MIDTERM , ESUE - END SEMESTER UNIVERSITY EXAMINATION; IA - INTERNAL ASSESSMENT PROGRESSIVE;,SS- FOLIO FINAL Sessional (INTERNAL) , EV - EXTERNAL VIVA VOICE,RVW - INTERMEDIATE REVIEW

OBJECTIVES OF THE COURSE:

- To introduce architectural drawing techniques and to facilitate effective visual communication. The students will develop knowledge of orthographic projections, measured drawing and skill in FreeHand sketching

EXPECTED SKILLS / KNOWLEDGE TRANSFERRED:

- Scale drawing, conventional architectural representations in drawings and graphics.
  • Students will develop the understanding & skills of technical drawing as a tool for visual communication.
  • Students will learn the basic drafting and visualization skill

COURSE OVERVIEW:

- The course introduces the fundamental techniques of architectural drawing and develops the appropriate skills for visualization and representation.

COURSE CONTENTS:

Introduction; Drawing:

- Basic and analytical geometry – Geometric Constructions
- Geometrical Drawing:
- Description of Plane Curves
- Solid Geometry: Sections of solid
- Architectural Symbols:
- Orthographic Projections, Auxiliary Projection
- Development of surfaces
- Axonometric views, Isometric views and other views.
- Measuring and Drawing to Scale:
- FreeHand Drawings: line strokes, light and shade techniques of simple, natural and 3D geometric forms. Study of proportions and scale; structure and axes of objects; Outdoor sketching of simple building forms.

GUIDELINES

Assignments /Tasks is to be set from the entire syllabus, The topic of the project is to be displayed on Institute Notice Board fifteen days - a week time in advance OF commencement of the classes

NOTE :

This is a studio subject and students should be made to prepare drawings as studio exercises along with the theoretical inputs. The studio work should be supplemented with appropriate site visits.
Evaluation is to be done through viva voce by an external examiner appointed by the university at Institute. Portfolios, after the university exam, shall be retained at the Institute level for the viva - voice

REFERENCE BOOKS:

Alan Jefferis, David A. Madsen, David P. Madsen. Architectural Drafting & design. Delmar Cengage Learning
approach the built environment, 7th Ed. Tata McGraw Hill Pub., Delhi, 2000.
Bhatt, N.D. and Panchal V.M. Engineering Drawing: Plane and Solid Geometry, 42nd ed. Charotar Pub., Anand, 2000.
Bies, D. John. Architectural Drafting: Structure and Environment. Bobbs – Merrill Educational Pub., Indianapolis.
Council Jensen. Engineering Drawing & Design. McGraw-Hill
Ching, Francis D. K. Architectural Graphics. New York: Van Nostrand Reinhold, 1975. Print.
Ching, Francis D. K., and Cassandra Adams. Building Construction Illustrated. New York: Wiley, 2001. Print.
Ching, Francis D. K., and James Eckler. Introduction to Architecture. Print.
Ching, Francis D. K., and Steven P. Juroszek. Design Drawing. New York: Van Nostrand Reinhold, 1998. Print.
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Ching, Francis D. K., Barry Onouye, and Douglas Zuberbuhler. Building Structures Illustrated. Hoboken, NJ: John Wiley & Sons, 2009. Print.
Dana J. Hepler, Paul Ross Wallach, Donald Hepler., Drafting & Design Architecture & Construction. Delmar Cengage Learning
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Douglas Cooper., Drawing and Perceiving. WILEY
Francis D.K.Ching &Steven P Juroszek, Design drawing, John Wiley & Sons, USA, 1998
George Barnett Johnston., Drafting Culture. The MIT Press
Gill, P.S. T.B. of Geometrical Drawing, 3rd Ed. Dewan Sushil Kumar Kataria, Ludhiana, 1986.
Helmut Pottmann. Architectural geometry. Bentley Institute Press
I.H. Morris, Geometrical Drawing for Art Students, Orient Longman Chennai.
M.S.Kumar, Engineering Drawing, DD publications, Chennai 600 048
Moris, I.H. Geometrical Drawing for Art Students.
ND Bhatt. Engineering Drawing. Charotar Publishing House
Nelson, A. John. H.B. of Architectural and Civil Drafting, Van Nostrand Reinhold, New York, 1983.
Nichols, T.B. and Keep, Norman. The geometry of Construction, 3rd ed. Cleaver – Hume Press Ltd., London, 1959.
Rayeuans, Drawing and Painting Architecture Pub. Van Nostrand Reinhold Company, New York

Robert W. Gil. Rendering with pen and ink. Thames & Hudson
Shah, M.G., Kale, C.M. and Patki, S.Y. Building Drawing: with an integrated approach to the built environment, 7th Ed. Tata McGraw Hill Pub., Delhi, 2000.
Thomas Obermeyer., Architectural Drafting Residencial & Commercial. Glencoe/McGraw-Hill
Thoms, E. French. Graphic Science and Design, New York: Mc Graw Hill.

ARCH 105: HISTORY OF ARCHITECTURE - I

COURSE	COURSE AREA	COURSE TYPOLOGY	NAME OF THE COURSE	TEACHING SCHEME					EVALUATION									TOTAL MARKS	EXAM DURATION (HRS)
									THEORY						STUDIO				
				L	T	S	CREDIT	TOTAL CLASS HRS	MST 1 10%	MST 2 10%	A. MST 10%	SS 50% OR 30%	ESUE 40%	TOTAL	IA 10% OR 60%	EV 10% OR 40%	TOTAL		
ARCH 105	AR	THEORY	HISTORY OF ARCHITECTURE I	2			2	2	10	10	10	50	40	100				100	3

L - THEORY; S- STUDIO , T -TUTORIAL; C - CREDIT;HRS: HOURS ; MST - MIDTERM TEST , A.MST - AVERAGE OF MIDTERM , ESUE - END SEMESTER UNIVERSITY EXAMINATION; IA - INTERNAL ASSESSMENT PROGRESSIVE;,SS- FOLIO FINAL Sessional (INTERNAL) , EV - EXTERNAL VIVA VOICE,RVW - INTERMEDIATE REVIEW

OBJECTIVES OF THE COURSE:

To expose the students to a wide spectrum of architectural styles ranging from pre-historic to modern times.
To explain to the students the evolution of architecture in relation to time with special emphasis on social, religious and environmental factors. To make the students understand the developments in the construction technology in different periods.

EXPECTED SKILLS / KNOWLEDGE TRANSFERRED:

Acquire knowledge to identify the common characteristics among the monuments of a particular style and good practices of architecture in the past
Acquire graphic skills to present a building, analyze its elements and explain the composition.
FOCUS: Humanities
The student will learn an appreciation of various cultural expressions through instruction and experience
The students will develop an appreciation of the rigorous thought processes in the field of science

COURSE OVERVIEW:

History of Architecture to be studied as the development of building forms in response to social, religious, aesthetic and environmental factors. It focuses on the three-dimensional forms plans forms, façade organization, a structural solution, construction methods and ornamentation as well as focus on the general trends and not on specific e.g. of buildings.

COURSE CONTENTS:

Detailed study & analysis of architectural design fundamentals through significant e.g. in the light of the following for the periods mentioned in the modules. Genesis of seed ideas & concepts; Timeline; Socio-political background, key people involved; Climatic & geographic influence; General settlement pattern; Cities & its civic places; Construction technology & material; Design principles; Typology; Evolution; Spatial organization; Form & Detailing. The e.g. to represent the following historical styles are suggestive & students are encouraged to explore additional e.g. for a comprehensive understanding of the respective styles

- Understanding art as an expression of culture.
- Exposition of aspects of literature, performing arts - theatre, dance, music and plastic arts; painting, sculpture, film, in terms of basic characteristics and development of each field and first-hand experience of some work
- Philosophical explorations into man's place in the world, ethics, aesthetics and epistemology as systems of the relationship between man, society, artefacts and thought
- The discipline of history and the continuous observation and criticism of society
- Critical thinking – its basis and intent
- Teaching & learning through reading, discussions, debate & critical judgment

GUIDELINES FOR QUESTION PAPER SETTING

All Theory Courses

- Part- A (5 NOS X 2 MARKS = 10 MARKS) Answer all questions
- Part- B (2 NOS X15 MARKS = 30 MARKS)
- (Either or type)

- Students will be required to attempt five questions from the Eight questions, are to be set from entire syllabus. where 2 questions may be short answer type which is compulsory with 2- 3 subheads and 2, short with 4 subheads answer type and 4 essay type questions.
- Students should attempt total Seven Questions including the compulsory question.
- Question paper is to be set covering the entire syllabus.

NOTE:-Emphasis should be laid on understating of building evolution and form. The continuous evaluation shall be made of students work based on various models, assignments and sketching.

REFERENCE BOOKS:

Arnold, Dana. Art History: A Very Short Introduction. New York: Oxford UP, 2004. Print.
Bhende, Asha A., and Tara Kanitkar. Principles of Population Studies. Bombay: Himalaya Pub. House, 1978. Print.
Bronowski, Jacob. The Ascent of Man. Boston: Little, Brown, 1974. Print.
Copplistone, Trewin and Others. World Architecture: An Illustrated History, 11th Ed. Hamlyn, London, 1979.
Fletcher, Sir Banister. A History of Architecture, 19th Ed. CBS Pub., Delhi, 1992.
Giddens, Anthony., Introduction to Sociology. New York: W.W. Norton, 1996. Print.
Heidegger, Martin, and Ralph Manheim. An Introduction to Metaphysics. New Haven: Yale UP, 1959. Print.

Johnson, Harry Morton. Sociology: A Systematic Introduction. New York: Harcourt, Brace, 1960. Print.
Lannoy, Richard. The Speaking Tree: A Study of Indian Culture and Society. London: Oxford UP, 1971. Print.
Majumdar, Ramesh Chandra. The History and Culture of the Indian People. Mumbai: Bharatiya Vidya Bhavan, 1996. Print.
Oliver, Paul. Encyclopedia of Vernacular Architecture of the World. Cambridge: Cambridge UP, 1997. Print.
Patrick Nuttgens, The Story Of Architecture
Pearce, F. G. An Outline History of Civilization. Bombay: Oxford U.P., 1965. Print.
Rudofsky, Bernard. Architecture without Architects, an Introduction to nonpedigreed Architecture. New York: Museum of Modern Art; Distributed by Doubleday, Garden City, N.Y., 1964. Print.
Schulz, Christian Norberg. Meaning in Western Architecture, 2nd Ed. Rizzoli Intl. Pub., New York, 1981.
Siegfried Gideon, Space, Time And Architecture
Soergel, Philip M. Arts & Humanities Through the Eras. Detroit: Thomson Gale, 2005. Print.
Stallabrass, Julian, and Julian Stallabrass. Contemporary Art: A Very Short Introduction. Oxford: Oxford UP, 2006. Print.
Toynbee, Arnold. Mankind and Mother Earth: A Narrative History of the World. New York: Oxford UP, 1976. Print.
Yarwood, Doreen. A Chronology of Western Architecture. B.T. Batsford Ltd., London, 1987.

ARCH 106: MATHEMATICS

COURSE	COURSE AREA	COURSE TYPOLOGY	NAME OF THE COURSE	TEACHING SCHEME					EVALUATION									TOTAL MARKS	EXAM DURATION (HRS)
									THEORY						STUDIO				
				L	T	S	CREDIT	TOTAL CLASS HRS	MST 1 10%	MST 2 10%	A. MST 10%	SS 50% OR 30%	ESUE 40%	TOTAL	IA 10% OR 60%	EV 10% OR 40%	TOTAL		
ARCH 106	AR	THEORY	MATHEMATICS	2			2	2	10	10	10	50	40	100				100	3

L - THEORY; S- STUDIO , T -TUTORIAL; C - CREDIT;HRS: HOURS ; MST - MIDTERM TEST , A.MST - AVERAGE OF MIDTERM , ESUE - END SEMESTER UNIVERSITY EXAMINATION; IA - INTERNAL ASSESSMENT PROGRESSIVE;,SS- FOLIO FINAL Sessional (INTERNAL) , EV - EXTERNAL VIVA VOICE,RVW - INTERMEDIATE REVIEW

OBJECTIVES OF THE COURSE

To equip the students with the necessary mathematical background to comprehend the aspects of design elements and structural stability. To recap students about the mathematical concepts of statistics and probability, matrices, differential and integral calculus and partial differentiation and enable them to understand the application of these mathematical concepts related to architecture.

The course is aimed at developing basic Mathematical skills for Architecture students to understand structural concepts complex form and geometry.

EXPECTED SKILLS / KNOWLEDGE TRANSFERRED:

To inculcate an understanding of the application of matrices, differential calculus, integration & analytical geometry in the study of architecture.

COURSE OVERVIEW:

To provide a base of concepts of maths for students

COURSE CONTENTS:

- **Mathematics in Design** Proportion, Golden ratio and Beauty, Scale, fractal design, Euclidean geometry, Understanding non-parallel surfaces, Symmetry and Anti-symmetry.
- **Statistics & Probability** Measures of Central Tendency and Measures of Dispersion. Kurtosis, Curve fitting, Method of Least Squares (Straight Line and Parabola), Correlation and Regression.
- **Matrices** Adjoint, transpose and the inverse of matrices, an orthogonal matrix, Rank of matrix, Consistency and inconsistency of linear equations.
- **Differential and Integral** Calculus Tangent and Normal, Curvature (Cartesian and parametric forms), Taylor's and Mclaurin's expansion for one variable. Indeterminate forms, Maxima, Minima for a function of one variable. Reduction Formulae, Use of double and triple integrals, Calculation of areas using multiple integrals.
- **Mathematics and Measurements** Methods to calculate areas and volumes for various geometrical shapes and volumes. SI Metric Units of measurements for angles, time, mass, distance, volume, force, energy, power, current, potential difference, resistance, pressure, frequency, thermodynamic temperature, luminous intensity etc.
- **Basic Geometry** Trigonometry, Using Geometries to Apply Trigonometry, menstruation, centroids and moment of inertia, Geometric mapping, cartography,
- **Finite Maths**

GUIDELINES FOR QUESTION PAPER SETTING

All Theory Courses

- Part- A (5 NOS X 2 MARKS = 10 MARKS) Answer all questions
- Part- B (2 NOS X15 MARKS = 30 MARKS)
- (Either or type)

- Students will be required to attempt five questions from the Eight questions, are to be set from entire syllabus. where 2 questions may be short answer type which is compulsory with 2- 3 subheads and 2, short with 4 subheads answer type and 4 essay type questions.
- Students should attempt total Seven Questions including the compulsory question.
- Question paper is to be set covering the entire syllabus.

NOTE

Emphasis should be laid on understating of architectural vocabulary, to help to do presentation graphically, verbally. The continuous evaluation shall be made of students work based on various assignments and presentations

REFERENCE BOOKS

Grewal B.S., Higher Engineering Mathematics, 35th edition, Khanna Publishers, 2000.
Dechiara &callender, Time saver standards for Architectural design data.
Veerarajan.T. Theory and problems in Numerical Methods, Tata McGraw Hill Publishing Co., New Delhi,2004.
Veerarajan T., Engineering Mathematics, Tata McGraw Hill Publishing Co., New Delhi, 2000.
Kandasamy P et al. Engineering Mathematics, Vol. I (4th revised edition), S.Chand & Co., New Delhi, 2000.
Venkataraman M.K., Engineering Mathematics – First Year (2nd edition), National Publishing Co., Chennai,2000.
Narayanan S., Manicavasagam Pillay T.K., Ramanaiah G., Advanced Mathematics for Engineering students, Volume I (2nd

edition), S.Viswanathan Printers and Publishers, 1992.
Ramamurthy V, et al Engineering Mathematics Vol. I and II, Anuradha Publications.
A.Singaravelu, Numerical methods –Meenakshi Agency, Chennai -2004
The Power of Limits: Proportional Harmonies in Nature, Art, and Architecture by Gyorgy Doczi
Mathematics for the Non-mathematician by Morris Kline
The Fractal Dimension of Architecture (Mathematics and the Built Environment) by Michael J. Ostwald and Josephine Vaughan
New Mathematics of Architecture by Jane Burry and Mark Burry • Architecture and Mathematics from Antiquity to the Future: Volume I: Antiquity to the 1500s by Kim Williams and Michael J. Ostwald
Ching, F. D. K. (2001). Architecture: Form, Space, and Order. 3rd Ed. New York: John Wiley & Sons.
Grewal, B. S. (1998). Higher Engineering Mathematics. Delhi: Khanna Publishers.
Kandasamy, P., Thilagavathy, K. and Gunavathy, K. (1998). Engineering Mathematics Vol – I & II. New Delhi: S. Chand Publishers.
Kreyszig, E. (2007). Advanced Engineering Mathematics. Hoboken: John Wiley & Sons.
Ramana, B.V. (2006). Higher Engineering Mathematics. New Delhi: Tata McGraw-Hill.
Reenberg, M. D. (1998). Advanced Engineering Mathematics. 2nd Ed. New Jersey: Prentice-Hall.
Salingaros, N. A. (2006). A Theory of Architecture. Solingen: Umbau-Verlag.
BIPM. (2014). The International System of Units (SI). 8 the Ed. Bureau International des Poids et Mesure

ARCH 108: WORKSHOP I

COURSE	COURSE AREA	COURSE TYPOLOGY	NAME OF THE COURSE	TEACHING SCHEME					EVALUATION									TOTAL MARKS	EXAM DURATION (HRS)
									THEORY						STUDIO				
				L	T	S	CREDIT	TOTAL CLASS HRS	MST 1 10%	MST 2 10%	A. MST 10%	SS 50% OR 30%	ESUE 40%	TOTAL	IA 10% OR 60%	EV 10% OR 40%	TOTAL		
ARCH 108	SK	STUDIO	WORKSHOP I			1	1	2							60	40	100	100	

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OBJECTIVES OF THE COURSE:

To introduce various fabrication skills and techniques necessary to produce scale- models, encourage the preparation of models as an essential phase in design development and evaluation. Developing overall skills in understanding various tools, processes and material.

EXPECTED SKILLS / KNOWLEDGE TRANSFERRED:

Dexterity; Knowledge of materials and their properties; craft skills; visualization skills;

FOCUS: Manual Skills

- The student will learn different methods and techniques to represent an idea & thoughts
- The student will have various representation techniques at her disposal
- The student will be able to represent a design idea 3 dimensionally
- Use of presentation software

COURSE OVERVIEW:

The course provides the foundation and capability to represent the concepts three-dimensionally.

Sketching Techniques

COURSE CONTENTS:

Sketching: Sketching as a tool to develop ideas, to communicate ideas

Craft: Collages & Montages, Form Work

Model Making

- Model Making (Paper, Thermocol, Cardboards, Clay, Wood, Etc.)
- Understanding various basic tools used for carpentry joinery and fabrication.
- Understanding various building materials and their tools used for cutting, joining and extension. Handling materials like wood, marble, steel, MS, plywood, POP, Aluminum etc.
- Understanding nailing, screwing, riveting and their various conditions and types of applications.
- Expression of forms- By handling various materials.

Basic Use of Computers: Presentation Softwares (MS Office, Prezi & Others)

Photography: inbuilt models, using lighting and natural background

SESSIONAL WORK:

ASSIGNMENTS :

All the above modules will be evaluated in the form of verbal or written presentation of artwork, drawing work, model making, photography, etc. At least three major assignments involving the individual students to fabricate

Scale model of a piece of furniture, Presentation of models, mock-up of an Everyday Object

Three-dimensional Forms etc.

Documentation of the important phases of fabrication is must which shall become the basis for internal evaluation.

GUIDELINES

Continuous Evaluation shall be made of students work based on various models, sketches assignments and market surveys.

One Major And rest minor tasks are to be set from the entire syllabus

The topic of the project is to be displayed on Institute Notice Board fifteen days in advance OF commencement of the classes

NOTE:

Evaluation is to be done through viva voice. Portfolios, after the university exam, shall be retained at the Institute level for the viva- voice.

REFERENCE BOOKS:

Bernald, S and Copplene, Myers. History of Art.
Ching, Francis D. K., and James Eckler. Introduction to Architecture. Print.
Ching, Francis D. K., and Steven P. Juroszek. Design Drawing. New York: Van Nostrand Reinhold, 1998. Print.
Ching, Francis D. K., Architecture: Form, Space, and Order. Hoboken, N.J: John Wiley & Sons, 2007. Print.
Tim Mc Creight & Nicole Bsullak Color on Metal
Craven, C. Roy. Indian Art a Concise History.
Deepak John Mathew., Principles of design through photography. Wisdom Tree Publishers
Douglas Cooper., Drawing and Perceiving. John Wiley & Sons.
Edward D. Levinson., Architectural Rendering Fundamentals. McGraw-Hill
Helmut Pottmann., Architectural geometry. Bentley Institute Press Illustrated story of art. DK Publications.
Krier, Rob. The element of Architecture. Academy Editions, London, 1992.
Lorraine Farrelly. Representational Techniques. Fairchild Books AVA
Magnet, Jacque. The Aesthetic Experiences: An anthropologist looks at the Visual Art.
Martin Dawber. Contemporary Illustration. Batsford, 2009
Michael E. Doyle. Colour Drawing. Wiley
Catherine Norman, Ryland Peters & Small, Paper Scissor Glue
Phil Metzger. The Art of Perspective: The Ultimate Guide for Artists in Every Medium. North Light Books, 2007
Preble, Duame. Art Forms.
Ray Smith. Artists Handbook. DK Publications.
Richard Poulin., Graphic design +architecture. Rockport Publishers
Robert W. Gil., Rendering with pen and ink., Thames & Hudson
Snyder, C. James and Catanese, J. Anthony. Introduction to Architecture.
Tapert, Annette. Swid Powell: Objects by Architects. Rizzoli, New York, 1990.
Donna Kato & Natson Guptill, The art of Polymer Clay
Eugene Felder & Emmett Elvin, The complete book of drawing techniques, by
Thyagarajan. Basic practical photography
Wilson William Atkin. Architectural Presentation Techniques. Van Nostrand Reinhold

HUCS 101: COMMUNICATION SKILLS

COURSE	COURSE AREA	COURSE TYPOLOGY	NAME OF THE COURSE	TEACHING SCHEME					EVALUATION									TOTAL MARKS	EXAM DURATION (HRS)
									THEORY						STUDIO				
				L	T	S	CREDIT	TOTAL CLASS HRS	MST 1 10%	MST 2 10%	A. MST 10%	SS 50% OR 30%	ESUE 40%	TOTAL	IA 10% OR 60%	EV 10% OR 40%	TOTAL		
HUCS 101	SK	THEORY	COMMUNICATION SKILLS	1		1	2	3	20	20	20	20	60	100	20		20	120	3

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OBJECTIVES OF THE COURSE

Develop the second language learners ability to enhance and demonstrate lsrw skills

Acquire English language skills to further their studies at advanced levels

Become more confident and active participants in all aspects of their undergraduate programs

EXPECTED SKILLS / KNOWLEDGE TRANSFERRED:

The students should be able to :

Have confidence in their ability to read , comprehend , organise and retain written information

Write gramatically correct sentences for various forms of written communication to express themselves

COURSE OVERVIEW:

To provide an adequate mastery of technical and communicative English Language training primarily, reading and writing skills, secondarily listening and speaking skills.

COURSE CONTENTS:

Unit i

Communication : nature , meaning , definition , verbal and non verbal communication , barriers to communication

Unit ii

Basic language skills : grammar and usage , parts of speech , tenses , subject and verb agreement , preposition , articles

Unit iii

Basic language skills: types of sentences , direct - indirect , active and passive voice , phrases and clauses

Unit iv

Business correspondence: business letter, parts and layouts of business resume and job application ,email writing ,e-mail etiquettes.

unit v

report writing : importance of report , types of report, structure of a report

practical :

self introduction, reading skills and listening skills, oral presentation, linguistics and phonetics, JAM (just a minute) , group discussion, role plays

NOTE

A Student Has To Produce A Presentation By The End Of The Term and proper presentations as it is part of the architecture for juries and presentations

REFERENCE BOOKS

Ashraf Rizvi(2005) Effective Technical Communication , New Delhi : Tata Mc Graw Hill

Adair John (2003) Effective communication . London :pan Macmillian Ltd

A.J.Thomson and A.V.Martinet (1991) APractical English Grammer (4th ed) New york: Oxford IBH Pub

Kratz,Abby Robinson (1995) Effective Listening skills,Toronto On: Irwin Professional Publishing

Prasad ,H.M(2001) How to prepare for group discussion and Interview .New delhi tatat Mc Graw Hill

Pease Allan (1998) Body language , Delhi : Sudha Publications

ARCH 119: ELECTIVE - I

COURSE	COURSE AREA	COURSE TYPOLOGY	NAME OF THE COURSE	TEACHING SCHEME					EVALUATION									TOTAL MARKS	EXAM DURATION (HRS)
									THEORY						STUDIO				
				L	T	S	CREDIT	TOTAL CLASS HRS	MST 1 10%	MST 2 10%	A. MST 10%	SS 50% OR 30%	ESUE 40%	TOTAL	IA 10% OR 60%	EV 10% OR 40%	TOTAL		
ARCH 119	SU	STUDIO	ELECTIVE- I (POOL I)			1	1	2							50		50	50	

L - THEORY; S- STUDIO , T -TUTORIAL; C - CREDIT;HRS: HOURS ; MST - MIDTERM TEST , A.MST - AVERAGE OF MIDTERM , ESUE - END SEMESTER UNIVERSITY EXAMINATION; IA - INTERNAL ASSESSMENT PROGRESSIVE;,SS- FOLIO FINAL Sessional (INTERNAL) , EV - EXTERNAL VIVA VOICE,RVW - INTERMEDIATE REVIEW

COURSE OVERVIEW:

The following is a representative list of Institute projects: Seminars, Tutorials/ additional classes for any course, Guest Lectures, Workshops, Provides knowledge to support student being sensitive design;

OBJECTIVES OF THE COURSE:

overall nurturing of the student with issues in practice and field outside

EXPECTED SKILLS / KNOWLEDGE TRANSFERRED:

better grooming than just books and theories.

COURSE CONTENTS:

The creative electives provide an opportunity to express talents which are different from architecture but related to imagination, visualization & creation. They offer hands-on experience of unique ingenuity & workmanship. The essence of creative domain can be achieved by exploring different materials, techniques, processes; developing creative products; finishing & presenting the product for the concepts evolved. The outcome will be through portfolio & presentations.

As Per Pool Electives Choices Stage I odd semester pool

GUIDELINES

One Major And Minortasks are to be set from the entire syllabus

The topic of the project is to be displayed on Institute Notice Board fifteen days in advance OF commencement of the classes

NOTE :

Evaluation is to be done through viva voce, Portfolios after the university exam shall be retained at the Institute level for the viva - voice

Chairperson
Board of Studies
Shri Vaishnav Vidyapeeth Vishwavidyalaya
Indore

Deputy Registrar
Shri Vaishnav Vidyapeeth Vishwavidyalaya
Indore