

छत्रपति शाहूजी महाराज विश्वविद्यालय, कानपुर

CHHATRAPATI SHAHU JI MAHARAJ UNIVERSITY, KANPUR



INSTITUTE OF FINE ARTS

Certificate Course in (Painting, Applied Art, Sculpture, Photography, Textile Design, Graphic Design, 3D Animation and 3D Modeling)

ORDINANCE AND REGULATIONS

1. The Certificate Course shall be under Faculty of Arts in the Department of Drawing & Painting of C.S.J.M. University, Kanpur; One Year Certificate Course in Painting, Applied Art, Sculpture, Photography, Textile Design, Graphic Design, 3D Animation & 3D Modeling shall be run only in the Institute of Fine Arts in the C.S.J.M. University (Campus), Kanpur. These one-year certificate courses shall be conducted on part time basis.
2. **AIMS AND OBJECTS**
 - (i) To encourage the study of the Painting, Plastic Art, Applied Art, Sculpture, Textile Design, Photography, Graphic Design, 3D Animation & 3D Modeling to train students to a high order.
 - (ii) To train and prepare students to be well versed in Theory and Practical.
 - (iii) Besides the part time regular courses there will be academic lectures, practical, demonstration, Exhibitions, and documentary film shows organized from time to time in furtherance of the objects of the Faculty.
3. The one-year vocational certificate course of Fine Arts in each specialization i.e., Painting, Applied Art, Sculpture, Textile Design, Photography, Graphic Design, 3D Animation & 3D Modeling shall be pursued in the Institute of Fine Arts.
4. The one-year certificate course of Fine Arts is part time course shall have extended over one academic year.
5. English/Hindi shall be the medium of instruction in the University Entrance Test (UET) as in the University Examination. The examination shall be after the end of each academic session as per the scheme of examination and the student shall be required to appear in every subject as specified in the course structure for each academic year.

6. ELIGIBILITY REQUIREMENTS FOR THE ONE YEAR CERTIFICATE COURSES:

- (a) Candidate who has passed High School or equivalent examination can be eligible for the one-year certificate course.
- (b) Admission is based on the merit or as per University Entrance Test (UET).
- (c) **PATTERN OF UET:** The pattern of UET shall be comprises of 100 multiple-choice questions of 2 hours duration carrying 100 marks.
- (d) **No. of Seats in Each Discipline:**

Painting	- 10
Applied Art	- 10
Sculpture	- 10
Textile Design	- 10
Photography	- 15
Graphic Design	- 15
3D Animation	- 15
3D Modeling	- 15

- 7. A Candidate who has less than 75% attendance in theory and practical will not be allowed to appear in the examination. However, The Vice-Chancellor, on the recommendation of Head/Coordinator of the Institute may condone shortage of attendance up to 15% on ground of ill health or some other equally genuine reasons.
- 8. Ordinarily 50% Paper Setters/Examiners shall be internal and 50% external.
- 9. Hindi/English shall be the medium for teaching and examination.
- 10. The classes of one-year certificate courses shall be run in the Institute of Fine Arts under the control of Director/Head of Institute of Fine Arts.
- 11. The examination of one-year certificate courses shall comprise of Theory, Practical and sessional.
- 12. Duration and maximum marks of written, practical papers and sessional as shall be prescribed in the syllabus on the recommendation of B.O.S. of Institute of Fine Arts.
- 13. (a) An applicant to one-year certificate course must attend classes from the beginning of the session.
(b) A student found to be continuously absents from the class for a period of one month without permission from the Director/Head of the Institute his/her name shall be struck of the roles automatically. However, in a special circumstance a student can request for fresh re-admission on the recommendation of Institute Director/Head with the submission of fee of Rs. 1000 /-.
- 14. The following category of students of one-year certificate courses shall be eligible to back paper facility according to University regulation.
- 15. **Tuition and other Fee:** As per University regulation from time to time.

16. Instruction for Practical Examination:

- (a) The examiner will evaluate the work of examinee on the last day of the examination and if the examiner did not turn up on the last day, the art work will be kept in sealed lock custody and as and when the examiner come as his/her convenient date can evaluate the practical paper.
 - (b) Board of internal examiner (Director/Head of Institute, concern subject teacher and one nominee form Director/Head) will evaluate the sessional.
- 17.** The examination for the certificate course shall be conducted by means of written papers, practical papers. Candidate who pass the examination shall be awarded as a certificate course:
- (a) The candidate having marks up to 50% **- C Grade.**
 - (b) The candidate having marks up to 70% **- B Grade.**
 - (c) The candidate having marks above 70% **- A Grade.**

Institute of Fine Arts
C.S.J.M. University, Kanpur
Scheme of Examinations Certificate Course in Painting
(w. e. f. the academic session 2021-22 onwards)

Examination: Certificate Course in Painting

Course Duration: One Year

Paper Code	Nomenclature of the Paper	Max. Mark			Time Allowed
		Examination (Theory/Practical)	Sessional	Total	
CC-P-101 (Theory)	Introductory History of Indian Painting	50	--	50	3 Hours
CC-P-102 (Practical)	Still Life	50	25	75	4 Hours
CC-P-103 (Practical)	Pictorial Composition	50	25	75	6 Hours
Total =200					

DETAILED SYLLABUS: THEORY

Institute of Fine Arts
C.S.J.M. University, Kanpur
Scheme of Examinations Certificate Course in Painting
(w. e. f. the academic session 2021-22 onwards)

CC-P-101: INTRODUCTORY HISTORY OF INDIAN PAINTING

Time Allowed: 3 Hours Max. Marks : Theory 50

Instructions:

- (i) No. of Questions to be set: 10 (02 Questions from each unit).
- (ii) No. of Questions to be attempted: 05. (01 Question from each unit).
- (iii) All Questions will be equal marks: 10 marks.

Course of Study

UNIT -I

- (a) Historical background of Pre-historic Indian Cave Paintings.
- (b) Art of Indus Valley Civilization.

UNIT-II

- (a) Fundamentals of Indian Art.
- (b) Shadang, Chitra Sutram & Chitra Lakshnam.

UNIT-III

- (a) Elements of Painting - Line, Form, Colour, Tone, Texture and Perspective (Space).
- (b) Importance of subject idea, feeling, imagination, expression, suggestion and symbolism.

UNIT-IV

- (a) Colour Theory- Meaning of colour, solar spectrum, colour charts, Knowledge of Primary colours, Secondary and Natural colours.
- (b) Knowledge of tools and mediums of painting.

UNIT-V

- (a) Principles of Composition – Space division, Balance, Harmony, Rhythm, Proportion, Contrast etc.
- (b) Importance of modern movement in India such as Bangal School and their important painters – Ravindra Nath Tagore, N.L. Bose, G.N. Tagore, Yamini Roy, Raja Ravi Verma.

DETAILED SYLLABUS: PRACTICAL**Institute of Fine Arts****C.S.J.M. University, Kanpur**

Scheme of Examinations Certificate Course in Painting
 (w. e. f. the academic session 2021-22 onwards)

CC-P-102: STILL LIFE

Time Allowed: 4 Hours

Max Marks:75 (Examination: 50& Sessional: 25)

Medium:Pencil, Water, Poster, Crayon Mix Media, Monochrome.

Minimum size:22"×14"

No. of Sessional:06 (3 pencil shading & 3 coloured)

Course of study:

Study in Pencil shading, objects of steel, brass, copper, porcelain, plastic and wood against the background of silk, texture – cotton, velvet and satin cloth.

CC-P-103: PICTORIAL COMPOSITION

Time Allowed: 6 Hours

Max Marks:75 (Examination: 50& Sessional: 25)

Medium: Water Colour/Poster Colour/Oil Colour/Acrylic Colour

Minimum size: 22"×14" (on paper/canvas)

No. of Sessional:05

Course of study:

- (a) Copy from old master's miniature paintings (Mughal, Rajasthan and Pahari School).
- (b) Use of figures (Human, Animals and Birds), trees and architecture in composition and understanding of pictorial space.
- (c) Composition based on semi abstract form.

Institute of Fine Arts
C.S.J.M. University, Kanpur
 Scheme of Examinations Certificate Course in Applied Art
 (w. e. f. the academic session 2021-22 onwards)

Examination: Certificate Course in Applied Art

Course Duration: One Year

Paper Code	Nomenclature of the Paper	Max. Mark			Time Allowed
		Examination (Theory/Practical)	Sessional	Total	
CC-A-101 (Theory)	Material & Method	50	--	50	3 Hours
CC-A-102 (Practical)	Illustration	50	25	75	6 Hours
CC-A-103 (Practical)	Campaign Planning	50	25	75	3 Hours
Total =		200			

DETAILED SYLLABUS: THEORY

Institute of Fine Art
C.S.J.M. University, Kanpur
 Scheme of Examinations Certificate Course in Applied Art
 (w. e. f. the academic session 2021-22 onwards)

CC-A-101: MATERIAL & METHOD

Time Allowed: 3 Hours Max. Marks : Theory 50

Instructions:

- (i) No. of Questions to be set: 10 (02 Questions from each unit).
- (ii) No. of Questions to be attempted: 05. (01 Question from each unit).
- (iii) All Questions will be equal marks: 10 marks.

Course of Study

UNIT –I

- (a) Introduction to History of Advertising.
- (b) Technical Theory of Applied Art.

UNIT-II

- (a) Definition, types and classification of Advertising.
- (b) Elements of design, principles of design, Principles of Poster Designing.

UNIT-III

- (a) Introduction to Illustration.
- (b) Types of Illustration.

UNIT-IV

- (a) Knowledge of Printing method, proof reading marks, Paper and its International sizes.
- (b) Knowledge of campaign planning.

UNIT-V

- (a) Basic knowledge of Logo designing.
- (b) Basic knowledge of Product Designing.

DETAILED SYLLABUS: PRACTICAL**Institute of Fine Art****C.S.J.M. University, Kanpur****Scheme of Examinations Certificate Course in Applied Art****(w. e. f. the academic session 2021-22 onwards)****CC-A-102: ILLUSTRATION**

Time Allowed: 6 Hours

Max Marks: 75 (Examination: 50 & Sessional: 25)**Medium:** WaterColour, PosterColour, Pen & Ink.**Minimum size:**A3**No. of Sessional:**06 (3 manual & 3 digital)**Course of study:**

Story based illustration exercise on stories, poems & myths in different media for kids' books.

CC-A-103: CAMPAIGN PLANNING

Time Allowed: 3 Hours

Max Marks:75 (Examination: 50& Sessional: 25)**Medium:**Digital & Manual**Minimum size:**As per requirement**No. of Sessional:**01 (minimum 10 designs of different medium)**Course of study:**

Introduction to advertising campaigns, use of appeals, knowledge of the principles and stages in designing campaigns.

Institute of Fine Arts
C.S.J.M. University, Kanpur
Scheme of Examinations Certificate Course in Sculpture
(w. e. f. the academic session 2021-22 onwards)

Examination: Certificate Course in Sculpture
(Specialization in Papier Mache, Terracotta and Ceramic)
Course Duration: One Year

Paper Code	Nomenclature of the Paper	Max. Mark			Time Allowed
		Examination (Theory/Practical)	Sessional	Total	
CC-S-101 (Theory)	Material & Method	50	--	50	3 Hours
CC-S-102 (Practical)	Relief Mural & Sculpture	50	25	75	6 Hours
CC-S-103 (Practical)	Decorative Craft work	50	25	75	6 Hours
Total =		200			

DETAILED SYLLABUS: THEORY

Institute of Fine Arts
C.S.J.M. University, Kanpur
Scheme of Examinations Certificate Course in Sculpture
(w. e. f. the academic session 2021-22 onwards)

CC-S-101: MATERIAL & METHOD

Time Allowed: 3 Hours Max. Marks : Theory 50

Instructions:

- (i) No. of Questions to be set: 10 (02 Questions from each unit).
- (ii) No. of Questions to be attempted: 05. (01 Question from each unit).
- (iii) All Questions will be equal marks: 10 marks.

Course of Study

UNIT –I

- (a) Historical background of Sculpture, Papier Mache and Terracotta.
- (b) Comparative study of Indian Sculpture with reference to Ancient Egypt, Middle and Far East and Europe.

UNIT-II

- (a) Origin and Development of Sculpture, Papier Mache and Terracotta in India.
- (b) Tools and Techniques.

UNIT-III

- (a) Characteristics of Papier Mache of Kashmir, Rajasthan & Madhya Pradesh.
- (b) Characteristics of Terracotta Art of Indus Valley Civilization.
- (c) Characteristics of Ceramic (Black Pottery) work.

UNIT-IV

- (a) Elements of Papier Mache.
- (b) Elements of Terracotta.
- (c) Elements of Ceramic.

UNIT-V

- (a) Subodh Gupta, K.G. Subramanyam, Satish Gujral, Himmat Shah.
- (b) Kripal Singh Sekhawat, P.R. Daroz, Jyotshana Bhatta.

DETAILED SYLLABUS: PRACTICAL**Institute of Fine Arts****C.S.J.M. University, Kanpur**

Scheme of Examinations Certificate Course in Sculpture
(w. e. f. the academic session 2021-22 onwards)

CC-S-102: RELIEF MURAL & SCULPTURE

Time Allowed: 6 Hours

Max Marks: 75 (Examination: 50 & Sessional: 25)

Medium: Papier Mache/Terracotta/Fiber/Cement & Concrete and POP.

Minimum size: 12"×12" or 18"×24"

No. of Sessional: 06

Course of study:

- (a) Making of Masks.
- (b) Composition of Animal and Human Figures.
- (c) Study of Indian FolkToys and Decorative Objects.

CC-S-103: DECORATIVE CRAFT WORK

Time Allowed: 6 Hours

Max Marks: 75 (Examination: 50 & Sessional: 25)

Medium: Papier Mache/Terracotta/Ceramic/Mix Media (Student can choose any one medium).

Minimum size: As required.

No. of Sessional: 06

Course of study:

Production of Religious Idols, Flower Pot, Soap Case, Pen Stand, Night Lamp, Wall Hanging, Candle Stand, Tea/Coffee Mug, Fountain, Mask, Animals, Birds, Human Figure with manipulation of floral, geometrical and creative design, etc.

Institute of Fine Arts
C.S.J.M. University, Kanpur
Scheme of Examinations Certificate Course in Photography
(w. e. f. the academic session 2021-22 onwards)

Examination: Certificate Course in Photography
Course Duration: One Year

Paper Code	Nomenclature of the Paper	Max. Mark			Time Allowed
		Examination (Theory/Practical)	Sessional	Total	
CC-PH-101 (Theory)	Photographic Optics & Equipments	50	--	50	3 Hours
CC-PH-102 (Practical)	Indoor Photography	50	25	75	3 Hours
CC-PH-103 (Practical)	Outdoor Photography	50	25	75	4 Hours
Total =		200			

DETAILED SYLLABUS: THEORY

Institute of Fine Arts
C.S.J.M. University, Kanpur
Scheme of Examinations Certificate Course in Photography
(w. e. f. the academic session 2021-22 onwards)

CC-PH-101: PHOTOGRAPHIC OPTICS & EQUIPMENTS

Time Allowed: 3 Hours Max. Marks : Theory 50

Instructions:

- (i) No. of Questions to be set: 10 (02 Questions from each unit).
- (ii) No. of Questions to be attempted: 05. (01 Question from each unit).
- (iii) All Questions will be equal marks: 10 marks.

Course of Study

UNIT -I

- (a) History of Photography.
- (b) Photography Optics: (i) Reflection and refraction of light, dispersion of light through a glass prism, lenses, different kinds of image formation, principal focus and focal length, size of the image, speed and power of the lens, depth of field, angle of view and perspective.
- (ii) Aperture of diaphragm, its function, f-notation, different kinds of aperture and their construction, dependence of depth of field and focus on distance and f-number.

UNIT-II

- (a) Types of Camera and Lenses (Optics)
- (b) Techniques of Photography.

UNIT-III

(a) Types of Enlarger.

(b) Knowledge of Exposure, filter, Photographic light etc.

UNIT-IV

(a) Principles of Composition.

(b) Basic knowledge of layout, darkroom and equipments.

UNIT-V

(a) Type of Photography.

(b) Introduction of Eminent Photographers (Raghu Rai, Daboo Ratnani, DayanitaSingh, SudhirShivaram, O.P. Sharma).

DETAILED SYLLABUS: PRACTICAL**Institute of Fine Arts****C.S.J.M. University, Kanpur****Scheme of Examinations Certificate Course in Photography**

(w. e. f. the academic session 2021-22 onwards)

CC-PH-102: INDOOR PHOTOGRAPHY

Time Allowed: 3 Hours

Max Marks: 75 (Examination: 50 & Sessional: 25)

Medium:Digital.

Minimum size: 12"×18"

No. of Sessional:10

Course of study:

Study of Portrait Photography, Model Shoot, Still-Life, Low-key & High-key Photography, Product with manipulation of tricks and lighting effects.

CC-PH-103: OUTDOOR PHOTOGRAPHY

Time Allowed: 4 Hours

Max Marks:75 (Examination: 50& Sessional: 25)

Medium:Digital

Minimum size: 12"×18"

No. of Sessional:10

Course of study:

Study of various Photography, i.e. Architecture, Street-view, Wildlife, Nature, Sport, Landscape and cultural and religious events.

Institute of Fine Arts
C.S.J.M. University, Kanpur
 Scheme of Examinations Certificate Course in Textile Design
 (w. e. f. the academic session 2021-22 onwards)

Examination: Certificate Course in Textile Design
Course Duration: One Year

Paper Code	Nomenclature of the Paper	Max. Mark			Time Allowed
		Examination (Theory/Practical)	Sessional	Total	
CC-TD-101 (Theory)	Technical Theory of Textile	50	--	50	3 Hours
CC-TD-102 (Practical)	Textile Design	50	25	75	6 Hours
CC-TD-103 (Practical)	Embroidery	50	25	75	6 Hours
Total =		200			

DETAILED SYLLABUS: THEORY

Institute of Fine Arts
C.S.J.M. University, Kanpur
 Scheme of Examinations Certificate Course in Textile Design
 (w. e. f. the academic session 2021-22 onwards)

CC-TD-101: TECHNICAL THEORY OF TEXTILE

Time Allowed: 3 Hours Max. Marks : Theory 50

Instructions:

- (i) No. of Questions to be set: 10 (02 Questions from each unit).
- (ii) No. of Questions to be attempted: 05. (01 Question from each unit).
- (iii) All Questions will be equal marks: 10 marks.

Course of Study

UNIT -I

- (a) Elements of Art: Line, Form, Tone, Colour, Texture and Space.
- (b) Principles of Composition (Unity, Harmony, Rhythm, Balance, Proportion and Dominance)

UNIT-II

- (a) Fundamentals of textile design (Weaving, Printing and Dyeing)
- (b) Nature based design, Traditional Designs, Geometrical Designs

UNIT-III

- (a) Types of Looms, Part of Looms.
- (b) Functions of Looms.

UNIT-IV

- (a) Fabrics (Properties of Fabrics, Like Cotton, Silk, Nylon).
- (b) Introduction to methods of printing, Types of printing.

UNIT-V

- (a) Introduction to the Indian Embroidery.
- (b) Introduction to the Brocaded Textile of India.

DETAILED SYLLABUS: PRACTICAL**Institute of Fine Arts****C.S.J.M. University, Kanpur**

Scheme of Examinations Certificate Course in Textile Design
 (w. e. f. the academic session 2021-22 onwards)

CC-TD-102: TEXTILE DESIGN

Time Allowed: 6 Hours

Max Marks: 75 (Examination: 50 & Sessional: 25)**Medium:** WaterColour, PosterColour,**Minimum size:** 11"×14"**No. of Sessional:**05**Course of study:**

Design on paper (traditional design, nature-based design, geometrical design, motifs repeat and design, concept, setting of repeats, check, stripe effect and floral design).

CC-TD-103: EMBROIDERY

Time Allowed: 6 Hours

Max Marks:75 (Examination: 50& Sessional: 25)**Medium:**Cotton Thread, Silk Thread.**Minimum size:** 11"×14" (on cloth)**No. of Sessional:**05**Course of study:**

Basic Embroidery, Chikankari, Phulkari, Kantha (Embroidery work on blouse piece, table cover, cushion cover, bed sheet).

Institute of Fine Arts
C.S.J.M. University, Kanpur
Scheme of Examinations Certificate Course in Graphic Design
(w. e. f. the academic session 2021-22 onwards)

Examination: Certificate Course in Graphic Design
Course Duration: One Year

Paper Code	Nomenclature of the Paper	Max. Mark			Time Allowed
		Examination (Theory/Practical)	Sessional	Total	
CC-GD-101 (Theory)	Material & Method	50	--	50	3 Hours
CC-GD-102 (Practical)	Poster Design	50	25	75	6 Hours
CC-GD-103 (Practical)	Press Layout	50	25	75	6 Hours
Total =		200			

DETAILED SYLLABUS: THEORY

Institute of Fine Arts
C.S.J.M. University, Kanpur
Scheme of Examinations Certificate Course in Graphic Design
(w. e. f. the academic session 2021-22 onwards)

CC-GD-101: MATERIAL & METHOD

Time Allowed: 3 Hours Max. Marks : Theory 50

Instructions:

- (i) No. of Questions to be set: 10 (02 Questions from each unit).
- (ii) No. of Questions to be attempted: 05. (01 Question from each unit).
- (iii) All Questions will be equal marks: 10 marks.

Course of Study

UNIT -I

- (a) Element of Design.
- (b) Principle of Design.

UNIT-II

- (a) Brief history of communication.
- (b) Knowledge of concept and vocabulary of design.

UNIT-III

- (a) Knowledge of various type of paper & their sizes, gutter space, spine, creasing, perfecting
- (b) Knowledge of Adobe illustrator, Corel Draw and Photoshop.

UNIT-IV

(a) Colour Theory- Meaning of colour, solar spectrum, colour charts, Primary colours, Secondary, Neutral colours, Complimentary color, Analogues color etc.

(b) Principle of colour for a design.

UNIT-V

(a) Origin of Typography

(b) Terminology in Typography (leading, kerning, tracking etc.)

DETAILED SYLLABUS: PRACTICAL

Institute of Fine Arts

C.S.J.M. University, Kanpur

Scheme of Examinations Certificate Course in Graphic Design

(w. e. f. the academic session 2021-22 onwards)

CC-GD-102: POSTER DESIGN

Time Allowed: 6 Hours

Max Marks: 75 (Examination: 50 & Sessional: 25)

Medium: Poster Colour/Digital.

Minimum size: 14"×22"

No. of Sessional: 05 (2 manual & 3 digital)

Course of study:

Introduction to history of Poster, different influences on Poster designing. Exercise to make different types of Posters.

CC-GD-103: PRESS LAYOUT

Time Allowed: 6 Hours

Max Marks: 75 (Examination: 50 & Sessional: 25)

Medium: Poster Colour/Digital.

Minimum size: 100 cc

No. of Sessional: 05 (2 manual & 3 digital)

Course of study:

Study of fundamental elements of layout and their practical application, preparation of simple typographical layouts for News Papers & Magazine.

Institute of Fine Arts
C.S.J.M. University, Kanpur
Scheme of Examinations Certificate Course in 3D Animation
(w. e. f. the academic session 2021-22 onwards)

Examination: Certificate Course in 3D Animation
Course Duration: One Year

Paper Code	Nomenclature of the Paper	Max. Mark			Time Allowed
		Examination (Theory/Practical)	Sessional	Total	
CC-3DA-101 (Theory)	Fundamentals of 3D Animation	50	--	50	3 Hours
CC-3DA-102 (Practical)	3D Animation	50	25	75	6 Hours
CC-3DA-103 (Practical)	Final Rendering & Compositing	50	25	75	6 Hours
Total =		200			

DETAILED SYLLABUS: THEORY

Institute of Fine Arts
C.S.J.M. University, Kanpur
Scheme of Examinations Certificate Course in 3D Animation
(w. e. f. the academic session 2021-22 onwards)

CC-3DA-101: FUNDAMENTALS OF 3D ANIMATION

Time Allowed: 3 Hours Max. Marks : Theory 50

Instructions:

- (i) No. of Questions to be set: 10 (02 Questions from each unit).
- (ii) No. of Questions to be attempted: 05. (01 Question from each unit).
- (iii) All Questions will be equal marks: 10 marks.

Course of Study:

UNIT -I

- (a) Fundamental of perspective and basic shapes.
- (b) Anatomy Study.

UNIT-II

- (a) StoryBoarding & Principles of Animation.
- (b) 3D Basics – Animation.

UNIT-III

- (a) Tools of Digital Animation.
- (b) Terms of Lighting, Texturing & Scene Setup.

UNIT-IV

- (a) Layout of Rigging & Movement.
- (b) Concept of Camera tools on Digital workspace.

UNIT-V

- (a) Concepts of effects, simulation and compositing.
- (b) Knowledge of Final rendering output.

DETAILED SYLLABUS: PRACTICAL**Institute of Fine Arts****C.S.J.M. University, Kanpur****Scheme of Examinations Certificate Course in 3D Animation****(w. e. f. the academic session 2021-22 onwards)****CC-3DA-102: 3D ANIMATION**

Time Allowed: 6 Hours

Max Marks: 75 (Examination: 50 & Sessional: 25)**Medium:** 3D MAX, Maya, Mud box/Z Brush.**Minimum size:** 12"×12" & 14"×14"**No. of Sessional:** 06**Course of study:**

- (a) Studying the Anatomy, Concepts of Character Animation.
- (b) Creating Storyboards, 3D basics – Animation.
- (c) Using the tools of Digital Animation.
- (d) Application of Lighting, Texturing and scene setup.
- (e) Rigging and movements.

CC-3DA-103: FINAL RENDERING & COMPOSITING

Time Allowed: 6 Hours

Max Marks: 75 (Examination: 50 & Sessional: 25)**Medium:** 3D MAX & MAYA, AFTER EFFECT**Minimum size:** Digital Media (CD, DVD etc.)**No. of Sessional:** 05**Course of study:**

- (a) Camera Tracking, Effects and Simulation.
- (b) Compositing.
- (c) Creating Final rendering output.

Institute of Fine Arts
C.S.J.M. University, Kanpur
Scheme of Examinations Certificate Course in 3D Modeling
(w. e. f. the academic session 2021-22 onwards)

Examination: Certificate Course in 3D Modeling
Course Duration: One Year

Paper Code	Nomenclature of the Paper	Max. Mark			Time Allowed
		Examination (Theory/Practical)	Sessional	Total	
CC-3DM-101 (Theory)	Fundamentals of 3D modeling and Printing	50	--	50	3 Hours
CC-3DM-102 (Practical)	3D Modeling (Manual)	50	25	75	6 Hours
CC-3DM-103 (Practical)	3D Modeling Digital Plate form & 3D Printing	50	25	75	6 Hours
Total =		200			

DETAILED SYLLABUS: THEORY

Institute of Fine Arts
C.S.J.M. University, Kanpur
Scheme of Examinations Certificate Course in 3D Modeling
(w. e. f. the academic session 2021-22 onwards)

CC-3DM-101: FUNDAMENTALS OF 3D MODELING AND PRINTING
Time Allowed: 3 Hours Max. Marks : Theory 50

Instructions:

- (i) No. of Questions to be set: 10 (02 Questions from each unit).
- (ii) No. of Questions to be attempted: 05. (01 Question from each unit).
- (iii) All Questions will be equal marks: 10 marks.

Course of Study

UNIT -I

- (a) Fundamental of perspective and basic shapes
- (b) Concepts of spatial and axial studies.

UNIT-II

- (a) Anatomy Study
- (b) Character Design

UNIT-III

- (a) 3D basics – Modeling.
- (b) Knowing of Digital tools modeling and sculpting.

UNIT-IV

- (a) Layout of Texturing.
- (b) Knowledge of Final rendering output.

UNIT-V

- (a) Industrial Application of 3D Printing and its Commercial use.
- (b) Terms used in 3D Printing.

DETAILED SYLLABUS: PRACTICAL**Institute of Fine Arts****C.S.J.M. University, Kanpur**

Scheme of Examinations Certificate Course in 3D Modeling
(w. e. f. the academic session 2021-22 onwards)

CC-3DM-102: 3D MODELING (MANUAL)

Time Allowed: 6 Hours

Max Marks: 75 (Examination: 50 & Sessional: 25)

Medium: Clay, POP, Polymer clay, Wax etc.

Minimum size: 12"×12"×12" or 18×24

No. of Sessional: 03 (Clay, Polymer Clay & Wax)

Course of study:

- (a) Study in Pencil shading and use of clay.
- (b) Clay Modeling, Casting & Texturing.

CC-3DM-103: 3D MODELING DIGITAL PLATFORM & 3D PRINTING

Time Allowed: 6 Hours

Max Marks: 75 (Examination: 50 & Sessional: 25)

Medium: Digital Platform (3D Max), Mudbox

Minimum size: 12"×12" & 16"×16"×16"

No. of Sessional: 06

Course of study:

- (a) Using the tools of Digital modeling and sculpting.
- (b) Application of Lighting and scene setup.
- (c) Using Layout of Texturing.
- (d) Creating Final Rendering output.
- (e) Application of 3D Printing.

SUGGESTED BOOKS FOR READING:

PAINTING AND INTERDISCIPLINARY

1. Razanl, Modern Paining, Skira – Useful references from plates and text.
2. Lake and Maillard – Dictionary of Modern Painting.
3. Herbert Read – A concise History of Modern Paining.
4. William Vaughan – Romantic Art.
5. European Modern Movements in Encyclopedia of World Art.
6. Leymarie – Impressionism (Skira).
7. J. Rewald – History of impressionism – Museum of Modern Art, New York.
8. J. Rewald – Post Impressionism (Both these books are indispensable for the respective periods).
9. Roger Fry – Vision and Design.
10. Madsen – Art Nouveau.
11. Deymatie: Fauvism (good introduction also in Encyclopedia of World Art.)
12. Crespelle – The Fauves.
13. Hamilton – Painting & Sculpture in Europe – 1880-1940.
14. Pevsnor – Pioneers of Modern Design, 1965.
15. Zigrosser – Expressionism – A Survey of their Graphic Work, 1957.
16. Seitz – The Responsive Eye, 1965.
17. Myers – Median Painting in our time – 1956.
18. Gray – The Great Experiment: Russian Art – 1863-1922, 1962.
19. Rose Barbara – American Painting since 1900, 1967.
20. Goodrich and Baur – American Art of the Twentieth Century, 1962.
21. Roseberg – The Tradition of the New, 1959.
22. Steinberg Leo – Other Criteria.
23. Arnason- History of Modern Art.
24. Ronald Templin- The Art
25. John A. Walker- Art Since Pop
26. Herbert Read: (i) Modern Sculpture.
27. Herbert Read: (ii) Art of Sculpture.
28. GiedionWelcker: Contemporary Sculpture.
29. Sculpture of the 19th – 20th Centuries.
30. Burnham – Beyond Modern Sculpture.
31. Nean Seitz – Modern Sculpture, Evolution.
32. Kulterman – The New Sculpture.
33. Maillard – Dictionary of Modern Sculpture.
34. Scuphot: Sculpture of 20th Century.
35. Studies in Modern Indian Art – RatanParimoo
36. Moving Focus – K.G. Subrahmanyam
37. Pictorial Space – GeetaKapur
38. Modern Indian Art – Keshav Malik
39. Lalit Kala Contemporary
40. Lalit Kala Monographs
41. Contemporary Art in India: P.N. Mago
42. Contemporary Art – The Flamed Mosaic by NavielTuli
43. Contemporary Indian Art- GaytriSinha
44. Handbook of Indian Art- Sunil Khosa
45. Company Painting- Mildred Archer
46. Art of India- Fredrick M. Asher
47. Indian Painting for The British 1770-1880- Mildred Archer, W.G. Archer
48. Indian Miniatures in The India Office Library- Mildred Archer, Toby Falk
49. Contemporary Indian Art- Other realities- YashodharaDalmia
50. The Making of Modern Indian Art- The Progressives-YashodharaDalmia
51. Memory, Metaphor, Mutarions- YashodharaDalmia
52. Arts of India 1550-1900- John Guy, Deborah Swallow
53. A Portrait of the Hindus- Robert Hardgrave
54. Essays on contemporary practice in India- GeetaKapoor
55. New Narratives- Betty Seid

56. Triumph of Modernism- ParthaMitter
57. Flamed Mosaic- Neville Tuli
58. Kala Chitrkala- VinodBhardwaj
59. Char Chitrkaar- Ashok Mitr
60. Samkalin Kala- Dr. Ramviranjan
61. ChitrkalakaRasaswadan- RamchandrShukl
62. Lalit Kala Ki Dhara- Asit Kumar Halder
63. BhrtiyaChitrkala- VachaspatiGarola
64. BrihadAdhunik Kala Kosh- VinodBhardwaj
65. Post-Modernism OR The culture logic of late capitalism – Fedric Jansen
66. Visual Culture – Chris Genks
67. कलाइतिहासभारतीय औरपाश्चात्य –रामचन्द्रनारायण पाटकर
68. कलाविलास-भारतीय चित्रकलाकाविकास- आर० ए० अग्रवाल
69. भारत की चित्रकलाकासंक्षिप्तइतिहास- डॉ० लोकेशचन्द्र शर्मा
70. भारतीय चित्रकला एवंआधुनिकसन्दर्भ- डॉ० बृजेशस्वरूपकटियार

APPLIED ART

1. Contemporary Advertising: William F.Arens, Tata McGraw Hills.New Delhi .
2. Foundations of advertising: S.A.Chunnawalla, K.C Sethia.
3. Advertising and sales promotion: S.H.H.Kazmi, Satish Batra.
4. Social Dimension of advertising: S.S kaptan.
5. Advertising theory and practice: C.H Sandage, Vernon Fryburger.
6. Advertising and Promotion AN IMC Approach,Shimp Cengage Learning India Pvt. Ltd., New Delhi.
7. मालवीय, कृष्ण कुमार, आधुनिकविज्ञापन, साहित्य संगमप्रकाशन, इलाहाबाद, 2007.
8. फोटोग्राफी, तकनीक एवंप्रयोग: नरेन्द्र यादव
9. विज्ञापन 'तकनीक एवंसिद्धान्त' : नरेन्द्र यादव
10. विज्ञापनडिजाईन : नरेन्द्र यादव
11. विज्ञापनकला: एकेश्वरप्रसादहटवाल
12. विज्ञापन : अशोकमहाजन
13. प्रेमचन्द्रपांतजलिआधुनिकविज्ञापन, वाणी प्रकाशन, नईदिल्ली 2008.
14. कुमुद शर्माविज्ञापन की दुनिया, प्रभातप्रकाशन, प्रतिभाप्रतिष्ठान, नईदिल्ली

SCULPTURE

1. Masterpieces of Indian Bronze& Metal sculpture Rustam J. Mehta
2. Sculpting in steel and other metals- Arthur Zaidenberg
3. Modeling a figure in clay –Albert Pounteney
4. Principles of metal casting – Richard W. Heine &Philip C. Rosenthal
5. Manual of Direct Metal Sculpture – Thames and Hudson
6. Sculpture of primitive man – Warner Muensterberger
7. George Segal – Sem hunter/Don howthorne
8. Early Chola Bronze – Douglas Barrett
9. Contemporary Stone Sculpture – DonazMeilach
10. Marino Marini – A.M. Hammacher
11. BirbhumTerracottas – Lalit kala Academy
12. Terracottas of Bengal – S.S. Biswas
13. Masterpieces of Indian Terracottas – M.K. Dhavalikar
14. Sculpture in plastic arts – Nicholas Roukas
15. Modern Sculpture – Herbert Read
16. The complete sculpture of Barbara Hepworth – Alan
17. Masterpieces of Western Sculpture – Howard Hibbard
18. Calder – H.H.Arnason
19. Masterpieces of Indian Bronze& Metal sculpture Rustam J. Mehta
20. Sculpting in steel and other metals- Arthur Zaidenberg
21. Modeling a figure in clay –Albert Pounteney
22. Principles of metal casting – Richard W. Heine &Philip C. Rosenthal
23. Manual of Direct Metal Sculpture – Thames and Hudson
24. Sculpture of primitive man – Warner Muensterberger
25. George Segal – Sem hunter/Don howthorne
26. Early Chola Bronze – Douglas Barrett

27. Contemporary Stone Sculpture – Donaz
28. भारतीय चित्रकला एवं मूर्तिकला का इतिहास– डॉ० रीता प्रताप

3D MODELING

1. 3D Printing of Dummies Second Edition – Kalani Kirk Hausman, Richard Horne.
2. Beginner's Guides to Creative Models in 3Ds Max – Raavi O' Connor.
3. Vectors and Matrices for Geometric and 3D Modelling – Michael Mortenson.
4. Recent Advances in 3D Imaging, Modeling, and Reconstruction- Athanasios Voulodimos, Anastasios Doulamis.
5. 3D Printing: The Ultimate 3D Printing Guide – Clarence T. Rivers.
6. Exploring 3D Modeling with 3ds max 7- Steven Till, Jim O'Connell.
7. Geometric Transformations for 3D Modeling- Michael Mortenson.
8. Force: Dynamic Life Drawing (10th Edition).
9. Beginner's guide to Z Brush
10. 3D Modeling Design – David Xu.
11. Introducing Mudbox – Ara Kermanikian.
12. Digital Sculpting with Mudbox- Elsevier.

3D ANIMATION

1. The Animator's Survival Kit 2nd Edition – Richards Williams.
2. Cracking Animation: The Ardman Book of 3-D Animation – Peter Lord.
3. Exploring 3D Modeling with Maya 6- Patricia Beckmann, Scott Wells.
4. Cartoon Animation – Preston Blair.
5. Animation Development from pitch to production – David B. Levy.
6. Animation for Beginners – Liss Lee.
7. Adobe After Effects CC Basics and Advanced Motion Graphics- Marks Myers.
8. The Art and Science of Digital Compositing – Ron Brinkmann.
9. 3D Animation for the Raw Beginner Using Maya – Roger King.
10. Beginner's Guide to Animation – Mary Murphy.

TEXTILE BOOK

1. The textile book – Colin gale and Jasbir Kaur
2. Structure and Mechanics of textile fiber Assemblies Edited –by Peter Schwartz
3. Fundamental of Natural Fibers and Textiles –Edited by Md. Ibrahim H.Mondas
4. The Art of Textile Designing – Bhatia Jaspal Singh
5. Woven Textile Principles, Technologies and Applications– Edited by Kim Gandhi
6. Traditional Indian, Handcrafted Textiles – Anjali Karolia
7. परम्परागत भारतीय वस्त्र –डॉ. के. एन. श्रीवास्तव
8. वस्त्र एवं परिधान निर्माण के मूलधार–डॉ. संगीता सक्सेना
9. भारतीय वस्त्र कला–डॉ. मीनक्षी गुप्ता

PANEL FOR PAPER SETTER & INTERNAL EXAMINERS:

1. Dr. BrijeshSwaroopKatiyar
2. Dr. Prahlad Singh

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15. Dr. KumudBala, D.A.V. College, Kanpur.
16. Dr. SarikaBala, A.N.D. College, Kanpur.

APPLIED ART, PHOTOGRAPHY, GRAPHIC DESIGN& 3D ANIMATION

1. Prof. Anjali S. Agrawal, Govt. College of Arts, Chandigarh.
2. Dr. Jay Shankar Mishra, M.G.C.G. University, Chitrakoot.
3. Dr. AbhayVerma, M.G.C.G. University, Chitrakoot.
4. Dr. SuneelSaxena (Ex. Principal), Govt. P.G. Degree College, Allahabad.
5. Dr. AbhayDwivedi (Ex. Head), D.A.V. P.G. College, Kanpur.
6. Mr. Shashank Shukla, Delhi College of Arts, Delhi.
7. Mrs. ShivanshiBhushan, Dr. Shakuntala Mishra, University, Lucknow.

SCULPTURE& 3D MODELING

1. Mr. Lal JeetAhir, College of Arts, Lucknow University.
2. Mr. Dharmendra Kumar Singh, College of Arts, Lucknow University.
3. Dr. Shubham Shiva, D.G.P.G. College, Kanpur.
4. Dr. Rakesh Kumar, Mahatma Gandhi ChitrakootGramodaya University, Chitrakoot.