

ART

Art and Technology

- I. ART FUNDAMENTALS 20%
- A. Introduction to Art History
1. Methods and Inquiries of Art History
 - a. The Nature of Art Historical Inquiry
 - b. Sources, Documents, and the Work of Art Historians
 - c. The Development of Art History
 2. Brief Overview of Art in the Western World
 - a. Ancient Civilizations
 - b. Greek and Roman Art
 - c. Early Christian and Medieval Art
 - d. The Renaissance and Baroque
 - e. Rococo, Neoclassicism, and Romanticism
 - f. Realism and Impressionism
 - g. Post-Impressionism and Other Late Nineteenth-Century Developments
 - h. The Emergence of Modernism
 - i. Abstraction
 - j. Pop Art, Minimalism, and Photo Realism
 - k. Earthworks, Installations, and Performance
 3. Brief Overview of Non-Western Art
 - a. Asian Art
 - b. African and Oceanic Art
 - c. Islamic Art
 - d. The Americas
- B. Elements of Art
1. Formal Qualities of Art
 - a. Line
 - b. Shape and Form
 - c. Perspective
 - d. Color
 - e. Texture
 - f. Composition
 2. Processes and Techniques
 - a. Drawing
 - b. Printmaking
 - c. Painting
 - d. Photography
 - e. Sculpture
 - f. Mixed Media
 - g. Performance
 - h. Craft and Folk Art
 - i. Architecture

- II. PREMODERN ADVANCES IN TECHNOLOGY 15%
- A. Concrete in Ancient Rome
 - 1. The Concrete Revolution
 - 2. SELECTED WORK: THE PANTHEON, ROME, 126–128 CE
 - B. The Art of Memorialization in Ancient Egypt
 - 1. SELECTED WORK: MUMMY WITH AN INSERTED PANEL PORTRAIT OF A YOUTH, EGYPT, ROMAN PERIOD, 80–100 CE
 - C. Stained Glass in Gothic Architecture
 - 1. Lux Nova
 - 2. SELECTED WORK: SOUTH ROSE WINDOW OF CHARTRES CATHEDRAL, FRANCE, 1221–30
 - D. Chinese Ceramics and the Kiln
 - 1. Blue-and-White Porcelain
 - 2. SELECTED WORK: *JAR WITH DRAGON*, CHINA, EARLY FIFTEENTH CENTURY
- III. ART, TECHNOLOGY, AND THE ADVENT OF GLOBAL TRADE 20%
- A. The Compass and the Full-Rigged Ship Forge a New World
 - B. Gutenberg’s Printing Press
 - C. Printmaking
 - 1. SELECTED WORK: *MELENCOLIA I*, ALBRECHT DÜRER, 1514
 - D. The Invention of Linear Perspective
 - 1. SELECTED WORK: *THE ANNUNCIATION*, FRA FILIPPO LIPPI, c. 1450–53
 - E. Filippo Brunelleschi’s Dome and Renaissance Architecture
 - F. The Advent of Oil Paint and Canvas
 - 1. SELECTED WORK: *JUDITH AND HER MAIDSERVANT WITH THE HEAD OF HOLOFERNES*, ARTEMISIA GENTILESCHI, c. 1623–25
 - G. The Invention of Cristallo Glass
 - 1. SELECTED WORK: THE BEHAIM BEAKER, PROBABLY 1495
 - H. The Benin Bronzes: Lost-Wax Casting in an African Kingdom
 - 1. African Lost-Wax Casting
 - 2. SELECTED WORK: BENIN PLAQUE WITH OBA, EDO ETHNIC GROUP, SIXTEENTH TO SEVENTEENTH CENTURIES
 - 3. The Benin Bronzes Today
- IV. SCIENTIFIC INNOVATIONS IN PAINT 10%
- A. Prussian Blue: The First Modern Pigment
 - 1. SELECTED WORK: *SELF PORTRAIT IN A STRAW HAT*, MARIE-LOUISE-ELISABETH VIGÉE-LEBRUN, 1782
 - B. Mass-Produced Tube Paint and the Impressionists
 - 1. SELECTED WORK: *THE BRIDGE AT ARGENTEUIL*, CLAUDE MONET, 1874
- V. THE ADVENT OF PHOTOGRAPHY 15%
- A. The Camera Obscura
 - B. Early Experiments in Fixing an Image
 - 1. SELECTED WORK: *VIEW FROM THE WINDOW AT LE GRAS*, NICÉPHORE NIÉPCE, 1827

C. The Daguerreotype

1. SELECTED WORK: *FREDERICK DOUGLASS* c. 1855

D. Photographic Portraiture: Democratization and Control

E. Precisionism: Picturing Modern Architecture

1. SELECTED WORK: *PENN STATION, INTERIOR*, BERENICE ABBOTT, c. 1935–38

VI. THE MACHINE AS ART AND ARTIST 20%

A. The Physiognotrace

1. SELECTED WORK: *MOSES WILLIAMS*, RAPHAELLE PEALE AND MOSES WILLIAMS, c. 1803

B. Eadweard Muybridge and Instantaneous Photography

1. SELECTED WORK: *THE HORSE IN MOTION*, "SALLIE GARDNER," EADWEARD MUYBRIDGE, c. 1878

2. Muybridge's Zoopraxiscope: A Precursor to Film

C. Television

1. SELECTED WORK: *MAGNET TV*, NAM JUNE PAIK, 1965

D. The Automobile

1. SELECTED WORK: *VELVET WHITE*, JOHN CHAMBERLAIN, 1962