ART

Art and Technology

I. ART FUNDAMENTALS

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 PANTEON, 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 MAIDERVANT 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