

methods, purposes, and aims of African-American studies. Led by a single professor, this course incorporates multiple guest lecturers from the faculty to supplement the instructor's own area of expertise. The goal of this course is to prepare students to explore the range, diversity, and power of African-American culture. (HU, GE4) *Staff.*

Winter

African-American Studies 403 (3)—Directed Individual Study

Prerequisites: African-American Studies 130 and either History 359 or 360. This course facilitates individual reading, research, and writing in an area not covered in other courses. It may be repeated for degree credit more than one term and/or used for the capstone requirement in African-American Studies. *Staff.*

Fall, Winter, Spring

African-American Studies courses are as follows; for course descriptions, see the appropriate departmental listings:

Art 310-African-American Art Seminar
 English 365-African-American Literature
 History 359-The History of the African-American People to 1877
 History 360-The History of the African-American People since 1877
 History 375-European Imperialism in East and Central Africa in the 19th and 20th Centuries and the Successor States
 Literature in Translation 295-Images of Africa
 Music 221-History of Jazz
 Politics 250-Black American Politics
 Sociology 228-Race and Ethnic Relations

ANTHROPOLOGY

(See Sociology and Anthropology)

ART (ART)

PROFESSORS **SIMPSON, STENE**
 ASSOCIATE PROFESSORS **BENT, OLSON-JANJIC, O'MARA**
 ASSISTANT PROFESSOR **BOWDEN**

MAJORS

A major in **art history** leading to a Bachelor of Arts degree requires completion of at least 39 credits in art, as follows:

1. Art 101, 102, 121, 140, 395
2. Art 122, 131 or 160
3. Art 473 or 493 (3-3)
4. at least 18 credits in art history to include at least 12 credits chosen from 200-level courses and at least six credits from 300-level courses.

A major in **studio art** leading to a Bachelor of Arts degree requires completion of at least 39 credits in art, as follows:

1. Art 121, 217, 396
2. Art 122, 131 or 160
3. Art 473 or 493 (3-3)
3. three credits chosen from Art 161, 231, 232, 260, 331, 332 and 360
4. 15 additional credits from studio art courses
5. six credits chosen from among art history courses, including three credits chosen from Art 102, 202, 203, 204, 207, 308, or 380 (when the topic is 20th-century art)
6. a faculty review of the student's studio work in the junior year.

HONORS: An Honors Program in art is offered for qualified students; see department head for details.

Art 101 (3)—Survey of Western Art: Ancient to Medieval

Chronological survey of Western art from the Paleolithic Age through the Middle Ages in Italy and Northern Europe. Examination of cultural and stylistic influences in the art and architecture of ancient Mesopotamia, Egypt, Greece, and Rome. Consideration of distinct interests of Early Christian, Byzantine, and Medieval Europe. Focus on major monuments and influential images produced up to circa 1400. (HA, GE4a) *Staff.*

Fall

Art 102 (3)—Survey of Western Art: Renaissance to the Present

Chronological survey of Western art from the Renaissance through the present. Topics include the Renaissance, from its cultural and stylistic origins through the Mannerist movement; the Baroque and Rococo; the Neoclassical reaction; Romanticism and Naturalism; the Barbizon School and Realism; Impressionism and its aftermath; Fauvism, Cubism, Dada, Surrealism, Abstract Expressionism, Pop, Minimalism, and the Postmodern reaction to Modernism. (HA, GE4a) *Staff.*

Winter

Art 121 (3)—Drawing I

Prerequisite: Permission of the instructor. Development of skills and visual awareness through the study of the basic elements of drawing. Variety of media including pencil, charcoal, ink and crayon. Lab fee required. (HA, GE4a) *Staff.*

Fall, Winter

Art 122 (3)—Drawing II

Prerequisites: Art 121 and permission of the instructor. Continuation of Art 121. Lab fee required. (HA, GE4a) *Staff.*

Winter

Art 131 (3)—Design I

Prerequisite: Permission of the instructor. Emphasis on discussion of principles and elements of design common to all the visual arts. Discussion followed by practice in studio problems. Lab fee required. (HA, GE4a) *Stene.*

Fall, Winter

Art 132 (3)—Design II

Continuation of Art 131. Emphasis on design and digital technology. An advanced approach to technical and conceptual problems. Students will explore two- and three-dimensional design in projects using a variety of media. Lab fee required. (HA, GE4a) *Stene.*

Not offered in 2007-2008

Art 140 (3)—Asian Art

An introduction to the study of traditional architecture, sculpture, painting, prints, and decorative arts of India, China, Korea, and Japan. (HA, GE4a) *O'Mara.*

Winter

Art 160 (3)—Photography I

Prerequisite: Permission of the instructor. An introduction to the technical and aesthetic principles of black-and-white photography as a fine-art medium, with an emphasis on composition, exposure, and darkroom technique. Lab fee and 35 mm SLR film camera required. (HA, GE4a) *Bowden.*

Fall, Winter

Art 161 (3)—Photography II

Prerequisite: Art 160 or permission of the instructor. A continuation of Art 160, with an emphasis on theory, technique, creative problem solving, and the art of the critique. Lab fee and 35 mm film SLR camera required. (HA, GE4a) *Bowden.*

Fall

Art 200 (Classics 200) (3)—Ancient and Classical Art

A survey of art and architecture in Egypt, Mesopotamia, and the pre-Classical Aegean world, as well as an introduction to Greek and Roman painting, sculpture, and architecture. (HA, GE4a) *Staff.*

Not offered 2007-2008

Art 202 (3)—19th-Century European Art

Sculpture and painting in Europe from the French Revolution to 1900. (HA, GE4a) *O'Mara.*

Fall

Art 203 (3)—20th-Century European Art

Sculpture and painting in Europe from 1900 to 1950. (HA, GE4a) *Simpson.*

Fall

Art 204 (3)—Art Since 1945

Art in Europe and America from 1945 to the present. (HA, GE4a) *Simpson.*

Winter

Art 205 (3)—Medieval Art in Southern Europe

Examination of the art and culture of Italy and Greece from the rise of Christianity to the first appearance of bubonic plague in 1348. Topics include early Christian art and architecture; Byzantine imagery in Ravenna and Constantinople during the Age of Justinian; iconoclasm; mosaics in Greece; Venice and Sicily; sculpture in Pisa; and the development of panel and fresco painting in Rome, Florence, Siena and Assisi. (HA, GE4a) *Bent.*

Winter

Art 206 (3)—Medieval Art

Survey of the art of Western Europe from circa 700 to circa 1400. Topics of discussion include Carolingian and Ottonian painting and architecture, Celtic and Anglo-Saxon manuscripts, and French cathedral design and decoration during the Romanesque and Gothic periods. (HA, GE4a) *Bent.*

Not offered in 2007-2008

Art 207 (3)—American Art to 1945

Sculpture and painting in the United States from Colonial times to the mid-20th century. (HA, GE4a) *Simpson.*

Not offered in 2007-2008

Art 208 (3)—The Art and Architecture of England

The painting, sculpture and architecture of England from the medieval period to the 20th century. (HA, GE4a) *Simpson.*

Not offered in 2007-2008

Art 217 (3)—Painting I

Prerequisites: Art 121 and permission of the instructor. Emphasis on color, design and spatial relationships. Work from observation and imagination in oil and acrylic. Lab fee required. (HA, GE4a) *Staff.*

Fall

Art 218 (3)—Painting II

Prerequisites: Art 217 and permission of the instructor. Continuation of Art 217. Lab fee required. (HA, GE4a) *Staff.*

Winter

Art 221 (3)—Figure Drawing I

Prerequisites: Art 121 and permission of the instructor. Drawing from the human figure using a variety of media. Lab fee required. (HA, GE4a) *Staff.*

Not offered in 2007-2008

Art 222 (3)—Figure Drawing II

Prerequisites: Art 221 and permission of the instructor. Continuation of Art 221 with emphasis on the use of the human figure as a compositional element. Lab fee required. (HA, GE4a) *Staff.*

Not offered in 2007-2008

Art 223 (3)—Drawing Italy

Prerequisite: Art 121, Art 251 and permission of the instructor. Required corequisite: All students must register for three additional credits (Art 423 or independent study) as arranged in advance of the Spring Term. Living and drawing on-site in Florence, Rome, and Venice with day trips to museums and monuments in additional locations. Students create a daily sketchbook/journal along with finished drawings and a final project to be completed upon returning to Lexington. Media include pencil, pen and ink, pastel and watercolor. The last two weeks of the course will be spent on campus, completing studio projects initiated in Italy for a Fall Term exhibition. (HA, GE4a) *Olson-Janjic.*

Spring 2009 and alternate years

Art 231 (3)—Sculpture I

Prerequisites: Art 131 and permission of the instructor. An introduction to sculpture techniques, tools and materials. Studio problems will develop skills in working with wood, stone, clay, and metal. Lab fee required. (HA, GE4a) *Stene.*

Fall, Winter, Spring

Art 232 (3)—Sculpture II

Prerequisites: Art 231 and permission of the instructor. Studio problems will concentrate on one medium, e.g., stone, wood, clay, or metal. Contemporary concerns in sculpture will be explored through readings and presentations by students. Lab fee required. (HA, GE4a) *Stene.*

Fall, Winter, Spring

Art 240 (3)—Arts of China

A survey of traditional Chinese art from its beginnings through the Qing dynasty. Includes architecture, sculpture, bronzes and ceramics, as well as painting. (HA, GE4a) *O'Mara.*

Winter 2008 and alternate years

Art 241 (3)—Arts of Japan

A survey of Japanese art from its beginnings through the Edo period. Includes architecture, gardens, sculpture, prints, ceramics and other decorative arts, as well as painting. (HA, GE4a) *O'Mara.*

Not offered in 2007-2008

Art 242 (3)—Arts of India

A survey of traditional Indian art from its Indus Valley beginnings through the period of Mughal domination. Includes architecture, sculpture, and painting, as well as decorative arts. (HA, GE4a) *Staff.*

Fall

Art 250 (3)—Northern Renaissance Art

A survey of Northern painting from 1300 to 1600, examined as symbols of political, religious, and social concerns of painters, patrons, and viewers. Among the artists covered are Campin, van Eyck, van der Weyden, Dürer, Holbein, and Brueghel. Emphasis placed on interpretation of meaning and visual analysis. (HA, GE4a) *Bent.*

Not offered 2007-2008

Art 251 (3)—Italian Renaissance Art

Survey of the art and architecture of Italy during the 15th and 16th centuries. The course focuses on innovations of the Early, High, and Late Renaissance through the work of Brunelleschi, Donatello, Masaccio, Alberti, Leonardo, Bramante, Raphael, and Michelangelo. Images are considered as exponents of contemporary political, social, and religious events and perceptions. (HA, GE4a) *Bent.*

Fall

Art 252 (3)—Baroque and Rococo Art

A survey of the art and architecture of Europe during the 17th and 18th centuries. The course focuses on the stylistic and ideological issues shaping western art during the age of Religious Wars. This course considers the stylistic innovations of Caravaggio, Bernini, Rubens, Rembrandt, Velasquez, Poussin, Watteau, Boucher, Fragonard, and Tiepolo, as well as the function of—and interest in—artistic production within the context of 17th- and 18th-century society. (HA, GE4a) *Bent.*

Not offered 2007-2008

Art 260 (3)—Photography III

Prerequisite: Art 161 or permission of instructor. A continuation of principles learned in Art 160 and 161, with a particular focus on large-format photography and the craft of fine printing. (HA, GE4a) *Bowden.*

Fall

Art 261 (3)—History of Photography

An introduction to the technical, aesthetic, and social history of photography within a cultural context in the 19th and 20th centuries, as well as contemporary movements in the medium. Course includes weekly lectures, readings, films, and discussions, as well as several gallery and museum visits throughout the term. (HA, GE4a) *Bowden.*

Winter 2008 and alternate years

Art 265 (3)—Digital Darkroom

Prerequisite: Art 160 or permission of instructor. A continuation of principles learned in Photography I, applied to the digital realm. Topics covered include advanced exposure in film and digital formats, scanning, imaging, and digital printmaking. (HA, GE4a) *Bowden.*

Winter 2009 and alternate years

Art 280 (3)—The High Renaissance in Florence and Rome

Prerequisite: Art 251 and permission of the instructor. *Required corequisite:* All students must register for three additional credits (Art 223 or independent study), as arranged with a W&L department in advance of the Spring Term. Conducted largely in Italy, this course revolves around an analysis of the cultural foundations of the High Renaissance in Florence and Rome, as well as the artistic projects produced in those cities between 1475 and 1525. Readings include translated works by Italian writers working at the turn of the 16th century and scholarly interpretations of works of art executed during the period. Images and structures are examined and discussed in their original settings in Florence and Rome. (HA, GE4a) *Bent*.

Not offered in 2007-2008

Art 285 (3)—Art of the Cities of Northern Italy, 1250-1550

Prerequisite: Permission of the instructor. The art and culture of the cities of the north during the Renaissance. Examines important churches, museums, galleries, palaces, villas, public buildings, and plazas of Milan, Como, Parma, Verona, Vicenza, Padua, Venice, Ferrara, Mantua, Florence, Siena, Cortona, Arezzo, Perugia, Assisi and Rome. (HA, GE4a) *Staff*.

Not offered in 2007-2008

Art 287 (Classics 287) (6 or 3-3)—Supervised Study Abroad: Athens

Prerequisite: Permission of the department. Classics, art history, and/or studio in Greece. *The credits may be distributed in any way between art and classics, or three credits may be earned in an approved independent study course in any department including classics.* (HA, GE4a) *Staff*.

Offered when interest is expressed and departmental resources permit.

Art 290 (3)—Special Topics in Photography

Prerequisite: Art 160 or permission of the instructor. Advanced study in photography, with an emphasis on a specialized topic within the medium. Examples of topics offered include Color Photography, Alternative Processes, Photographic Study in New York, or Digital Printmaking. Lab fee required. (HA, GE4a) *Bowden*.

Spring

Art 295 (3)—Topics in Printmaking

Prerequisite: Art 121 or 131, or permission of the instructor. Lab fee required. In various years, emphasis is given to lithography, relief, or digital printing. May be repeated for degree credit with permission and if the topics are different. (HA, GE4a) *Beavers*.

Fall, Winter

Art 301 (3)—American Architecture

Building in the United States from Colonial times to the present. (HA, GE4a) *Simpson*.

Winter 2008 and alternate years

Art 304 (3)—Vernacular Architecture

An exploration of the approaches used to study common building types. Architecture is considered a form of material culture that invites a study of its cultural and ideological meaning. From log cabins to golden arches, all forms of the built environment are open to contemplation. (HA, GE4a) *Simpson*.

Winter 2009 and alternate years

Art 308 (3)—Seminar on Art of the 1960s

An exploration of the art produced during the decade of the 1960s. A seminal period, it includes Pop Art, Post-Painterly Abstraction, Minimalism, Earth Art, Performance Art, and socially conscious and politically oriented art reflecting feminism and black radicalism. Weekly lectures, readings, essays, films and discussion. (HA, GE4a) *Simpson*.

Not offered in 2007-2008

Art 310 (3)—African-American Art Seminar

An exploration of the art produced by African-Americans from the Colonial period to the present. Weekly lectures, readings, essays, films and discussion. (HA, GE4a) *Simpson*.

Spring 2009 and alternate years

Art 311 (3)—Seminar on Women Artists

An exploration of the art produced by women throughout history. Special attention is given to the role of women artists in various historical epochs and their strategies for survival and success. Weekly readings and papers for discussion. (HA, GE4a) *Simpson*.

Spring 2008 and alternate years

Art 317 (3)—Painting III

Prerequisites: Art 218 and permission of the instructor. For studio art majors. Continuation of the formal structure of painting with emphasis on developing the expression and style of the individual student. Expand awareness of contemporary concerns in art. Lab fee required. (HA, GE4a) *Staff*.

Winter

Art 318 (3)—Painting IV

Prerequisites: Art 317 and permission of the instructor. Continuation of Art 317. Lab fee required. (HA, GE4a) *Staff*.

Winter

Art 320 (3)—Painting V

Prerequisites: Art 318 and permission of the instructor. A continuation of Art 318. Lab fee required. (HA, GE4a) *Staff*.

Winter

Art 321 (3)—Painting VI

Prerequisites: Art 320 and permission of the instructor. A continuation of Art 320. Lab fee required. (HA, GE4a) *Staff*.

Winter

Art 331 (3)—Sculpture III

Prerequisites: Art 131 and permission of the instructor, with Art 221 highly recommended. Problems are designed to develop an awareness of form relationships in the human figure and to gain an understanding of how they relate to design principles and elements. Lab fee required. (HA, GE4a) *Stene*.

Not offered in 2007-2008

Art 332 (3)—Sculpture IV

Prerequisites: Art 232 and permission of the instructor. A continuation of Art 232 with emphasis on in-depth studio problems. Further readings and presentations in contemporary sculpture. Lab fee required. (HA, GE4a) *Stene*.

Not offered in 2007-2008

Art 340 (3)—The History of Chinese Painting

Prerequisites: Art 140 or permission of the instructor. The history of Chinese pictorial expression from its pre-painting beginnings through the painting of the modern period. (HA, GE4a) *O'Mara*.

Not offered in 2007-2008

Art 341 (3)—The History of Japanese Painting

Prerequisite: Art 140 or permission of the instructor. Japanese painting from its beginnings through the Edo period. (HA, GE4a) *O'Mara*.

Not offered in 2007-2008

Art 349 (3)—Gothic Art in Northern Europe

Prerequisite: Art 206 or permission of the instructor. This seminar focuses on artistic, intellectual, and cultural developments in France and England during the 12th and 13th centuries. Stylistic, iconographic and theoretical issues in the visual arts are studied within the context of scholastic thought, mass pilgrimage, and monarchical consolidation. (HA, GE4a) *Bent*.

Not offered 2007-2008

Art 350 (3)—Medieval Art in Italy

Prerequisite: Art 206 or 251 or permission of the instructor. Art and architecture of the Italian peninsula, from circa 1200 to 1400. This seminar addresses issues of patronage, artistic training and methods of production, iconography, and the function of religious and secular imagery. Topics of discussion include the construction of Tuscan cathedrals and civic buildings; sculpture in Siena, Pisa, and Rome; and painting in Assisi, Padua, and Florence. (HA, GE4a) *Bent*.

Winter

Art 351 (3)—Early Renaissance Art in Florence

Prerequisite: Art 251 or permission of the instructor. Examination of the intellectual, cultural, and artistic movements dominant in Florence between ca. 1400 and ca. 1440. Images and structures produced by Ghiberti, Brunelleschi, Masaccio, Donatello, and Fra Angelico are considered within the context of Florentine social traditions and political events. (HA, GE4a) *Bent*.

Not offered in 2007-2008

Art 352 (3)—The High Renaissance in Italy

Prerequisite: Art 251 or permission of the instructor. This seminar addresses issues of patronage, artistic production, criticism and art theory, and the uses and abuses of images during the High Renaissance. Works by Botticelli, Leonardo, Michelangelo, Raphael and Bramante are considered as emblems of larger cultural movements popular in Italian courts between 1470 and 1520. (HA, GE4a) *Bent*.

Not offered in 2007-2008

Art 360 (3)—Photography IV

Prerequisite: Art 260 or permission of instructor. Advanced studies in the fine art of photography and the photographic print. Topics may include traditional, digital, or alternative process techniques in either black-and-white or color. Work in larger film and print formats is encouraged. (HA, GE4a) *Bowden*.

Fall

Art 380 (3)—Seminar in Art History

Prerequisites: Three credits in art history and permission of the instructor. Research in selected topics in art history with written and oral reports. May be repeated for degree credit with permission and if the topics are different. (HA, GE4a) *Staff*.

Fall, Winter, Spring

Art 390 (3)—Seminar in East Asian Art

Prerequisite: Art 140 or permission of the instructor. Selected topics in East Asian art. Includes guided research, reports, term paper, and possible visit to the Freer and Sackler Galleries in Washington, D.C. May be repeated for degree credit with permission and if the topics are different. (HA, GE4a) *O'Mara*.

Winter, Spring

Art 395 (3)—Senior Seminar: Approaches to Art

Prerequisite: Senior art history major. An exploration of bibliography in preparation for the thesis, and of methodology, criticism and contemporary issues in a capstone seminar. Topics include biography and formalism, iconography and iconology, social history and Marxism, feminism, psychoanalysis, semiotics, Structuralism, Post-Structuralism, and deconstruction. *Simpson*.

Fall

Art 396 (3)—Senior Seminar: Approaches to Studio Art

Prerequisite: Senior studio art major. This course begins the process which culminates in the Spring Term, senior-thesis art exhibit. Art studio faculty and visiting artists discuss their work. Readings related to personal explorations are assigned and discussed. Techniques and methods for preparing artwork for exhibition are discussed and demonstrated. *Stene*.

Fall

Art 401 (1), 402 (2), 403 (3)—Directed Individual Study

Prerequisite: Permission of the department. Individual or class study of special topics in art history. May be repeated for degree credit with permission and if the topics are different. *Staff.*

Art 423 (3)—Directed Studio Projects

Prerequisites for projects in sculpture: Art 331, 332 and permission of the instructor, Stene. Prerequisites for projects in painting: Art 320, 321 and permission of the instructor, Olson-Janjic. Prerequisites for projects in photography: Art 160 and permission of the instructor, Bowden. Guided studio work for the art major. May be repeated for degree credit with permission and if the topics are different. *Staff.*

Art 453 (3)—Internship in Arts Management

Prerequisite: Permission of the instructor. Supervised off-campus experience in an art gallery, art dealership, museum, or auction house approved by the Art Department. Requires a paper in addition to projects devised in advance by the instructor and student. *Simpson.*

Fall

Art 456 (6)—Museum Internship I

Prerequisites: 3.000 grade point average and recommendation of the department head. An introductory training program in a museum. Application must be made before February 1. *Staff.*

Not offered 2007-2008

Art 466 (6)—Museum Internship II

A continuation of Art 456. *Staff.*

Not offered 2007-2008

Art 473 (3)—Senior Thesis

Prerequisite: Art 395 or 396. An art history thesis or a presentation of creative work. A thesis abstract or a portfolio with a written statement of objectives must be presented to the department for consideration by September 30. *Staff.*

Winter

Art 493 (3-3)—Honors Thesis

Prerequisites: Honors candidacy and senior standing. Corequisite: Art 395 or 396. An art history thesis or a studio project. Application for the honors candidacy must be made by May 1 of the junior year. A thesis abstract or portfolio with a written statement of the objective must be presented at this time. A 3.300 cumulative grade point average is required. The culmination is an oral defense of the thesis project. *Staff.*

Fall-Winter

BIOLOGY (BIOL)

PROFESSORS HURD, l'ANSON, KNOX, WIELGUS
ASSOCIATE PROFESSORS CABE, MARSH,
SIMURDA
ASSISTANT PROFESSOR HAMILTON
INSTRUCTOR KRICORIAN

MAJORS

The department offers a Bachelor of Arts major and a Bachelor of Science major. Students contemplating either of these should, during the first term of their freshman year, register for Mathematics 101 and a laboratory science course in the biology or chemistry departments.

The **biology** major leading to a Bachelor of Science degree consists of 50 credits in science and mathematics, with at least 33 credits in biology. The major must include the following:

1. Biology 111 and 113, 220, 295; Mathematics 102; Physics 112, 114
2. One course from Biology 215 or 215S or Chemistry 242
3. At least 25 additional biology credits not used to satisfy the above requirements. Must include at least two courses at the 300 level, at least one of which must be a laboratory course (indicated by *) and at least one course from each of the four categories below. Biology 401-403 and 422-424 may be used as non-laboratory courses toward any category, depending on the topic and by prior agreement with the instructor and department. No more than six credit hours of work at the 400 level may apply toward the major.
 - a. *Molecules and Cells*: Biology 215* or 215S*, 310*, 320, 321*, 350, 365, 396
 - b. *Diversity of Life*: Biology 210, 230*, 231*, 235*, 240* or 240S*, 241*, 242*
 - c. *Ecology and Evolution*: Biology 216*, 243*, 245*, 246, 322, 330*, 332*, 340 or 340S*, 398
 - d. *Structure and Function*: Biology 211S*, 225*, 250, 255, 260* or 260S*, 265*, 355*, 362*, 395, 397
4. Completion of the Major Field Test (MFT) in biology.

Additional courses required as prerequisites for completion of the above include Chemistry 111 and 112, and 241 or 241S, Mathematics 101, and Physics 111 and 113.

Courses in statistics and computer programming are recommended strongly to all students preparing for graduate or professional school.

The **biology** major leading to a Bachelor of Arts degree consists of 41 credits in science and mathematics, with at least 27 credits in biology, as follows:

ASTRONOMY

(See Physics)