SPRING 2018 CONSERVATION COURSE OFFERINGS

CORE CONSERVATION COURSES

MATERIAL SCIENCE OF ART & ARCHAEOLOGY II
FINH-GA.2102.001 [#2471]
(Lecture, 3 points)
Dr. Norbert Baer
Thursdays, 3:00 PM – 5:30 PM
CC Seminar Room

The course extends over two terms and is related to Technology and Structure of Works of Art I and II. Emphasis during this term is on the chemistry and physics of inorganic materials found in art and archaeological objects from ancient to contemporary periods. The preparation, manufacture, and identification of the materials used in the construction and conservation of works of art are studied, as are mechanisms of degradation and the physicochemical aspects of conservation treatments. Each student is required to complete a laboratory assignment with a related report and an oral presentation.

Enrollment is limited to conservation students and other qualified students with the permission of the faculty of the Conservation Center. This course is required for first-year conservation students.

TECHNOLOGY & STRUCTURE OF WORKS OF ART II: INORGANIC MATERIALS
FINH-GA.2104.001 [#2472]
(Lecture and Laboratory, 3 points)
Conservation Center faculty and consultants
Coordinator: Kerith Koss Schrager
Tuesdays & Thursdays 10:00 AM – 12:00 PM (occasionally 10:00 AM – 1:00 PM)
CC Seminar Room and various locations

The course introduces first-year conservation students to inorganic materials and the methods used to produce works of art, archaeological and ethnographic objects, and other historical artifacts, as well as to aspects of their deterioration and treatment histories. Emphasis is placed on the accurate identification of materials and description of techniques, the identification and evaluation of subsequent alterations, and an understanding of treatment history. As much as is practical and possible, students learn by looking at and examining objects directly. Each student is required to give three oral reports per semester on objects in the study collection and at The Metropolitan Museum of Art. Classes may be a combination of lecture and laboratory. In order to accommodate field trips or laboratory exercises, some sessions may last longer than two hours and are arranged by the instructor with the class at the beginning of the term.

Enrollment is limited to conservation students and other qualified students with the permission of the faculty of the Conservation Center. This course is required for first-year conservation students.
INSTRUMENTAL ANALYSIS II
FINH-GA.2106.001 [#2767]
(Lecture and Laboratory, 3 points)
**Marco Leona**
Mondays 10:00 AM – 12:00 PM
CC Seminar Room and the Metropolitan Museum of Art

The course is a continuation of Instrumental Analysis I and provides a fundamental background for the understanding of the increasing number of analytical methods that find application in the field of conservation. The course focuses on methods of instrumental analysis used for the study of organic materials. Lectures on the specific techniques are accompanied by hands-on demonstrations and laboratory exercises aimed toward developing student capability for independent use.

*Enrollment is limited to conservation students and to other qualified students with the permission of the faculty of the Conservation Center. This course is required for second-year conservation students.*

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PRINCIPLES OF CONSERVATION: TREATMENT METHODOLOGIES
FINH-GA.2107.001 [#2765]
(Lecture and Laboratory, 3 points)
**Conservation Center faculty and consultants**
Coordinator: Jean Dommermuth
Tuesdays 1:00 PM – 5:00 PM
CC Seminar Room and Room 4R

This course provides an introduction to current practices in conservation, including examination and documentation, adhesion, consolidation, structural support, cleaning, and compensation. Methodologies for approaching examinations and treatments and principles of ethics are discussed. These topics are presented as they relate to divergent specialties of conservation, including paintings, paper, and objects.

*Enrollment is limited to conservation students and other qualified students with the permission of the faculty of the Conservation Center. This course is required for first-year conservation students.*
ADVANCED OBJECTS CONSERVATION COURSES

THE CONSERVATION TREATMENT OF DECORATIVE & FINE ART INORGANIC OBJECTS
FINH-GA.2210.001 [#18792]
(Seminar & Laboratory, 3 points)
Lisa Bruno & Tina March
Tuesday, 4:00 PM – 7:00 PM
CC Room 5F

This course is designed to provide students with an introduction to the conservation of decorative and fine art objects created from inorganic materials. Emphasis is placed on the development of visual, written and critical thinking skills used in assessing and documenting condition and treatment problems. Each student examines a variety of objects, learning proper documentation and examination techniques, and then carries out treatment of those objects. The object materials may include ceramics, stone, glass and metals. In addition to object stabilization and treatment, environmental concerns, storage mounts and packing strategies, as well as appropriate ethics and standards for decorative and fine art objects are discussed. Where possible, objects in New York collections are examined.

Enrollment is limited to advanced students in conservation with the permission of the instructor required before registration.

ADVANCED PAPER CONSERVATION COURSES

THE CONSERVATION TREATMENT OF PRINTS & DRAWINGS II
FINH-GA.2240.001 [#18793]
(Seminar & Laboratory, 3 points)
Margaret Holben Ellis
Fridays, 10:00 AM – 1:00 PM
CC Room 6R

Additional conservation treatments for prints and drawings are discussed with attention given to stain reduction techniques involving washing and the use of the suction table. Each student will be assigned two to three works of art on paper and is expected to complete all aspects of its treatment.

Enrollment is limited to advanced students in conservation with the permission of the instructor required before registration.
APPLIED CONSERVATION BOOK BINDING STRUCTURES
FINH-GA.2240.002 [#205029]
(Seminar & Laboratory, 3 points)
Maria Fredericks
Wednesdays, 6:00 PM – 9:00 PM
CC Room 6MB

This course is intended for students with a strong interest in the conservation of books and bindings, and will focus on the role of re-binding as a conservation treatment and a mechanism for preservation and access. Students will create a series of binding models that are based on historical forms, but which incorporate modifications designed to accommodate the vulnerabilities of fragile or deteriorated text blocks. The goal of the course is a deeper understanding of how to engineer a new conservation binding using the broad range of structural variations possible in features such as sewing, board attachment, board shaping, endleaf construction, and spine lining. Direct assessment of the models created in relation to damaged books and bindings, combined with discussion of assigned readings, will examine the question of when and how to re-bind a historically significant text block in lieu of repairing or stabilizing an existing binding. The final project will allow the student to propose and execute one or more re-binding options tailored to the preservation needs of a book chosen for treatment.

Enrollment is limited to advanced students in conservation following the library and archive track with the permission of the instructor required before registration. Students must have satisfactorily completed the History of Bookbinding intersession workshop and the summer History of Book Structures Practicum.
APPLIED CONSERVATION SCIENCE COURSES

IMAGING TECHNOLOGIES & OTHER NON-INVASIVE METHODS OF ANALYSIS
FINH-GA.2260.001 [#18794]
(Seminar and Laboratory, 3 points)
David Saunders
Hours to be arranged
Location TBD

The course will introduce students to non-invasive analysis techniques and their advantages and disadvantages when used in conservation. We will look at the questions asked by curators and conservators and how these are best addressed using the range of equipment typically available in small or large facilities. Lectures will introduce the principles of analytical techniques, reinforcing earlier teaching in Instrumental Analysis I & II. Case studies will include technical analysis of materials in works of art and in studies of the deterioration of objects and will focus on works of art on paper and painted surfaces. Techniques covered will include optical, fluorescence and video microscopy, transmitted light imaging, fluorescence imaging, multi- and hyper-spectral imaging, infrared reflectography, raking light imaging polynomial texture mapping (PTM), optical coherence tomography (OCT), spectrophotometry, colorimetry, gloss measurement, X-ray fluorescence, Raman and infrared spectroscopy. The emphasis will be on gaining practical experience in the use of techniques and the interpretation of results to complement an understanding of their principles and strengths. Throughout the course, students will be engaged in critical reading around the subject and discussion. Exercises may include the preparation of written reports aimed at different audiences or specializations, as well as critical reading of multi-author, multidisciplinary papers. Each student will be assigned a special project to practice the planning, execution, and presentation of a non-invasive examination process.

Enrollment is limited to advanced students in conservation with the permission of the instructor required before registration. This course fulfills the advanced science requirement for conservation studies.
INDIVIDUALIZED INSTRUCTION COURSES

INDIVIDUALIZED INSTRUCTION: TREATMENT OF DETERIORATED WORKS OF ART II
FINH-GA.2281.001 [#3328]
(Seminar and Laboratory, 3 points)
Conservation Center faculty and consultants
Hours to be arranged

The student is assigned specific deteriorated objects related to a field of special interest. The student examines and records their condition and then recommends and performs courses of treatment. A review is made of published records of treatment of related works. Written reports of treatment together with supporting illustrative materials are submitted.

Enrollment is limited to advanced students in conservation. A written project proposal must be approved by the Chairman and supervising conservator.

INDIVIDUALIZED INSTRUCTION: EXAMINATION & ANALYSIS II
FINH-GA.2283.001 [#18739]
(Seminar and Laboratory, 3 points)
Conservation Center faculty and consultants
Hours to be arranged

This course involves the instrumental and scientific analysis of materials of a specific nature. Emphasis is placed on research to develop new methods of examining, preserving, and restoring works of art exhibiting particular types of structural failure. The results lead to a publishable paper.

Enrollment is limited to advanced students in conservation. A written project proposal must be approved by the Chairman and supervising conservator/conservation scientist.
CONSERVATION COURSES FOR ART HISTORIANS AND ARCHAEOLOGISTS

The following two (2) courses fulfill the Foundations II requirement for art history students.

ALTERATION & DETERIORATION OF WORKS OF ART: PHOTOGRAPHIC MATERIALS
FINH-GA.3045.001 [#20158]
(Seminar & Laboratory, 4 points)
FINH-GA.2340.001 [#18795]
(Seminar & Laboratory, 3 points)
Nora Kennedy and Katie Sanderson
Fridays, 9:30 AM – 12:30 PM
The Metropolitan Museum of Art

This course provides an introduction to the history, fabrication and technical developments of the major photographic processes of the nineteenth and twentieth centuries. The causes and prevention of deterioration mechanisms in the various imaging systems are examined. Emphasis is placed on process identification. The problems of handling, storing, and exhibiting photographic collections are discussed. Conservation options for the treatment of photographs are considered, ranging from minimal intervention options to full treatments.

The course is open to all art history, archaeology, and conservation students; enrollment is limited to 6 students. This course may be taken in fulfillment of the Foundations II requirement for art historians. Art history MA and PhD students must register for FINH-GA.3045.001 for four points, and conservation students must register for FINH-GA.2340.001 for three points. Students must have the permission of the instructor before registering for this course.

ISSUES IN CONSERVATION: HISTORICAL & ETHICAL CONSIDERATIONS IN THE DEVELOPMENT OF A DISCIPLINE
FINH-GA.2045.001 [#20159]
(Lecture, 4 points)
FINH-GA.2350.001 [#18796]
(Lecture, 3 points)
Michele Marincola
Wednesdays, 3:00 PM – 5:00 PM
Duke House Lecture Hall

This course will examine the development of art conservation in both theory and practice from its earliest manifestations to the current decade. An historical overview of the field will serve as background for a more detailed exploration of core issues in preservation and restoration. How does conservation change the appearance—and by extension, the meaning—of a work of art? How have the theoretical underpinnings of the discipline evolved, and what role do they play in practice today? And how has conservation responded to the enormous social, historical and intellectual changes of the last 100 years? Topics to be discussed include the role of artist-restorers; the rise of a discipline; the impact of science and scientific inquiry; cleaning controversies and the lure of positivist thinking; making mistakes; historic preservation, the
development of ethical standards and the persistence of ambiguity; decision-making in conservation; conservation and the law; and the challenge of modern and contemporary art. Readings will range from theoretical treatises to case studies of treatments, but no pre-requisite of scientific knowledge is required.

The course is open to all art history, archaeology, and conservation students. This course may be taken in fulfillment of the Foundations II requirement for art historians. Art history MA and PhD students must register for FINH-GA.2045.001 for four points, and conservation students must register for FINH-GA.2350.001 for three points. Students must have the permission of the instructor before registering for this course.