

## Dept. of Conservation of Cultural Heritage

The value of cultural property is immeasurable. Cultural properties often have a very significant information concerning a people's origin, history, and traditional setting. Department of Conservation of Cultural Heritage carries out humanistic and scientific research into a broad range of conservation issues for cultural heritage. The department aim is focused in understanding the overall conservation science and practice for the protection of cultural heritage. For this purpose, the program is organized by integrated academic fields in history, archaeology, art & art history, architecture, chemistry, physics, material science, paper & wood science, and conservation science. The academic courses cover the entry-level introduction to the scientific methods and techniques, and the rationales of scientific investigation and practice for the conservation of cultural heritage. The specific areas of department include the records repository, art museum and art gallery, museum, and related conservation research center.

### Courses

#### Conservation of Cultural Heritage Major Courses

##### • Topics in Korean Cultural History

Considering historical characteristics by looking at transition of culture of the development of Korean history.

##### • Readings in Korean History Original

Reading historical materials that are the basis for understanding pre-modern and modern Korean history to cultivate the ability to understanding a social aspect in that time and to interpret literature.

##### • Studies in Archives Management of History

Acquired to fundamental knowledge of archives management of history.

##### • Old Document Researches in Korea

Considering description methods of traditional history with Quellenkritik by looking at Old document.

##### • Study of Korean History and Cultural Properties

Intensifying historical understanding about cultural heritage by looking at Korean cultural heritages.

##### • Seminar on Korean History

Understanding historical and social background by grasping trends and features of various remains and heritages.

- **Field Work in Cultural Properties & Sites**

Enhancing the importance of protection of cultural property and historical views with practical knowledge through selecting and reading historical materials of field studies and visiting the actual spots of History themselves.

- **Research & Investigations in Archaeology**

Developing basic skills for archaeology by acquiring conception and method of various theoretical models about archaeology.

- **Advanced Study of Museum & Gallery**

Considering expert knowledges about storage of cultural heritage, display, preservation treatment and education.

- **Studies of Folklore**

Understanding folk cultural theories and methodologies by studying traditional culture by examining a folk customs, and faiths.

- **Topics in Legislation of Cultural Assets**

Considering expert knowledges about preserving and repairing cultural properties.

- **Studies in History of Art**

Considering historical significance and characteristic by comparing and analyzing art history of Korea and the Orient.

- **Understand & Conservation Theory in Art Works**

Studying conservation theory of art work as a management plan about various elements that cause damage of perception subjective and damage of work to art work.

- **Critique of Eastern and Western Art**

Considering the West and the Orient histories of Buddhism that were influenced to formation of the Korean ancient culture.

- **Theory of Organizing Exhibition Planning**

Developing executive ability to display cultural heritages in museums, and studying expert knowledges about overall plan of display.

- **Introduction to Conservation Science for Cultural Properties**

Understanding the overall theories and material properties for conservation, cause analysis of deterioration, and studying the new trends of conservation science by scientific approaches.

- **Repair and Maintenance Technology in Wooden Cultural Properties**

Covering the conservation-restoration treatments for the continuance of wooden cultural

properties to exist in its best condition possible, regardless of age and degradation.

- **Advanced Study of Conservation Science for Paper Cultural Assets**

Understanding the organic and inorganic materials for paper or fabric-based cultural properties, and studying the aging factors of paper materials, destructive and non-destructive methods for paper cultural properties.

- **Advanced Conservation Science and Technology in Wooden Cultural Properties**

Covering the related theories and technologies in area of conservation & restoration of wooden cultural properties. Key focus of conservation science is studying the protect methods, wood preservatives, remedial treatments as well as maintenance technologies.

- **Conservation Science for Cultural Properties Seminar**

Discussing the general topics of conservation science for cultural properties, and studying the research trends for understanding the modern conservation technologies.

- **Advanced microbiology and insectology in Cultural Properties**

Dealing with the related theory of destroying microorganisms and insects for the various cultural properties, emphasizing concepts as well as understanding deteriorating characteristics.

- **Nondestructive Research for Cultural Properties**

Understanding the status survey methodologies of cultural properties by non-destructive methods and combination technologies with various conservation approaches.

- **Chemical Instrumentation analytics**

Understanding the principles of chemical equipments and instruments, and applications of FT-IR, UV, and visible spectroscopy, nuclear magnetic resonance spectroscopy, mass spectrometry, x-ray diffraction technique and other modern instrumental techniques for analysing the various cultural properties.

- **Basic Chemistry for Cultural Assets**

Understanding the fundamentals of organic and inorganic chemistry, regarding on basic chemical bonding, reaction and mechanism for researching the cultural properties.

- **Materials of Cultural Properties and Practice**

Understanding the conservation materials according to the types of cultural assets, and the application of various materials to the cultural properties.

- **Practice for Hand-made Paper**

Covering the properties of papermaking fibers and non-fibrous additives, papermaking process, additional finishings, and the physical, mechanical and optical properties of paper,

and also leaf-casting theories and application with fibrous materials.

- **Practice in Reproduction of Painting Cultural Assets**

Practice courses in reproduction process of painting cultural properties, and understanding the history, purpose and ethnics for conservation and restoration process.

- **Practice of Conservation Technique for Painting Cultural Assets**

Practice courses in conservational process and treatment of painting cultural properties.

- **Practice of Conservation Technique for Organic Cultural Assets**

Practice courses in conservational process and treatment of paper and fabric material-based cultural properties.

- **Practice of Conservation Technique for Inorganic Cultural Assets**

Practice courses in conservational process and treatment of glass and ceramic material-based cultural properties.

- **Practice of Conservation Technique for Metal Cultural Assets**

Practice courses in conservational process and treatment of metallic material-based cultural properties.

- **Practice of Conservation Technique for Wooden Cultural Assets**

Practice courses in conservational process and treatment of wooden material-based cultural properties.

- **Photographics in Cultural Properties & Practice**

Understanding the concept and techniques of photography for the status analysis, exhibition and work portfolio of cultural properties.

- **Advanced study Tradition Architecture**

Advanced course in traditional architecture for understanding the characteristics and structures of oriental/Korean architecture, and studying the history and morphological changes of architecture.

- **Advanced Study of Deterioration in Wooden Cultural Properties**

Managing the advanced theories centered on the causes of occurrence and detailed damage properties for wooden cultural properties by weathering conditions and wood deteriorating organisms.

- **Inspection of wooden cultural properties**

Dealing with the condition inspection methods and technologies of wooden cultural properties, which include various informations on visual inspection techniques, mechanical coring or probing techniques, and stress wave or ultrasound-based techniques etc..

· **Thesis Research**

Understanding the nature and definition of research ethics and producing new knowledge, new materials, or new methods in the student's field of specialization.

□ **Major Courses**

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