Dept. of Cultural Heritage Cinservation

The value of cultural properties 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 the 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**

· **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.

· **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**

Studying 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.

· **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 examiningly a folk customs, and faiths.

· **Topics in Legislation of Cultural Assets**

Considering expert knowledges about preserving and repairing cultural properties.

· **Eastern Art History Research**

Asian Art History Seminar : Seminar on Asian art examining the development of the art in Korea, China, and Japan along with the historical and theoretical contexts.

· **Western Art History Research**

Western Art History Seminar : Seminar on Western art history in its social, cultural, and theoretical context, while discussing the notion of modernity and examining the development of modern art practices.

· **Understanding & 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.

· **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.

· **Study on Materials for Oriental Paintings**

Understanding materials and structure of oriental paintings, and basic knowledge in the

preservation and treatment of the cultural heritage by studying various materials of oriental paintings.

· **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.

· **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.

· **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.

· **Analytical Studies & Practice for Cultural Properties**

Understanding the necessity and analytical research trend of cultural properties, and studying the analytical techniques of materials from 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 Ⅰ**

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

· **Practice in Reproduction of Painting Cultural Assets Ⅱ**

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 Ⅰ**

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

· **Practice of Conservation Technique for Paper Cultural Assets**

Practice courses in reproduction process of paper cultural assets by understanding the characteristics of paper, and materials & process of restoration process.

· **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 on Conservation of Archives**

Understanding the entire process of conservation of archives and the on-site application by the practice of conservation of archives.

· **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.

· **Practice in Traditional Pigments and Colors**

Examine the types and characteristics of traditional pigments and practice through research on the methods of pigmentation analysis and conservation of cultural heritage.

· **Advanced Material Research on Art Work**

Medium of Artwork: Study on the material nature and specific characteristics of the medium of painting and sculpture, along with the material relations between mediums and supporting materials of the artwork.

· **Modern and Contemporary Art Conservation & Practice**

Practice in Restoration and Preservation of Modern and Contemporary Art: Study on practices of restoration and preservation of oil paintings and sculptures made in the modern era, while examining the particular nature of the medium.

· **Study on Korean Mounting History**

Understanding history, materials, and structure of Korean Mounting techniques by studying basic knowledge for preserving Korean Mounting cultural heritage.

· **Microtechniques in Cultural Heritage Science**

Understanding the characteristics of cultural heritage by optical microscopes and electron microscope based on the component analysis data of various materials.

· **Advanced studies of Cultural Heritage Analysis and Chemistry**

Understanding the methods of cultural heritage analysis and organic · inorganic chemistry, and develop practical analysis skills through experiments and practice.

· **Traditional Dyeing Techniques and Practice**

Practice through research on traditional dyeing techniques as well as basic characteristics of various materials.

· **Restoration of Oriental Paintings Seminar**

Examining and analyzing the organic/inorganic materials and conservation treatment theories that make up calligraphy and painting cultural properties, and studying the research trends for understanding the conservation technologies.

· **Practice Ⅰ in Restoration of Painting Cultural Assets**

Learn the basic techniques of traditional painting and practice the process of repairing and replicating painting cultural properties through research on the characteristics of traditional painting pigments.

· **Practice Ⅱ in Restoration of Painting Cultural Assets**

Learn the basic techniques of traditional painting and practice the process of repairing and replicating painting cultural properties through research on the characteristics of traditional painting pigments.

· **Practice of Conservation Technique for Painting Cultural Assets Ⅱ**

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

□ Major Courses

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