



DEPARTMENT OF CONSERVATION

KGM700 Scientific Analytical Methods in Conservation, 7.5 credits

Naturvetenskapliga analysmetoder inom kulturvård, 7,5 högskolepoäng

Second Cycle

Confirmation

This course syllabus was confirmed by Department of Conservation on 2022-08-29 and was last revised on 2022-11-29 to be valid from 2023-01-16, spring semester of 2023.

Field of education: Design 50% and Fine Arts 50%

Department: Department of Conservation

Position in the educational system

The course can be part of the following programme: 1) Master of Science in Conservation (N2KUV)

Main field of studies

Conservation with Specialization in Conservation of Cultural Heritage Objects

Conservation

Specialization

A1N, Second cycle, has only first-cycle course/s as entry requirements

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Entry requirements

Bachelor in Conservation (180 credits) or equivalent is required for entry. English 5 from Swedish Upper Secondary School or the equivalent level of an internationally recognized test, for example TOEFL, IELTS, is a requirement.

Learning outcomes

On successful completion of the course the student will be able to:

Knowledge and understanding

- demonstrate knowledge on methods of analysis addressing different questions in conservation,
- recount for different analytical methods and their relative advantages and limitations,

Competence and skills

- prepare a research plan choosing the most appropriate methods of analyses applied to relevant studies in the field of conservation,
- discuss selected analytical methods in terms of advantages, limitations, and alternatives, and argue for the methods selected,
- explain and communicate the research plan both in written form and orally,
- identify, and critically discuss ambiguities and ethical issues in relation to sampling and use of destructive methods of analysis,

Judgement and approach

- demonstrate informed decision making,
- make decisions on the type of analysis to use taking into consideration the object, its constituent material/s, balancing sustainability issues, its values and the context, and
- demonstrate the relationship between scientific knowledge and conservation and how scientific data analysis can inform conservation decisions.

The course is sustainability-focused, which means that at least one of the learning outcomes clearly shows that the course content meets at least one of the University of Gothenburg's confirmed sustainability criteria. The content also constitutes the course's main focus.

Course content

The course aims to give the student knowledge of various scientific methods of analysis for applications in conservation of cultural heritage objects and environments. The course also provides tools for critically evaluating how these methods are applied and how they inform our decisions in heritage conservation. The student is given the opportunity to apply the methods through a theoretical individual project, and is introduced to research planning.

Form of teaching

The course consists of lectures and seminars.

Language of instruction: English

All lectures will be held in English. Individual instructions may be given in English.

Assessment

Examination 1: Seminars (1 hec)

Examination 2: Assignment (6.5 hec)

If a student who has twice received a failing grade for the same examination component wishes to change examiner ahead of the next examination session, such a request should be made to the department in writing and should be approved by the department unless there are special reasons to the contrary (Chapter 6 Section 22 of the Higher Education Ordinance).

If a student has received a recommendation from the University of Gothenburg for study support for students with disabilities, the examiner may, where it is compatible with the learning outcomes of the course and provided that no unreasonable resources are required, decide to allow the student to sit an adjusted exam or alternative form of assessment.

In the event that a course has ceased or undergone major changes, students are to be guaranteed at least three examination sessions (including the ordinary examination session) over a period of at least one year, but no more than two years after the course has ceased/been changed. The same applies to internships and professional placements (VFU), although this is restricted to just one additional examination session.

Grades

The grading scale comprises: Pass with Distinction (VG), Pass (G) and Fail (U).

Examination 1 is graded with Pass (G) or Fail (U).

Examination 2 is graded with Pass with Distinction (VG), Pass (G) and Fail (U).

For the grade Pass with Distinction (VG) on the whole course, the student needs to achieve the grade VG on Examination 2 and Pass (G) on examination 1.

Course evaluation

The evaluation is performed individually through a form at the learning platform and collectively by a scheduled discussion. The result of the course evaluation and any changes in course structure are archived, and will be available at the Department within a reasonable time frame after the course completion and should be handed on to future students the next time the course is offered.

Additional information

The courses KGM700 Naturvetenskapliga analysmetoder för kulturvård 7,5 hp and KKV705 Materialvetenskap för konservering 7,5 hp cannot be part of the same degree.

To be able to follow and pass the course the students will need a base level of generic

computer skills.