



DEPARTMENT OF CONSERVATION

KUD111 Digital Tools for Heritage Conservation, 7.5 credits

Digitala verktyg för kulturarvsdokumentation, 7,5 högskolepoäng

Second Cycle

Confirmation

This course syllabus was confirmed by Department of Conservation on 2020-09-25 and was last revised on 2021-09-16 to be valid from 2022-01-17, spring semester of 2022.

Field of education: Design 25% and Science 75%

Department: Department of Conservation

Position in the educational system

The course is given as an optional course within the Master of Science in Conservation. The course is also given as a single subject course.

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

Main field of studies

Conservation

Specialization

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

Entry requirements

Applicants must have a Bachelor of Arts or Bachelor of Science degree (180 hp).

Applicants must prove knowledge of English by an internationally recognized test, for example TOEFL, IELTS, the English proficiency should be equivalent to the level of English 6/English Course B from Swedish Upper Secondary School.

Learning outcomes

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

Knowledge and understanding

- account for and relate technologies and applications of computer based documentation and visualisation to the field of heritage conservation.

Competence and skills

- independently construct a project plan where digital technologies for documentation and visualisation of heritage objects in conservation practices are used (for instance landscape management, architectural conservation or museums conservation and display).

- use technologies for digital documentation, modelling, simulation, visualisation and staging of heritage objects.

Judgement and approach

- identify ambiguities and ethical problems in computer based documentation and visualisation of cultural heritage.

The course is sustainability-related, 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.

Course content

The course objective is to develop hands-on skills and in-depth understanding of scientific authentication of computer-based documentation and visualisation in the field of heritage conservation. Students are trained to carry out photogrammetric documentation of heritage objects, buildings and environments, and to model, simulate and visualise 3D interpretations and associated research data.

Form of teaching

The course consists of workshops, lectures, and seminars.

Language of instruction: English

Assessment

The course objectives are assessed by:

Examination 1: Seminar, 1.5 HEC (U-G)

Examination 2: Project Design, 1.5 HEC (U-G)

Examination 3: Assignment, 4,5 HEC (U-VG)

Examination after ordinary examination occasions are offered six weeks after the course and at the end and beginning of semesters.

If a student, who has failed the same examined component twice, wishes to change examiner before the next examination, a written application shall be sent to the department responsible for the course and shall be granted unless there are special reasons to the contrary (Chapter 6, Section 22 of Higher Education Ordinance).

In cases where a course has been discontinued or has undergone major changes, the student shall normally be guaranteed at least three examination occasions (including the ordinary examination) during a period of at least one year from the last time the course was given.

Grades

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

To achieve the grade Pass (G) on the entire course, the student needs Pass (G) on examinations 1, 2 and 3.

To achieve Pass with Distinction (VG) on the entire course, the student needs to achieve the grade G on examination 1 and 2 and grade VG on examination 3.

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

All software applications used are available for students on campus or downloadable as freeware or time-limited trials. Access to a personal computer (Mac or Windows) and camera is required.

The language of instruction is in English and Swedish. All seminars and lectures are held in English.

To be able to follow and pass the course the students will need a high level of generic computer skills.