

Research data for doctoral students in an Open Science landscape, equivalent to [2] higher education credits

Forskningsdata för doktorander i ett öppet forskningslandskap, motsvarande [2] högskolepoäng

Valid from:	240111
Last modified:	6 December 2023
Education cycle:	Third-cycle
Language:	English
English version:	Yes. Translated by Sarah Ljungkvist.

Purpose

The purpose of the course is for the doctoral student to reach a basic understanding of good research data management and the significance of Open Science.

Content

The course encompasses:

- Introduction to Open Science and research data
- Introduction to good research data management following FAIR data principles
- The development of data management plans, in practice and theory

Intended learning outcomes

On completion of the course, the doctoral student will be able to:

- Explain important concepts and principles of Open Science
- Independently plan good research data management for the lifespan of a research project
- Evaluate whether it is possible to make a dataset accessible based on the aspects of integrity and confidentiality

The course addresses the following qualitative targets

Competence and Skills

For a Degree of Doctor, the doctoral student must be able

- B1: to conduct scientific analysis and synthesis as well as to review and assess new and complex phenomena, questions and situations, independently and critically,
- B6: to show an ability to contribute to the development of society and support the learning of others, both in research and education as well as in other qualified professional contexts.

Judgement and Approach

For a Degree of Doctor, the doctoral student must be able

- C2: to demonstrate enhanced insight into the possibilities and limitations of science, its role in society and people's responsibility for how it is used.

Types of education

Lectures, seminars, workshops

Examinations

To obtain a certificate in a completed course, the doctoral student must have actively participated in seminars (SEM) and workshops (OVN), been present at all lectures (OBN) and submitted an individual written assignment (INL) in the form of a data management plan and a reflective paper on the choices made regarding research data management.

Certificates

For doctoral students: A certificate will be provided after the doctoral student has satisfactorily completed the course. The certificate is equivalent to 2 credits and a credit transfer can be done by persons who, according to the Rules of Procedure, have decision-making rights.

For employees: A diploma will be awarded that certifies attendance at the course.

Those who have not passed the regular examination will be allowed three retests within one year.

Entry requirements and selection

To participate in the course and the tests included in the course, the applicant must have been admitted to doctoral education at Mälardalen University or be employed at Mälardalen University.

Selection

Selection of applicants will be done according to the ranking below.

1. Doctoral students who have been admitted to Mälardalen University
2. Employees at Mälardalen University

Interim regulations and other provisions