

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

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| Valid from: | 241217 |
| Last modified: | 241210 |
| Education cycle: | Third-cycle |
| Language: | English |

Purpose

The purpose of the course is to introduce Open Science, the FAIR-principles, the significance of good research data management, and the value of a data management plan.

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:

- Independently plan good research data management adapted to their field of research.
- Be able to relate to and apply Open Science on their field of research.

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

- C1: demonstrate intellectual independence and scientific integrity as well as the ability to make research ethical judgments, and
- C2: show in-depth 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, seminar, workshop.

Examinations

To obtain a certificate in a completed course, the doctoral student must have actively participated in the seminar (SEM) and workshop (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.

Certificates

Written assignments will be assessed using a two-grade scale of Fail or Pass.

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 assignments included, 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