



Syllabus for the course Data management, data publication and citation, NAGE007

Swedish title: Datahantering, data publicering och citering

The course syllabus was confirmed by the Faculty board for graduate studies on 2017-06-01. Third cycle course, 1.5 credits.

This is a translation of the course syllabus approved in Swedish.

Learning outcomes

On completion of the course, The student shall be able to:

Knowledge and understanding

- Explain the basics data description (metadata), data curation and data citation.
- Demonstrate an increased awareness about data analysis, data curation and provenance relevant for data publication and data re-use.
- Explain the basic principles of a Data Management Plan.

Competence and skills

- Prepare a basic data management plan.
- Prepare a basic relevant description and documentation of data.
- Upload data and data documentation to a repository

Judgement and approach

- Evaluate what is needed for making data available according the FAIR Data principles.
- Motivate the relevance of data curation and provenance.
- Relate to international standards for metadata and data documentation.

Course content

The course is an introduction to the handling of research data and today's developments around data management planning, data collection, data curation and data publication. Also, aspects of data documentation (metadata) standards and data citation are part of the course. The course will follow the data principles referred to as "FAIR Data Principles" (Findable, Accessible, Interoperable and Reusable, <https://www.force11.org/group/fairgroup/fairprinciples>). Exercises and assignments will focus on actual preparation of a data management plan and preparing data for publication and making data public accessible and findable.

Teaching

The course consists of lectures, exercises, assignments and meetings. Lectures and exercise will be given during two half day sessions. The students will receive an assignment that is discussed as well evaluated in two meetings. The course moments,

corresponding approximately to a total of 40 hours, will be given over a period of 20 days.

Assessment

Examination of the course is based on participation in the in the lectures, exercises, oral presentations and present a written data management plan

Grading scale

Possible grades are Pass and Fail. For a grade of Pass the student must participate in all lectures and exercises and pass the presentation of the written data management plan.

Language

The course is given in English.

Entry requirements

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Additional information

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