**Open Science for the quantitative social sciences**

**Credit points:** 7,5 hp

**Responsible department:** Sociology

**Main field of study:** Social science

**Level:** PhD-level

**Subject area:** Social science

**Grading scale:** U (fail), G (pass), VG (pass with distinction)

**Confirmation**

The course syllabus was established by the Dean of the Faculty of Social Sciences on 2021-10-11 and is valid from 2021-11-01.

**Contents**

The course aims to develop participants’ understanding of current issues surrounding ‘Open Science’ practices within quantitative analysis for the social sciences, and to build practical skills for navigating these issues as a quantitative social scientist. The core idea behind Open Science is making science more accessible, the scientific process more transparent and inclusive, and the outputs of science more readily available and relevant for society.

The course will discuss the core tenets for Open Science and its role in the creation-, understanding- and distribution of social science research. The course will examine important concepts in open science and how we can navigate them as researchers. Furthermore, the course will build practical skills for reproducibility and transparency in research.

**Expected learning outcomes**

After completing the course, the student should be able to demonstrate:

* Knowledge and understanding of contemporary discussions and debates around Open Science in the field of quantitative social sciences.
* The ability to recognize and critique the implementation of research protocols from the perspectives of Open Science.
* The ability to highlight and critically discuss the impact of research protocols in their own research for reproducibility and transparency.
* Knowledge and practical research skills to ensure and improve reproducibility in research.

**Required knowledge**

Admission to a doctoral program at the Faculty of Social Sciences. If there are vacancies, students from other faculties or universities can also be admitted to the course.

**Forms**

Teaching takes place in the form of lectures, seminars/workshops with practical assignments and a final report. Lectures and presentations are led by quantitative social science researchers, with support from other experts in specific areas. The course includes practical tasks, which are done independently or in smaller groups. The final report will be written individually.

**Assessment**

Assessment takes place through two components. The first component is active participation during compulsory seminars and the second component is the writing of an “Open Science report” on the students’ thesis projects. The final report can be written in Swedish or English.

**Literature**

Relevant literature and other material will be introduced at the beginning of the course. All necessary material is available without cost.