DALARNA UNIVERSITY

Course Syllabus

Individual literature study course 5 Credits, Third Cycle

Learning Outcomes

After completing the course, the doctoral student should be able to:
Skills and abilities
• Demonstrate the ability to formulate question (s) that are suitable for a systematic search of scientific literature in the specific field.

Knowledge and understanding
• Demonstrate an understanding of search methodology to find relevant literature.
• Demonstrate the ability to extract relevant information from scientific literature in the field.

Judgement and approach
• Show a critical approach in the evaluation and interpretation of the scientific literature in terms of evaluating its methodological eligibility and eventual shortcomings in relation to the objective of the study and its conclusions.

Course Content

The course is given in two parts. The first part includes the literature review that is done at the beginning of the doctoral program before formulating research questions for the first study.

The second part can optionally be used to provide a research background in the framework report for the licentiate thesis or doctoral dissertation or as a basis formulate research questions.

Introduction is given to literature search techniques and methodology for critically judging scientific papers.
The course provides skills through own training in searching for relevant scientific literature for the dissertation. The most important methods and sources for searching for published and unpublished material will be covered and the principles for systematic database search will be introduced. The knowledge is acquired in supervision and in contacts with the university‘s library.

Assessment

Written home assignment 1 (2.5 credits)
A literature synthesis that forms the background and knowledge base for the research

questions in the first parts of the licentiate thesis / doctoral dissertation. Grade: Fail (U)/pass (G)

Written home assignment 2 (2.5 credits)
A literature synthesis that can be used in the framework report for a licentiate thesis or doctoral dissertation.
Grade: Fail (U)/pass (G)

Forms of Study
Introduction lectures and exercise followed by individually performed work which is followed up through feedback in supervision meetings.

Grades
The Swedish grades U–G.

Prerequisites
To be admitted to the course, students must either have been admitted to the doctoral programme Energy Systems in the Built Environment or have a relevant thesis subject at Dalarna University or another higher education institution. Doctoral students who have not been admitted to a doctoral programme at Dalarna University are accepted subject to space in the course

Other Information
The course is given in English.

Subject:
Energy Systems in the Built Environment

Approved:
Approved 13 September 2022
Valid from 13 September 2022