DALARNA UNIVERSITY

Course Syllabus

Scientific Communication and Information Management 5 Credits*, Second Cycle Level 2

Learning Outcomes

The overall aim of this course is that students will improve their ability to communicate scientifically about solar energy engineering at a professional level using both written and spoken English.

After completing the course, the student shall be able to:

- Organize and write a scientific text
- Critically examine and comment on scientific texts
- Plan and present an oral presentation with scientific content
- Plan and conduct various types of information searches
- Identify and make use of bibliographical reference systems

Course Content

The course includes practice in written and oral presentations directed towards researchers and professionals. The course also includes information about databases with regard to searching for and citation of any information found, as well as methods for continued coverage of specific research areas. This also includes electronic publications, reference systems, research ethics and evaluation of sources.

Assessment

- Written assignment on information management and active participation in obligatory seminars (1 credit)
- Scientific report (2 credits)
- Oral presentation; review of other students' written text and oral presentations. (2 credits)

The written assignments in this course are conducted in tandem with the assignments in Energy Storage. The students will submit the same final paper for both courses. The grade for this course will be based upon the linguistic aspects of the final paper, the student's performance during the oral presentation and active participation in the seminars.

Forms of Study

Lectures, seminars and exercises are the forms of study. All seminars are obligatory. A high

degree of independent studies is required. This includes searching databases, writing scientific texts, making oral presentations, and acting as opponents for other students' texts and presentations.

Grades
The Swedish grades U–VG.

Written assignment U-G.
The final grade for the course is given after an overall assessment made by the examiner.

Prerequisites
Degree of bachelor of science in engineering (mechanical, electrical, energy, engineering physics) or equivalent of at least 180 credits. Courses of at least 30 credits in total in the 60 credits master program in Solar Energy Engineering should be completed.

Other Information
The number of examination attempts is limited to five.

This course replaces MÖ4002.

Subject:
Energy Technology

Group of Subjects:
Energy Technology

Disciplinary Domain:
Technology, 100%

This course can be included in the following main field(s) of study:
1. Solar Energy Engineering

Progression Indicator within (each) main field of study:
1. A1F

Approved:
Approved 29 October 2015
Valid from 9 December 2015