FDS3103 Introduction to Scientific Writing 2.0 credits

Introduktion till vetenskapligt skrivande

This is a translation of the Swedish, legally binding, course syllabus.

Establishment

Course syllabus for FDS3103 valid from Autumn 2018

Grading scale

P, F

Education cycle

Third cycle

Specific prerequisites

The course is intended for beginning doctoral students in the School of Electrical Engineering.

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

- Understand basic principles of scientific writing for both specialized and non-specialized audiences

- Argue persuasively for a research idea using references to published research
- Know how to apply the IMRD structure in the production of a research article
- Correctly use and reference source material according to journal standards
- Use reference databases
- Use graphical representation to effectively convey results
- Understand the publication process

Course contents

- Scientific Writing: Style and composition
- The writing process. Drafting, outlining and revising References and plagiarism
- Writing proposals. Peer reviewing. Figures and tables
- Research papers: Introductions and Methods sections
- Research papers: Results and Discussion, Title and Abstract
- Popular Science writing
- The publication process

Disposition

- Six two-hour lectures
- Required attendance at five of six lectures

Course literature

Hofmann, Angelika. 2010. **Scientific Writing and Communication**. OUP, 682 sidor

Examination

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

If the course is discontinued, students may request to be examined during the following two academic years.

- Research proposal of approx. 800 words in two drafts
- Test on the IMRD structure

Other requirements for final grade

- Required attendance at five of six lectures
- Obligatory peer review of proposal, conducted outside of class

Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.