DS3103 Introduction to Scientific Writing 2.0 credits

Introduktion till vetenskapligt skrivande

Course syllabus for DS3103 valid from Spring 12, edition 1.

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 main content

- 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

Eligibility

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

Literature

Hofmann, Angelika. 2010. Scientific Writing and Communication. OUP, 682 pages

Examination

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

Requirements for final grade

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