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


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