FAG3100 Seminar on Advanced Remote Sensing 7.5 credits

Seminariedeltagande i avancerad fjärranalys

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

Establishment

Grading scale

G

Education cycle

Third cycle

Specific prerequisites

AG1321 Remote Sensing Technology or equivalent

AG2413 Digital Image Processing and Application or equivalent

Language of instruction

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

Intended learning outcomes

Through seminars and literature reviews, this course introduces doctoral students to how the field of remote sensing and digital image processing has developed over the past several

decades. Specific topics will be determined depending on the instructors' expertise and students' research interests.

Course contents

Literature reviews in major remote sensing journals (e.g., Remote Sensing of Environment, IEEE TGRS, IEEE JSTARS, the International Journal of Remote Sensing) and conferences (e.g., IGARSS, Int. Symposium on Remote Sensing of Environment, etc.). Weekly seminars and reports.

On the completion of this course, students should be able to

- describe major research advanced in the field of advanced remote sensing
- describe major research methods in advanced remote sensing
- identify key applications developed in advanced remote sensing
- identify future research issues in advanced remote sensing

Course literature

Major Remote Sensing Journals and conference proceedings.

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.

Other requirements for final grade

LAB1 - Laboratory Work, 3.0 credits, grade scale: P, F

PRO1 - Project, 4.5 credits, grade scale: P, F

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.