**Course Summary for NGEN08 Satellite Remote Sensing vt 2021**

Course coordinator: Lars Eklundh

Teachers in the course:

- *Jonas Ardö, professor (JA)*
- *Zheng Duan, associate senior lecturer(ZD)*
- *Lars Eklundh, professor (LE)*
- *Helena Elvén Eriksson, lecturer (HEE)*
- *Sofia Junttila, PhD candidate (SJ)*
- *Per-Ola Olsson, postdoctoral researcher, (PO)*
- *Torbern Tagesson, postdoctoral researcher (TT)*
- *David Tenenbaum, senior lecturer (DT)*

Number of students: 30 registered students (of which 2 re-registrations)
Grade distribution: G (pass), VG (pass with distinction).

## Evaluation

**Summary of the course evaluation**
Number of survey responses: 20
*Short summary of the evaluation responses*: The result for 2021 was very good, an improvement compared to last year. The overall course grade was 4.2 (on a scale 1-5), and fulfilment of objectives in the course curriculum of 4.5. The students were satisfied with most of the lectures, exercises, and training in communication. As usual, students noted that the course is at times demanding, and there were some complaints that the load was uneven in time. This calls for some further adjustments and reallocation of time devoted for some of the exercises.

The time-series exercise, which had received many negative comments in 2020 this year worked much better. It is a demanding exercise and some students found it difficult. Corona-related comments: The adaptations to Corona (distance teaching) worked better this year and overall the students were quite happy with how everything worked. It is of course noted that group discussions do not work as well as on campus.

*Conclusion*
The 2021 version of the course worked quite well. Being the second year with distance learning experiences from the first Corona year led to an overall improvement. There were naturally individual comments in the course evaluation that pointed to details that may be improved, e.g. the load during the course being somewhat uneven. However, overall, the course remains popular and is perceived among students as having high quality. A particularly encouraging comment was:
"Overall I really enjoyed this coruse, it have diffidently been the most interesting course since I started studying on this university. The teachers are overall also good, they do not seem to have the same hierarchal way of looking down on students as unfortunately many professors do in other courses on this university."

**Comments from the teaching team**
The teachers have been given opportunity to comment.

**Evaluation of changes implemented since the last time the course was given**
Both machine learning and radar were new components that were important and popular. They should be somewhat adapted and possibly expanded for next year's course.

**Suggestions for changes to implement before the course is given the next time**
The 2022 version will be given on campus. It is recommended that teachers utilize some of the distance learning materials that have been produced when the course was given on-line. The schedule will need some adaptations to avoid too heavy weeks.

2021-09-24, this summary was made by Lars Eklundh