

Course Summary for NGEN16 Biosphere-atmosphere Interactions” ht2019

Course coordinator: Harry Lankreijer

Teachers in the course: Thomas Holst, Janne Rinne, David Tenenbaum, Patrik Vestin and Harry Lankreijer

Number of students: 8 registered students

Grade distribution: 1U, 3G, 2 VG. 2 did not take the exam.

Evaluation

I. Summary of the course evaluation

Number of survey responses: 7 of 8, which is 87.5 % of the students

Short summary of the evaluation responses: In general the students were satisfied with the course. The overall score for the course was 4 out of 5 and student expressed that the content was as expected. The aim as defined in the course syllabus was covered (4.4/5). The students were particularly satisfied with the field campaign section and also the RHESys model application received in general very good response. Important comments from the students were that especially the first two weeks were repetition of material for those who did the bachelor program. The examination was rather short in time after the deadline for the modelling report and thus little time for studying the material. Improvement of the field campaign schedule and better info on the expectations for data analysis was requested. Use of jupyter notebooks was appreciated and an extended introduction to the use of it, requested.

II. Comments from the teaching team

The course went well. The issue of the level of the students with different background at the start (exchange students and those who read the INES bachelor program) is acknowledged. Although mentioned as a problem in the evaluation, we suggest to keep a steep learning curve in the first weeks, eventually with extra learning materials for exchange students. Being high level course it was expected that students would be able to keep the needed overview for data analysis, but next time more details on the measurements and field campaign schedule will be supplied.

III. Evaluation of changes implemented since the last time the course was given

Since the last time we had no real changes, except for introducing Canvas learning platform. Canvas worked very well. The prevent repetition and give at the same time students the possibility use extra learning materials the soil physics section was adapted with introducing a Jupyter Notebook.

IV. Suggestions for changes to implement before the course is given the next time

The given soil physics exercise was not updated yet and should be next time. As the Notebook exercise was appreciated this will be further developed.

2019-11-26, this summary was done by Harry Lankreijer

The summary should be mailed to the director of studies, ulrik.martensson@nateko.lu.se, Yvonne.kedstrom@fysik.lu.se, for archiving, and published on the course homepage.