

## Course analysis for "Introduction to Accelerators and FEL MAXM07" HT 2020

### Introduktion till acceleratorer och FEL

**Course responsible:** Sverker Werin

**Other teachers:** Francesca Curbis, Mihai Pop

**Number of students registered:** 10

**Course representative:** Missing

**Grades:** U - 1, G - 4, VG - 4.

#### Analysis

##### I. Summary of the course evaluations

Total number of responses: 5

*Short summary of the results:* The students were satisfied with the course as it gave them the overview of the field they had expected. In general the lectures and exercises were good but there is also room for improvement. The one of the study visits that could be made was appreciated. In general the students asked for better co-ordination between the different moments of the course. Exercise sessions run hybrid on-site and on-line did not work out well.

##### II. Comments and reflections from the teachers

The course started as on-site but gradually moved on-line. In the beginning things were also done in hybrid mode with students both on-site and on-line, this was difficult and did not work out well. The course suffered from cancelled study visits (one out of three visits were cancelled, and the remaining reduced in time.) One was replaced by a video tour.

The course consists of different moments, which should tie into each other. It also shares lectures with another course. The Covid situation emphasized that the integration of different parts needs to be revisited. In addition instructions which normally are given during lectures, became more difficult to transmit in Zoom and Canvas teaching.

The literature is experienced differently, good or confusing. A single textbook does not exist and the course relies on several combined sources. An updated compendium would in a longer perspective be a possibility.

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

The changes implemented from last year were dominated by adaptations for hybrid and on-line teaching. In addition the Course was moved to Canvas, from Live@Lund. A new tool for simulations was used, which, from a teacher perspective, seems to have been an improvement.

**IV. Suggestions for modifications and measures until the next time the course is given**

The course will anyway be updated to also fit as the introduction to the new Master program in X-ray and neutron science.

From the feed back given, this update should also look on:

- the integration of different moments in the course
- better connect the exercises to the lectures
- better instructions to hand-in duties
- improving the literature composition

210326, this course analysis has been put together by Sverker Werin.

*The course analysis is sent by e-mail to the director of studies: [jan.knudsen@sljus.lu.se](mailto:jan.knudsen@sljus.lu.se)*