

Kursanalys SH1017 vt2022

Kursnamn: Fysik för teknisk matematik

Kursmoment: Analytisk mekanik (AM), elektrodynamik (ED), termodynamik (TD), kvantmekanik (KM)

Tidsram: mars-maj 2022

Antal registrerade studenter: 49

Kursansvarig: Edwin Langmann

Lärare: Edwin Langmann (AM&ED) Mats Wallin (TD&KM) Anton Talkachov (övningar)

Undervisningstimmar:

Kursmoment: 4 frivilliga inlämningsuppgifter (gjordes av 41 (ILUP1), 37 (ILUP2), 35 (ILUP3), 32 (ILUP4) studenter och som rättades); 4 obligatoriska datorlaborationer som (gjordes av 40, 40, 40, 39 studenter och som rättades med betyg P/F); skriftlig tentamen (som gjordes av 40 studenter)

Kursnämnd: Eira Larsson, Jonatan Wächter

Resultat tentamen juni: F: 4, FX: 2, E: 3, D: 6, C: 6, B: 1, A: 18

Resultat på kurs (tentan och lab): 32 i juni; 38 efter aug (omtentamen)

Feedback: kursutvärderingen efter kursen (juni 2022; 16 svar) kursenkät efter kursen (juni 2022; 8 svar)

Kursanalys: studenter var i stort sätt jöjd med kursen (vi hade tvåmöten med kursnämnden, en i april och en efter tentamen i juni; kursnämnden gjorde en enkät där 16 studenter svarade; kursansvarig gjorde en enkät där 8 svarade).

It seems the course worked well. It seems the majority of the students was happy with the course (and we did not get any serious complaints).

We were happy what the students learnt in the course (which we could see in the exam).

The exercise classes were given in English, but this was not problem: the exercise teacher was appreciated by the students.

The homework was done by the majority of students (despite of being much work for few bonus points), which was one reason for the course working so well (we tried to choose the homework so that they would force the students to learn much of the course material already during the course).

From the student feedback we got it seems the required time for the course was appropriate: not an easy course, but not too hard, either.

Changes for next year: Four topics: AM, ED, TD and KM was somewhat too much and, for next time, we plan to remove TD (which is somewhat different in

character than the other three topics). We also plan to reduce the number of homework sets from 4 to 3 (and probably the same for the labs). Next year, the course will also be taught by a single teacher (and not two like in 2022). Since the most common mark in the exam was A, there is room for increasing the ambition level in the course (but this should be done very carefully: it is easy to make the course too hard).