

Kursuskode og navn	DM559 - Linear and Integer Programming
Semester (Efterår/forår og årstal)	Forår 2017
Undervisningsansvarlig	Marco Chiarandini
Øvrige undervisere	Jens Østergaard (instructor)
Antal tilmeldte studerende til kurset	53+2 in the protocol (65 in BlackBoard)
Antal studerende, som har deltaget i evalueringen	12 ~ 22% (18%)
På hvilke studieretninger og semestre indgår kurset	Fourth semester of bachelor in Computer Science
Hvilken evalueringsform har været anvendt	Elektronisk spørgeskema
Har der været foretaget en midtvejsevaluering på kurset?	Ja, Delphi-metode

Beskriv evalueringens resultater — *f.eks. indenfor: Kursets opbygning og placering, emner, undervisningsformer, fordeling af øvelsestimer, forelæsninger og e-timer mv, de studerendes arbejdsbelastning, undervisningsmaterialet, delprøver og forudsætningsprøver, sammenhæng med studiet, de enkelte læreres undervisning:*

The course gives 7.5 ECTS (2.5 ECTS have been taken by the innovation project).

The course consists of two parts, a linear algebra part in the first quarter and a linear programming part in the second quarter. In the second quarter the course receives also matøk students, who get 5 ECTS. In the first quarter there are 9 intro classes and 11 exercise classes (2 in the computer lab). In the second quarter there are 14 intro classes and 12 exercise classes (2 in the computer lab).

There is a pass/fail forudsætningsprøve that consists of 2+2 assignments. Each assignment had a resubmission deadline within ca. 10 days from the ordinary deadline and after the solutions were published. The proportion passed / enrolled in the forudsætningsprøve has been 42/53.

The assessment is done at the end of the course with a 4 hours written exam.

Most of the students report to use between 11 and 15 hours per week on this course. The course is perceived as more difficult with respect to other courses and the workload above average. Respondants are indifferent with respect to the suitability of the course in their study programme. The majority of the students agree that the set up and the development of the course has been appropriate, however a portion of students close to the majority does not agree on this. The teaching material is perceived as usable and relevant. Further, the majority of the students find the information on the course reliable and matching the actual development (however, a few disagree on this).

Because of a misunderstanding in the preparation of the electronic form, there is no evaluation on the teacher but only on the instructor. The teacher has actually taken up ca. 1/3 of the exercise classes. Hence, it is unclear to whom the evaluations are addressed. The field competencies of the teacher/instructor are perceived as very satisfactory. Instead the majority of the students does not deem his pedagogical competences satisfactory. There is not agreement about the perceived preparation for the classes nor about his engagement in students' learning. The impression of the teacher (Marco) is that the instructor was very good.

There are four very negative comments in the free general comments field all addressing Marco. Above all it is raised criticism on his pedagogical competencies and his language skills.

Other comments were received via Delphi method in the midway evaluation. There has been general agreement on the criticism for the too short deadline for the first assignment (this has been solved by lifting the requirement for the second assignment and by particular care on the following deadlines). Suggestions for improvements were shared around the following: scheduling exercise classes after the intro class rather than before, allowing more time for preparing the exercises for the exercise classes, and improving writing on the black board.

Both the final evaluations and the midway evaluations have been published in the public course web page (google "DM559 sdu").

Giver evalueringen anledning til justering af undervisning mv. Hvis ja, beskriv hvilke:

The course is still perceived as difficult although the exam has been made easier. For the next edition, I plan to remove linear algebra from the final written exam. Instead, the assessment of that part of content will be done at the end of the first quarter of the course as part of the forudsætningsprøve. Most likely it will be based on an assignment to be carried out in class.

I also plan to rearrange the obligatory assignments in such a way that they are small in size and faster to be carried out. Multiple choice test were already planned for this edition but for reasons of time this could not be implemented.

I will consider removing further material from the list of contents. Candidates are some of the proofs that I give in class but that were not needed for the exercises and the assessment.

The exercise classes must be scheduled after the intro classes in each week. This will need to be clarified with the scheduler.

Giver evalueringen anledning til ændring i kursusbeskrivelsen? Hvis ja; beskriv hvilke:

No.

Behandlet af undervisningsudvalget på;

Dato