

## Emnerapport / Course report ved / at Infomedia #59

<b>Emnekode / Course code</b>	INFO212
<b>Emnetittel / Course title</b>	System Development
<b>Semester</b>	Fall 2022
<b>Emneansvarlig / Course coordinator</b>	Fazle Rabbi
<b>Sist evaluert (semester / år) / Last evaluation (semester / year)</b>	2021

### Hva er emnets undervisnings- og vurderingsform? / What are the teaching methods and forms of assessment used in the course?

2 hours lecture every week for 13 weeks.

2 hours of lab/seminar for every week for 13 weeks. Compulsory participation: attendance in labs (at least 75 %)

Assessments:

6 obligatory assignments (submitted in groups). All assignments were needed to be approved to sit for the exam.

4 hours school exam. Grading scale: A-F

### Oppfølging fra tidligere evalueringer / Follow up from previous evaluations

The course was completely redesigned. The previous version of the course was not very challenging. In 2021, it was Pass/Fail exam.

In Fall 2022 the assessments were changed to A-F grading.

<b>Evalueringemetode(er) / Form of evaluation</b>	Survey (Anonymous)
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### Sammendrag av studentene sin evaluering / Summarize the results from the student evaluation

Overall the students were satisfied and they found the course was challenging as it indicates in the student evaluation report. Some numbers from the student evaluation report are mentioned below:

Avg time spent per week is 8.33 hours in 2022, while in 2021 it was 5.42 hours per week.

Avg score on 'recommendation' is 4.0 in 2022, while in 2021 it was 2.14.

In this year, for the student evaluation, we used one additional question 'I found the course relevant for my future work life- How much do you agree with these statement' and the avg score was 4.33.

The average score from the student evaluation indicates that the course with the new syllabus was well accepted by most of the students. Where were a few exceptions in the student evaluations which can be addressed in the next year.

### Emneansvarligs evaluering / The course coordinator's evaluation

INFO212 (System Development) course was completely redesigned with new syllabus and obligatory assignments. Total 95 students signed up to take the course and finally 81 appeared for the exam. The course covered the fundamentals of object orientations, software modeling concepts: software design, data-driven development, importance of software architecture, software quality attributes; and software development methodologies: agile principles. The students got hands on experience in the lab with the following techniques:

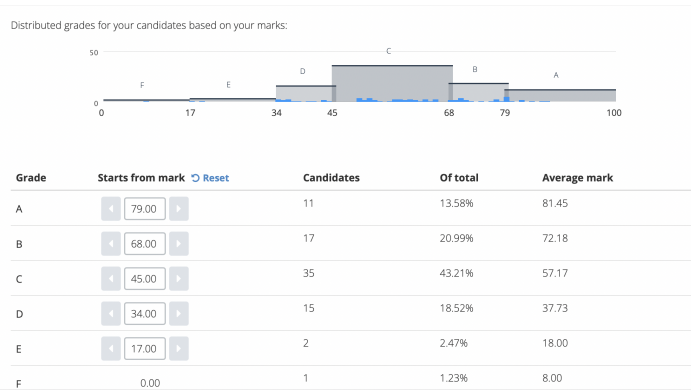
- Software modeling techniques e.g., UML, Microservice development, Process modeling, TDD;
- Software collaboration tools: GitHub, Docker.

The seminar leaders did not take the same course with this new syllabus so the lab/seminar were focused on the use of technology stack. The students and seminar leaders found the course was interesting and they learned a lot from

the course. The seminar leaders supported the students with troubleshooting during the semester.

**Last opp karakterfordeling her  
(Du finner den i Inspera, alternativt kan  
du ta kontakt med administrativ  
kontaktperson)**

**Upload the grade distribution here  
(You'll find it in Inspera, you can also  
contact the administrative contact  
person)**



[Screenshot.png](#)

### **Evt. kommentar til karakterfordeling / Comments on the grade distribution**

The exam in Fall 2022 was moderately difficult and the exam questions covered both the theory and practical part from the syllabus.

Grading distribution is given below: A -> 13.58%; B -> 20.99%; C -> 43.21%; D -> 18.52%; E -> 2.47%; F -> 1.23%.

### **Mål for neste evalueringsperiode - forbedringstiltak? / Goals for the next evaluation period - what can be improved?**

Following is a list of proposals for future improvement of the course:

- Prepare an installation guideline and troubleshooting guidelines so that students can come prepared in the seminar.
- Cover a bit more on Cloud computing, Load balancing, etc.
- Provide MCQ for all lectures, especially the part where there is more theory, so that students can practice a lot before the exam.
- Make an attempt to enable agile-practices in the group from the beginning of the course.