

Norwegian University of Science and Technology

Transcript of records



Name: **Bakke, Sander**

National identity: 100701 93316

The student has completed the following examinations at Norwegian University of Science and Technology:

Course		Semester	Credits	Grade	Grade ¹⁾ distribution				
					A	B	C	D	E
HMS0002	Health, Safety and Environment (HSE) course for 1st year students	2021 autumn	-	Passed					
TMA4101	Mathematics 1	2021 autumn	7.5	Passed					
TTT4203	Introduction to Analog and Digital Electronics	2021 autumn	7.5	B					
TTT4255	Electronic System Design, Basic Course	2021 autumn	7.5	Passed					
TDT4102	Procedural and Object-Oriented Programming	2022 spring	7.5	B					
TMA4106	Mathematics 2	2022 spring	7.5	B					
TMA4245	Statistics	2022 spring	7.5	C					
TTT4260	Electronic System Design and Analysis I	2022 spring	7.5	B					
TDT4110	Information Technology, Introduction	2022 autumn	7.5	A					
TDT4160	Computers and Digital Design	2022 autumn	7.5	E					
TFY4115	Physics	2022 autumn	7.5	D					
TMA4111	Mathematics 3	2022 autumn	7.5	A					
TTT4265	Electronic System Design and Analysis II	2022 autumn	7.5	A					
TFE4120	Electromagnetism	2023 spring	7.5	D					
TFE4172	Basics for Solid State Electronics	2023 spring	7.5	A					
TMA4121	Mathematics 4	2023 spring	7.5	C					
TTT4270	Electronic System Design, Project	2023 spring	7.5	B					
EXPH0300	Examen philosophicum for Science and Technology	2023 autumn	7.5	C					
TFE4146	Semiconductor Devices	2023 autumn	7.5	C					
TFE4152	Design of Integrated Circuits	2023 autumn	7.5	C					
TTT4120	Digital Signal Processing	2023 autumn	7.5	A					
TFE4130	Electromagnetic and Acoustic Waves	2024 spring	7.5	C					
TTT4275	Estimation, Detection and Classification	2024 spring	7.5	B					
TTT4280	Sensors and Instrumentation	2024 spring	7.5	C					
TIØ4252	Technology Management	2024 summer	7.5	C					
		Total:	180.0						

1) For an explanation of the grade distribution, see the last page.

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Credit system and grading

The academic year normally runs from mid-August to mid-June and lasts for 10 months. Courses are measured in "studiepoeng", considered equivalent to the European Credit Transfer System standard (ECTS credits). The full-time workload for one academic year is 1500 - 1800 hours of study / 60 "studiepoeng".

The Norwegian grading system consists of two grading scales: one scale with the grades pass or fail and one graded scale from A to E for pass and F for fail. The graded scale has the following qualitative descriptions:

A	Excellent	An excellent performance, clearly outstanding. The candidate demonstrates excellent judgement and a very high degree of independent thinking.
B	Very good	A very good performance. The candidate demonstrates sound judgement and a high degree of independent thinking.
C	Good	A good performance in most areas. The candidate demonstrates a reasonable degree of judgement and independent thinking in the most important areas.
D	Satisfactory	A satisfactory performance, but with significant shortcomings. The candidate demonstrates a limited degree of judgement and independent thinking.
E	Sufficient	A performance that meets the minimum criteria, but no more. The candidate demonstrates a very limited degree of judgement and independent thinking.
F	Fail	A performance that does not meet the minimum academic criteria. The candidate demonstrates an absence of both judgement and independent thinking.

The assessment is criterion referenced.

Grade distribution

The distribution of grades is shown by the percentage for courses using the graded scale A – F. Fail (F) is not included in the distribution. All results from the last five years are included in the calculation. The distribution is also shown for courses that have been active for less than five years. There has to be at least 10 approved results during the period.