Norwegian University of Life Sciences
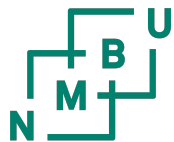
Transcript of records

Name: Hartmark, Elias Evjen   National identity: 111099 31952

The student has completed the following examinations at Norwegian University of Life Sciences:

Course		Semester	Credits	Grade	Grade[1] distribution A B C D E
IMRT100	Introductory Project	2019 autumn	5	Passed	
INF100	Principles of Information Processing	2019 autumn	5	A	
MATH111	Calculus 1	2019 autumn	10	C	
PHI100	Examen Philosophicum	2019 autumn	10	C	
FYS101	Mechanics	2020 spring	10	Passed	
FYS110	Statics	2020 spring	5	C	
INF120	Programming and Data Processing	2020 spring	10	B	
MATH112	Calculus 2	2020 spring	10	A	
TIP160	Digital Manufacturing and Design Technology 1	2020 spring	5	Passed	
FYS102	Thermophysics and Electromagnetism	2020 autumn	10	Passed	
MATH113	Linear Algebra and Linear Differential Equations	2020 autumn	10	Passed	
TEL100	Electronic Prototyping	2020 autumn	5	Passed	
DAT110	Introduction to Data Analysis and -Visualisation	2021 spring	10	B	
INF200	Advanced Programming	2021 spring	10	C	
TEL200	Introduction to robotics	2021 spring	10	Passed	
	- Compulsory elements	2021 spring		Approved	
TEL240	Control Engineering and Automation	2021 spring	10	C	
BUS120	Personal Finance	2021 autumn	5	Passed	
INF221	Computer Science for Data Scientists	2021 autumn	10	B	
INF250	Image Analysis	2021 autumn	10	A	
FYS103	Experimental Methods and Data Analysis	2022 spring	5	Passed	
FYS235	Electronics	2022 spring	5	E	
TEL211	Robot programming, sensors and actuators	2022 spring	10	Passed	
INF205	Resource-efficient programming	2022 autumn	5	C	
TEL280	Mobile robots and navigation	2022 autumn	10	Passed	
DAT200	Applied Machine Learning	2023 spring	10	B	
FYS230	Electrical Engineering	2023 spring	10	C	
INF230	Data Processing and Analysis	2023 spring	10	B	

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

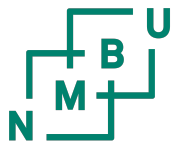# Norwegian University of Life Sciences

Transcript of records

Name: **Hartmark, Elias Evjen**　　　　　　　　　　　　　National identity: 111099 31952

Course		Semester	Credits	Grade	Grade [1] distribution A B C D E
MATH280	Applied Linear Algebra	2023 spring	10	D	
TIP150	Modern Workshop Technology, Introductory Course	2023 spring	5	Passed	
DAT300	Applied Deep Learning	2023 autumn	10	C	
TEL320	Embedded systems	2023 autumn	5	Passed	
TEL390	Special Topics in Applied Robotics	2023 autumn	15	B	
		Total:	270.0		

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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.

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