# Transcript of Records

## Norwegian University of Science and Technology

Henrik Nicolay Finsberg

Jongsbruveien 27B
1338 SANDVIKA

Name: **Finsberg, Henrik Nicolay** Date of birth: 1987-08-20

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

| Course | | Semester | Credits | Grade | Grade distribution [1] A B C D E |
|---|---|---|---|---|---|
| AAR4210 | Physical Planning and the Environments | 2008 autumn | 7.5 | C | |
| TDT4105 | Information Technology, Introduction | 2008 autumn | 7.5 | B | |
| TMA4100 | Calculus 1 | 2008 autumn | 7.5 | B | |
| TMT4100 | General Chemistry | 2008 autumn | 7.5 | A | |
| EXPH0001 | Philosophy and Theory of Science | 2009 spring | 7.5 | C | |
| TKT4116 | Mechanics 1 | 2009 spring | 7.5 | B | |
| TMA4105 | Calculus 2 | 2009 spring | 7.5 | A | |
| TVM4101 | Hydraulic and Environmental Engineering | 2009 spring | 7.5 | B | |
| TBA4100 | Geotechnical Engineering and Engineering Geology | 2009 autumn | 7.5 | B | |
| TFY4106 | Physics | 2009 autumn | 7.5 | B | |
| TKT4122 | Mechanics 2 | 2009 autumn | 7.5 | B | |
| TMA4110 | Calculus 3 | 2009 autumn | 7.5 | A | |
| TBA4122 | Building and Construction Materials | 2010 spring | 7.5 | C | |
| TBA4125 | Design of Buildings and Structures | 2010 spring | 7.5 | C | |
| TMA4245 | Statistics | 2010 spring | 7.5 | B | |
| TVM4116 | Fluid Mechanics | 2010 spring | 7.5 | B | |
| MA1301 | Number Theory | 2010 autumn | 7.5 | A | |
| TFY4160 | Wave Physics | 2010 autumn | 7.5 | B | |
| TIØ4258 | Technology Management | 2010 autumn | 7.5 | B | |
| TMA4120 | Calculus 4K | 2010 autumn | 7.5 | A | |

Trondheim, 7 August 2014 S. Haydn
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1) For an explanation of the grade distribution, see the last page.

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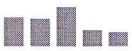
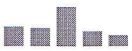
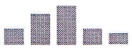
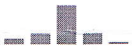
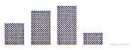
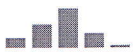
|---|---|---|---|---|---|
| MA0301 | Elementary Discrete Mathematics | 2011 spring | 7.5 | A |  |
| TDT4102 | Procedural and Object-Oriented Programming | 2011 spring | 7.5 | A |  |
| TFY4155 | Electricity and Magnetism | 2011 spring | 7.5 | B |  |
| TFY4165 | Thermal Physics | 2011 spring | 7.5 | B |  |
| TFY4215 | Introduction to Quantum Physics | 2011 spring | 7.5 | C |  |
| TDT4120 | Algorithms and Data Structures | 2011 autumn | 7.5 | B |  |
| TMA4145 | Linear Methods | 2011 autumn | 7.5 | B |  |
| TMA4215 | Numerical Mathematics | 2011 autumn | 7.5 | C |  |
| TMA4265 | Stochastic Processes | 2011 autumn | 7.5 | A |  |
| TMA4150 | Algebra and Number Theory | 2012 spring | 7.5 | B |  |
| TMA4180 | Optimization Theory | 2012 spring | 7.5 | B |  |
| TMA4190 | Manifolds | 2012 spring | 7.5 | A |  |
| TMA4212 | Numerical Solution of Differential Equations by Difference Methods | 2012 spring | 7.5 | A |  |
| TMA4267 | Linear Statistical Models | 2012 spring | 7.5 | A |  |
| TMA4170 | Fourier Analysis | 2013 summer | 7.5 | A |  |
| TMA4175 | Complex Analysis | 2013 summer | 7.5 | A |  |
| MA8104 | Wavelets | 2013 autumn | 7.5 | Passed | |
| TMA4195 | Mathematical Modelling | 2013 autumn | 7.5 | A |  |
| TMA4225 | Foundations of Analysis | 2013 autumn | 7.5 | A |  |

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| Course | | Semester | Credits | Grade | Grade distribution [1] A B C D E |
|---|---|---|---|---|---|
| TMA4500 | Industrial Mathematics, Specialization Project | 2013 autumn | 15 | A | |
| TMA4900 | Mathematics, Master's Thesis<br>Wavelet Techniques in Medical Imaging<br>Classification of UltraSound Images using the Windowed Scattering Transform | 2014 spring | 30 | A | |

Total: 337,5

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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; B – Very good; C – Good; D – Satisfactory; E – Sufficient; F – Fail. The scale is used absolutely (criterion referenced assessment).

- **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.

### 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.