

# Norwegian University of Science and Technology

## Transcript of records



Name: **Qaiser, Muhammad Talal**

National identity: 150896 25715

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

| Course   |  | Semester    | Credits | Grade  | Grade <sup>1)</sup> distribution |   |   |   |   |
|----------|--|-------------|---------|--------|----------------------------------|---|---|---|---|
|          |  |             |         |        | A                                | B | C | D | E |
| IE500217 | Computer Graphics I  | 2021 autumn | 7.5     | A      | ■                                | ■ | ■ | ■ | ■ |
| IE500417 | Data Processing and Visualization  | 2021 autumn | 7.5     | A      | ■                                | ■ | ■ | ■ | ■ |
| IP500515 | Modelling and Simulation of Dynamic Systems  | 2021 autumn | 7.5     | C      | ■                                | ■ | ■ | ■ | ■ |
| IE500720 | Simulation of Cyber-Physical Systems   | 2022 spring | 7.5     | B      | ■                                | ■ | ■ | ■ | ■ |
| IE501914 | Computer Graphics 2  | 2022 spring | 7.5     | A      | ■                                | ■ | ■ | ■ | ■ |
| IE502014 | Artificial Intelligence  | 2022 spring | 7.5     | D      | ■                                | ■ | ■ | ■ | ■ |
| IE509118 | Experts in Teamwork - Oceanic Recreation   | 2022 spring | 7.5     | B      | ■                                | ■ | ■ | ■ | ■ |
| HMS0006  | Health, Safety and Environment (HSE) course for 1st year students - AAlesund   | 2022 autumn | -       | Passed |                                  |   |   |   |   |
| IE500618 | Machine Learning   | 2022 autumn | 7.5     | B      | ■                                | ■ | ■ | ■ | ■ |
| IE502214 | Introduction to applied Simulation and Visualisation   | 2022 autumn | 7.5     | B      | ■                                | ■ | ■ | ■ | ■ |
| IE505718 | Simulation and Visualization, Specialization Project   | 2022 autumn | 15      | B      | ■                                | ■ | ■ | ■ | ■ |
| IE505818 | Simulation and Visualization, Specialization Course  | 2022 autumn | 7.5     | B      | ■                                | ■ | ■ | ■ | ■ |
| IE502414 | Master Thesis in Simulation and Visualization<br>Data Analysis and Prediction of Turbine Failures<br>Based on Machine Learning and Deep Learning<br>Techniques | 2023 autumn | 30      | B      | ■                                | ■ | ■ | ■ | ■ |
|          |  | Total:      | 120.0   |        |                                  |   |   |   |   |

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:

|          |              |   |
|----------|--------------|---|
| <b>A</b> | Excellent    | An excellent performance, clearly outstanding. The candidate demonstrates excellent judgement and a very high degree of independent thinking.       |
| <b>B</b> | Very good    | A very good performance. The candidate demonstrates sound judgement and a high degree of independent thinking.                                      |
| <b>C</b> | Good         | A good performance in most areas. The candidate demonstrates a reasonable degree of judgement and independent thinking in the most important areas. |
| <b>D</b> | Satisfactory | A satisfactory performance, but with significant shortcomings. The candidate demonstrates a limited degree of judgement and independent thinking.   |
| <b>E</b> | Sufficient   | A performance that meets the minimum criteria, but no more. The candidate demonstrates a very limited degree of judgement and independent thinking. |
| <b>F</b> | 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.