Universität Hamburg
DER FORSCHUNG | DER LEHRE | DER BILDUNG

**FAKULTÄT**
FÜR MATHEMATIK, INFORMATIK
UND NATURWISSENSCHAFTEN

# DONG JIAN

# TRANSCRIPT OF RECORDS

English translation of the original German document

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Germany

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Faculty of Mathematics, Informatics and Natural Sciences

Intended degree: Master of Science
Ocean and Climate Physics

The student has not yet completed the course.

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Family Name:
Jian

First Name:
Dong

Date and place of birth:
19 December 1997, Changde

Gender:
male

Enrolled on:
1 October 2020

Student ID No.:
7375623

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| Number/Type | Name | Semester Date | ECTS Credits | Grade |
|---|---|---|---|---|
| **Ocean and Climate Physics** | | | **90** | **1,22** |

| Number/Type | Name | Semester Date | ECTS Credits | Grade |
|---|---|---|---|---|
| **OZ-M-OCEAN1** | **Theoretical Oceanography** | | **18** | **1,3** |
| ÜB | Theoretical Oceanography 1 (exercises) | WiSe 20/21 | | |
| Exam | Final exercise | | | b |
| VL | Theoretical Oceanography 1 (lectures) | WiSe 20/21 | | |
| Exam | Oral exam | | | 1,3 |
| ÜB | Theoretical Oceanography 2 (exercises) | SuSe 21 | | |
| Exam | Final exercise | | | b |
| VL | Theoretical Oceanography 2 (lectures) | SuSe 21 | | |
| Exam | Oral exam | | | 1,7 |
| **OZ-M-OCEAN2** | **Oceanic processes and Observations** | | **6** | **1,7** |
| Laborpraktikum | Processes and Observations 2 (seminar) | WiSe 21/22 | | |
| Exam | Final exercise | | | b |
| SEM | Processes and Observations 2 (seminar) | WiSe 21/22 | | |
| Exam | Presentation | | | b |
| Final module exam(s): Poster or Paper | | | | 1,7 |
| **OZ-M-CLIMATE** | **Climate** | | **15** | **1,3** |
| VL + ÜB | Meteorological Specialization: Climate Dynamics | SuSe 21 | | |
| Exam | Final exercise | 19 Jul 2021 | | b |
| ÜB | Processes and Observations 1 (exercises) | WiSe 20/21 | | |
| Exam | Final exercise | | | b |
| VL | Processes and Observations 1 (lectures) | WiSe 20/21 | | |
| VL | Climate Modelling | SuSe 21 | | |
| SEM | Climate Modelling (seminar/tutorial) | SuSe 21 | | |
| Exam | Final exercise | | | 1,3 |
| Final module exam(s): Oral exam | | | | 1,3 |

## OZ-M-ADVANCE Advanced methods and knowledge

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|---|---|---|---|---|
| VL + ÜB | Data Analysis in Athmosphere and Ocean using Python* | SuSe 21 | 5 | 1,0 |
| Exam | Block exam | | | 1,0 |
| VL + ÜB | Numerical Prediction of Atmosphere and Ocean* | SuSe 21 | 6 | 1,0 |
| Exam | Final exercise | | | 1,0 |
| VL + SEM | Data assimilation (Lectures and Tutorial) | SuSe 21 | 6 | 1,0 |
| Exam | Block exam | | | 1,0 |

| Number/Type | Name | Semester Date | ECTS Credits | Grade |
|---|---|---|---|---|
| VL + ÜB | Scientific Programming in FORTRAN | WiSe 20/21 | 3 | 1,3 |
| Exam | Block exam | 12 Apr 2021 | | 1,3 |
| VL | ADVANCE Machine Learning in Climate Science | WiSe 20/21 | 3 | 1,3 |
| Exam | Block exam | | | 1,3 |
| VL | ADVANCE Introduction to Physical Oceanography* | WiSe 20/21 | 3 | b |
| Exam | Final exercise | 15 Dec 2020 | | b |

**OZ-M-ADD Additional***

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|---|---|---|---|---|
| NS-MO502M | Making, analyzing & interpreting observations*<br>Recognized achievement (Utrecht University) | 15 Mar 2022 | 2,5 | 2,7 |
| INFOMPR | Pattern recognition*<br>Recognized achievement (Utrecht University) | 15 Mar 2022 | 0,5 | 2,3 |
| NS-MO501M | Simulation of ocean, atmosphere and climate*<br>Recognized achievement (Utrecht University) | 15 Mar 2022 | 3 | 2,0 |
| VL + ÜB | Introduction to Numerical Approaches | WiSe 20/21 | 3 | 1,7 |
| Exam | Report | | | 1,7 |
| BLV | MATLAB in Earth System Science: An introduction | WiSe 20/21 | 1.5 | b |
| Exam | Final exercise | | | b |
| BLV | Scientific Visualisation | WiSe 20/21 | 1.5 | b |
| Exam | Final exercise | | | b |
| **OZ-M-SPEC** | **Specialization*** | | **15** | **b** |
| PRO | Development of Scientific Proposal for the Master Thesis (project) | WiSe 21/22 | | |
| Exam | Paper | | | b |
| SEM | Oceanographic Seminar (advanced level) | WiSe 21/22 | | |
| Exam | Presentation | | | b |

**Additional Achievements**

**Current GPA** **1,22**

A minimum of 120 ECTS-credits is required to successfully complete the program.

This document is valid without signature and can be verified using WebVS at Universität Hamburg: http://www.uni-hamburg.de/webvs

Note: This document only includes successfully completed courses and examinations.

grading system - per component:

| | | |
|---|---|---|
| 1,0 / 1,3 | = | excellent |
| 1,7 / 2,0 / 2,3 | = | good |
| 2,7 / 3,0 / 3,3 | = | satisfactory |
| 3,7 / 4,0 | = | sufficient |
| 5,0 | = | insufficient |

The overall grade of the Master's examination is calculated as an average of all module grades weighted by credit points, with the Master's thesis counting twice.

* = in original language
b = pass
n.a. = evaluation / grade not yet available
inc. = the module/course is incomplete
e = successfully completed

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