HOCHSCHULE
RHEIN-WAAL
Rhine-Waal University
of Applied Sciences

Aaron Jay Hinkle

geboren am **03.08.1984** in **Silverton, Vereinigte Staaten von Amerika**
born on 1984.08.03 in Silverton, United States of America

hat die Bachelorprüfung erfolgreich
has successfully passed the bachelor examination
im Studiengang **Mechanical Engineering (Focus Field Simulation and Validation)**
for the degree programme Mechanical Engineering (Focus Field Simulation and Validation)

gemäß der Prüfungsordnung vom 09.01.2018
in accordance with the examination regulations of 09th January, 2018

mit der Gesamtnote **2,2** bestanden.
with a final grade of 2,2.

HOCHSCHULE RHEIN-WAAL

Professor Dr.-Ing. Stéphane Danjou
Vorsitzender des Prüfungsausschusses
der Fakultät Technologie und Bionik

Chairman of the Examination Board
Faculty Technology and Bionics

Kleve, den 23.03.2021

Einzelergebnisse der Masterprüfung / *Programme details and individual marks obtained*

Aaron Jay Hinkle

Studienbegleitende Prüfungen / *Course Related Exams*

Module Modules	Kreditpunkte Credit Points	Note Grade
Introductory Mathematics	8	4,0
Applied Mathematics	7	3,0
Numerical Mathematics	5	4,0
Physics	5	2,3
Chemistry of Materials	5	2,3
Statics and Strength of Materials	5	3,0
Advanced Strength of Materials	5	2,7
Dynamics	5	3,0
Programming	5	Passed
Business Economics and Project Management	5	Passed
Cross-Cultural Management and Creativity	5	Passed
Group Project	5	Passed
Metallic Materials and Testing	5	3,0
Non-metallic Materials	5	2,0
Fundamentals of Electrical Engineering	5	2,7
Technology and Innovation Management	5	Passed
Entrepreneurship	2	Passed
Introduction to Mechanical Engineering	3	Passed
Engineering Drawing and Design	5	Passed

Module Modules	Kreditpunkte Credit Points	Note Grade
Advanced Engineering Design	**5**	**1,7**
Product Design	**5**	**2,3**
Manufacturing Technology	**5**	**2,0**
Quality and Production Management	**5**	**3,3**
Thermodynamics	**5**	**2,0**
Drive Systems	**5**	**4,0**
System Theory and Controls	**5**	**2,3**
Controls	**5**	**2,0**
Modelling and Simulation	**5**	**1,7**
Electives	**5**	
Condition Monitoring	5	2,3
Focus Field Simulation and Validation	**20**	
Applied Strength of Materials	5	1,3
Multibody Dynamics	5	3,0
Machine Dynamics	5	1,0
Finite Element Method	5	1,3
Internship	**30**	**Passed**

Bachelorarbeit / *Bachelor Thesis*

Thema / *Topic*

Design and Development of a Centrifugal Casting Machine and Investment Casting Process for HSRW

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1. Prüfer / *Examiner*

Professor Dr. William M Megill

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2. Prüfer / *Second Examiner*

Professor Dr. Niels Ostergaard

Note der Bachelorarbeit / *Grade of Bachelor Thesis*	**1,0**
Note des Kolloquiums / *Grade of Colloquium*	**1,0**
Kreditpunkte gesamt / *Total Credit Points*	**210**