FRIEDRICH-ALEXANDER
UNIVERSITÄT
ERLANGEN-NÜRNBERG

TRANSCRIPT OF RECORDS

Master of Science
Computational Engineering
at the Faculty of Engineering

Last name:	**Wang**	First name(s):	**Dan**
Date of birth:	13 June 1991	Gender:	female
Place of birth:	Beijing (Peoples Republic of China)		
Start of degree programme:	1 October 2013	Student ID:	**21842169**

Module title	Examination semester*	Grade**	ECTS credits
806169 Challenges for simulation in the automotive industry	**Winter 13/14**	**2.0**	**2.5**
494959 Elementary Numerical Mathematics	**Winter 13/14**	**2.7**	**7.5**
MSC 3230 Functional Analysis for Engineers	**Winter 13/14**	**3.3**	**5**
MSC 32301 Examination (Klausur) on Functional Analysis for Engineers	Winter 13/14	3.3	2.5
MSC 32302 Credit: Functional Analysis for Engineers	Winter 13/14	P	2.5
TEC 71301 Linear Continuum Mechanics	**Winter 13/14**	**2.0**	**5**
431744 C++ Programming for CE	**Summer 14**	**3.7**	**7.5**
838659 Introduction to the Finite Element Method (TAF Solid Mechanics and Dynamics)	**Summer 14**	**2.3**	**5**
537468 Material modeling and simulation (TAF Solid Mechanics and Dynamics)	**Summer 14**	**3.0**	**5**
MSC 4060 Optimisation for Engineers (with Laboratory)	**Summer 14**	**4.0**	**7.5**
MSC 40501 Optimisation for Engineers	Summer 14	4.0	5
MSC 40602 Credit: Optimisation for Engineers	Summer 14	P	2.5
TEC 72601 Lecture/Tutorial: Nonlinear Continuum Mechanics	**Winter 14/15**	**1.7**	**5**
MSC 37202 Credit: Applied Visualisation	**Summer 15**	**P**	**2.5**
MSC 37201 Lecture: Applied Visualisation	**Summer 15**	**4.0**	**2.5**
684900 Simulation and Scientific Computing 2 (Lecture and Exercises)	**Summer 15**	**4.0**	**7.5**
MSC 44501 Computational Dynamics	**Winter 15/16**	**3.0**	**5**
MSC 52101 Oral Examination on Physics of Turbulence and Turbulence Modelling I	**Winter 15/16**	**1.7**	**5**
861916 Focus Modules: Mathematics 5 ECTS	**Summer 16**	**1.7**	**5**

Module title	Examination semester*	Grade**	ECTS credits
526716 Seminar Consistency Conditions in Computed Tomography	Summer 16	3.0	5
MSC 45101 Lecture: High End Simulation in Practice (HESP)	Summer 16	2.0	7.5
080 1999 Master's thesis with presentation A study on the emergence of ferroelectricity	Winter 17/18	1.3	30
Final grade and total ECTS credits		2.4	120

Additional module(s)			
Module title	Examination semester*	Grade**	Credit points
30020 German B1.1: General course	Winter 13/14	2.0	5
MSC 42601 Nonlinear Finite Elements	Winter 14/15	3.0	5
MSC 54871 Oral Examination on Numerical Methods in Thermal Fluid Mechanics I	Winter 14/15	3.0	5
TEC 58701 Examination on Biomechanics	Summer 15	2.3	2.5
TEC 72701 Lecture/Tutorial: Multibody Dynamics	Winter 15/16	3.7	5
TEC 72771 Geometric Numerical Integration	Winter 16/17	4.0	5
950103 Numerical Linear Algebra	Summer 17	3.7	7.5

Degree completed:	yes	Degree awarded:	Master of Science
Date of last examination:	15 December 2017	Abbreviated notation:	M.Sc.

Erlangen, 15 December 2017

Prof. Dr. Marcus Halik
Examinations Committee

Official Seal

In this Transcript of Records, bold entries are modules or module groups, while indented entries are the corresponding examinations or module sections.
The module grades and the overall grade are calculated according to the regulations in the module handbook or in the currently valid examination regulations.

* Summer = summer semester / Winter = winter semester

** Grade scale: 1.0 to 1.2 = pass with distinction - above 1.2 to 1.5 = very good - above 1.5 to 2.5 = good - above 2.5 to 3.5 = satisfactory - above 3.5 to 4.0 = sufficient - (P) = passed (without grade)