

Die Leistungen in den Prüfungsgebieten der Reifeprüfung wurden wie folgt beurteilt:

Prüfungsgebiete	Beurteilung
Deutsch	Befriedigend
Englisch	Gut
Latein	Befriedigend
Mathematik	Befriedigend
Biologie und Umweltkunde	Sehr gut

Teilnahme am Schulversuch Standardisierte kompetenzorientierte schriftliche Reifeprüfung in Deutsch (Überprüfung von Lese- und Schreibkompetenz durch validierte, zentral erstellte Aufgabenstellungen) gemäß SchUG § 78b.

Teilnahme am Schulversuch Standardisierte kompetenzorientierte schriftliche Reifeprüfung in Englisch (Überprüfung von Hörverstehen, Leseverstehen und Sprachverwendung im Kontext durch validierte, zentral entwickelte Aufgaben auf Kompetenzniveau B2 des Gemeinsamen europäischen Referenzrahmens für Sprachen) gemäß SchUG § 78b.

Er hat eine vertiefende Schwerpunktprüfung aus Englisch abgelegt.

Er hat damit die Berechtigung für Abgänger eines Gymnasiums mit einem themenbezogenen erweiterten Kurssystem als Wahlpflichtfachsystem (GZ: BMUKK-32.428/0063-I/2/2009) zum Besuch einer Universität gemäß der Universitätsberechtigungsverordnung erworben.

Republik Österreich

Graz, am 12. Juni 2013

Für die Prüfungskommission:

F. Fischelschweiger

Dir. Ostr. Mag. Friedrich FISCHELSCHWEIGER
Vorsitzender



H. Kribitz

Dir. Mag. Hildegard KRIBITZ
Schulleiterin

Prof. Mag. Peter Gartlgruber

Prof. Mag. Peter GARTLGRUBER
Klassenvorstand

Beurteilungsstufen: Sehr gut, Gut, Befriedigend, Genügend, Nicht genügend

DEGREE CERTIFICATE

We, the undersigned Dean of the Faculty of Computer Science and Mathematics and the Chairperson of the Board of Examiners certify, that

Lorenz Maria Hofmann-Wellenhof,
born on 21 November 1994 in Graz,

has duly completed the coursework and assessments prescribed by the study and examination regulations for the degree programme

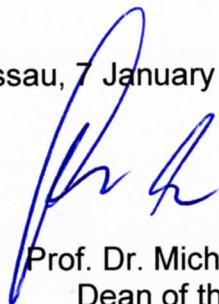
M.Sc. Computer Science,

achieving an overall average mark of
1,8 (good)

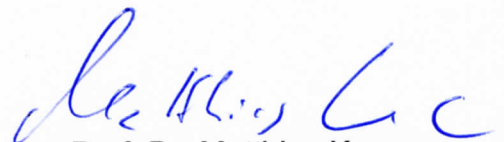
and is thus awarded the academic degree of

Master of Science (M.Sc.).

Passau, 7 January 2020



Prof. Dr. Michael Granitzer
Dean of the Faculty



Prof. Dr. Matthias Kranz
Chairperson of the Board of Examiners

Mailing address

Mr
Lorenz Hofmann-Wellenhof
Schwarzbauerweg 3
8043 Graz

Date of birth: 1994-11-21
Place of birth: Graz,
Matriculation no.: 74823
Current semester: 6

Passau, 20 May 2020

Transcript of Records

European Credit Transfer and Accumulation System (ECTS)

This Transcript of Records only lists modules/assessments which the student has passed.

Issued by: University of Passau, 94030 Passau, Germany

Programme of study: Mobile and Embedded Systems
Degree awarded: Bachelor of Science (B.Sc.)

Examination code	Title of module (unit) (1)	Examin. date (2)	Course duration (3)	Local mark (4)	ECTS grade (5)	ECTS-credits (6)
1000	Degree			1,80	B	181.0
9999	Accumulated credit/grade			1,80	B	181.0
449900	B.Sc. Dissertation	09-25-2017	1S	1,70	B	12.0
440500	Compulsory Modules					149.0
441000	Module group: Applied Computer Science					30.0
405127	Algorithms and Data Structures	07-20-2015	1S	1,70	B	7.0
443010	Principles of Computer Science for Mobile and Embedded Systems	02-02-2015	1S	2,70	C	10.0
443020	Software Engineering for Embedded Systems	07-18-2016	1S	2,00	B	8.0
443030	Programming in Java	07-21-2015	1S	2,30	C	5.0
442000	Module group: Basic Technologies					33.0
405530	Principles of Electrical Engineering	10-07-2015	1S	1,70	B	7.0
442010	Image Processing	07-19-2016	1S	1,30	A	7.0
442020	Sensors and Actuator Technology	02-05-2016	1S	1,70	B	7.0
442030	Pattern Recognition and Time Series Analysis	07-15-2016	1S	2,00	B	6.0

Examination code	Title of module (unit) (1)	Examin. date (2)	Course duration (3)	Local mark (4)	ECTS grade (5)	ECTS-credits (6)
442040	Principles of Human-Computer Interaction	02-29-2016	1S	2,30	C	6.0
443000	Module group: Computer Engineering					25.0
405058	Computer Networks	08-09-2017	1S	2,30	C	7.0
405062	Computer Architecture	07-21-2015	1S	2,70	C	5.0
413151	Computer Engineering	02-09-2015	1S	2,30	C	7.0
433755	Software-Hardware Codesign	02-02-2016	1S	1,00	A	6.0
444000	Module group: Mathematical Foundations					28.0
441010	Mathematics in Technical Systems I	03-31-2015	1S	2,00	B	7.0
441020	Mathematics in Technical Systems II	07-28-2015	1S	2,00	B	7.0
441030	Mathematics in Technical Systems III	02-22-2016	1S	2,00	B	7.0
441040	Foundations of Dynamic Systems	03-01-2017	1S	1,70	B	7.0
445000	Module group: Systems Engineering					14.0
445010	Software Testing	08-07-2017	1S	2,70	C	7.0
445020	Complex Systems Engineering	02-16-2016	1S	2,70	C	7.0
446000	Seminar, Lab and Presentation Modules					19.0
446010	Mobile and Embedded Systems (Lab)	02-01-2017	1S	1,70	B	12.0
446100	Mobile and Embedded Systems (S)	07-19-2016	1S	1,30	A	4.0
448999	Presentation of dissertation topic	--	1S	1,70	B	3.0
447000	Compulsory Elective Modules for Mobile and Embedded Systems					14.0
405025	Text Mining Project	02-10-2017	1S	1,00	A	8.0
431700	Web Engineering	07-28-2016	1S	2,00	B	6.0
448000	Foreign Language and Key Skills Modules					6.0
407558	Transferable Skills for Working in an IT Environment	06-25-2016	1S	2,30	C	3.0
542001	English Intermediate Module 1	01-27-2015	1S	2,70	C	3.0

(1) Title of module (unit): see module catalogue

AS=advanced seminar; C=colloquium; EX=excursion; FC=foundation course; FWk=field work; GradSem=graduate seminar; L=lecture; MC=Master class; PostSem=postgraduate seminar; PracT=practice teaching; RC=reading course; S=seminar; SciEX=scientific excursion; SC=survey course; T=tutorial; W=workshop

(2) Examination date

The date of the examination

(3) Duration of course unit:

Y=1 full academic year; 1S=1 semester; 2S=2 semesters

(4) Description of the institutional grading system: see ECTS grading scale below. Please note that the comma is the decimal separator in the German notation.

(5) ECTS grading scale and corresponding local marks (the comma is the decimal separator):

A=1.0-1.5 Excellent; B=1.6-2.0 Very Good; C=2.1-3.0 Good; D=3.1-3.5 Satisfactory; E=3.6-4.0 Sufficient; FX/F=4.1-5.0 Fail; P=Pass

(6) ECTS credits:

1 semester=30 credits; 1 full academic year=60 credits

This document was created electronically and is valid without the signature of the registrar/dean/administration officer or the official stamp of the institution.

Verification Number: MUbG GtCt B6Gt

Transcripts can be verified from the following URL: <http://qisserver.uni-passau.de>

Mailing address

Mr
Lorenz Hofmann-Wellenhof
Schwarzbauerweg 3
8043 Graz

Date of birth: 1994-11-21
Place of birth: Graz,
Matriculation no.: 74823
Current semester: 5
Passau, 20 May 2020

Transcript of Records

European Credit Transfer and Accumulation System (ECTS)

This Transcript of Records only lists modules/assessments which the student has passed.

Issued by: University of Passau, 94030 Passau, Germany

Programme of study: Computer Sciences
Degree awarded: Master of Science (M.Sc.)

Examination code	Title of module (unit) (1)	Examin. date (2)	Course duration (3)	Local mark (4)	ECTS grade (5)	ECTS-credits (6)
9999	Accumulated credit/grade			1,80	B	121.0
459900	M.Sc. Thesis	01-07-2020	1S	1,30	A	27.0
452000	Module group: Information and Communication Systems					8.0
405025	Text Mining Project	04-24-2018	1S	1,00	A	8.0
453000	Module group: Programming and Software Systems					44.0
405053	Functional Programming	07-17-2018	1S	3,30	D	6.0
405155	Advanced Software Product Development	02-06-2018	1S	2,70	C	6.0
405197	Virtual Machines and Runtime Systems	02-19-2018	1S	3,00	C	6.0
405198	Software Product Line Engineering	07-10-2018	1S	2,30	C	6.0
405281	Practical Parallel Programming	07-11-2018	1S	4,00	E	7.0
405285	Loop Parallelisation	07-23-2018	1S	2,70	C	6.0
453001	Software Engineering II	02-04-2019	1S	1,00	A	7.0
454000	Module group: Intelligent Technical Systems					16.0
405224	Learning Theory	02-04-2019	1S	1,00	A	9.0
442010	Image Processing	04-24-2018	1S	1,30	A	7.0

Examination code	Title of module (unit) (1)	Examin. date (2)	Course duration (3)	Local mark (4)	ECTS grade (5)	ECTS-credits (6)
455000	Module group: IT Security and Reliability					11.0
405157	Wireless Security	02-16-2018	1S	2,70	C	5.0
405390	Advanced IT Security	02-14-2018	1S	2,00	B	6.0
456000	Module groupe: General area					7.0
405016	Software Project Management	02-04-2019	1S	1,00	A	7.0
457000	Compulsory Modules					8.0
450001	Seminar	10-02-2019	1S	1,30	A	5.0
458999	Presentation MSc Thesis	- -	1S	1,30	A	3.0

Dissertation or thesis topic: Software Design Patterns For Machine Learning Workflows

- (1) Title of module (unit): see module catalogue
AS=advanced seminar; C=colloquium; EX=excursion; FC=foundation course; FWk=field work; GradSem=graduate seminar; L=lecture; MC=Master class; PostSem=postgraduate seminar; PracT=practice teaching; RC=reading course; S=seminar; SciEX=scientific excursion; SC=survey course; T=tutorial; W=workshop
- (2) Examination date
The date of the examination
- (3) Duration of course unit:
Y=1 full academic year; 1S=1 semester; 2S=2 semesters
- (4) Description of the institutional grading system: see ECTS grading scale below. Please note that the comma is the decimal separator in the German notation.
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- (6) ECTS credits:
1 semester=30 credits; 1 full academic year=60 credits

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