

Master's Transcript of Records

Transcript of records

(not an official document)

First name	Yifei
Last name	Liu
Student ID number	20-742-250
Regulations	Fachstudent/in UZH 10.09.2002
Date printed	2023.09.01

Key:

Sess.: Examination session; for semester performance the following session (**S14:** Summer 2014, **W14:** Winter 2013/14); **Obt.:** credits obtained; **Req.:** minimum credits required in accordance with the regulations; **Diff.:** credits to be obtained; **Wgt.:** Weight; **pass:** passed; **fail:** failed; **no show:** no show or broken off

		Sess.	Grade	Wgt.	ECTS credits		
					Obt.	Req.	Diff.
Special Students (University of Zurich)					0	0	
Performance Assessments					0	0	
Performance Assessments without Category					48		
151-0854-00 S	Autonomous Mobile Robots	S22	6		5		
263-5806-00 S	Computational Models of Motion	S22	5.75		8		
227-0560-00 S	Deep Learning for Autonomous Driving	S21	5.75		6		
151-0563-01 S	Dynamic Programming and Optimal Control	W22	5.5		4		
151-0660-00 S	Model Predictive Control	S22	5.75		4		
151-0325-00 S	Planning and Decision Making for Autonomous Robots	W22	5.75		4		
263-5210-00 S	Probabilistic Artificial Intelligence	W22	6		8		
151-0566-00 S	Recursive Estimation	S22	5.75		4		
252-0579-00 S	3D Vision	S22	6		5		

ETH Zurich's Grading System and ECTS Grades

The credit system of ETH Zurich is based on the European Credit Transfer Systems (ECTS). Credits are assigned to each learning unit according to the expected student workload. One Credit Point requires an average workload of 30 hours' of student work.

ETH Zurich does not use the ECTS Grading Scheme. The grading scale goes from 1.0 to 6.0 in quarter grade (0.25) steps. The pass grade is 4.0, the maximum grade is 6.0. The numerical grades correspond to the following predicates:

ETH Zurich Grades ¹	
6.0 – 5.75	excellent (ausgezeichnet)
5.5 – 5.25	very good (sehr gut)
5.0 – 4.75	good (gut)
4.5 – 4.25	satisfactory (befriedigend)
4.0	pass (genügend)
3.5	fail (ungenügend)
3.0	poor (schlecht)
2.5	very poor (schlecht bis sehr schlecht)
2.0	extremely poor (sehr schlecht)
1.0	not measurable (nicht messbar)

The above grades are not rigidly related to any distribution function and are not awarded according to predetermined percentages or numerical scores. A student's grade in a subject is more related to the student's mastery of the material than to the relative performance of his or her peers.

The ECTS uses a rank-based grading system. In such a "grading-on-the-curve" system, a student's grading is determined in comparison with the whole group's performance. ECTS grades are assigned among students in such a way that the best 10% of the students with a pass grade receive an A, the next 25% a B, etc.

ECTS Grades ²		
A	excellent	best 10%
B	very good	next 25%
C	good	next 30%
D	satisfactory	next 25%
E	pass	last 10%
FX	fail – some more work required to pass	
F	fail – considerable further work required	

NOTE: Although a linear translation might be attempted between ETH Zurich and ECTS grades, any such translation must be interpreted with caution as an ETH Zurich grade does not imply a ranking in a specific percentile. The above tables can be used to translate the grades of individual courses but must not be used for grade-point averages. The ranking of each graduate of ETH Zurich within their cohort is indicated in their academic record in a separate ranking sheet, which indicates the student's grade-point average as well as the mean and standard deviation of the grade-point averages of the cohort.

¹ Terminology according to ETH Zurich's Diploma Supplement.

² http://ec.europa.eu/education/programmes/socrates/ects/index_en.html



Yifei Liu
Gubelstrasse 58
8050 Zürich

Transcript of Records

Yifei Liu
Born on 23 December 1997
Student ID No. 20-742-250

NEW: The authenticity of the original downloaded transcript of records can be verified digitally at <http://verify.uzh.ch/en>.

Enrollment for Spring Semester 2023

Faculty of Business, Economics and Informatics

Degree Program Master of Science UZH in Informatics (RVO22)
Major 90 Data Science
Minor 30 Informatics

Academic Achievement

Module Designation	Module Title	Status	Ext.	ECTS Credits	Grade
Spring Semester 2023					
03SM22MA_INF	Masterarbeit in Informatics (Master's Thesis in Informatics) Improving Vision Transformers by Incorporating Spatial Priors and Sparse Computation	Successful		30.0	6.0
Spring Semester 2022					
03CWETH00213	ETHZ: Autonomous Mobile Robots	Successful	x	5.0	6.0
03CWETH00221	ETHZ: 3D Vision	Successful	x	5.0	6.0
03CWETH00251	ETHZ: Computational Models of Motion	Successful	x	8.0	5.75
03CWETH00275	ETHZ: Recursive Estimation	Successful	x	4.0	5.75
03CWETH00328	ETHZ: Model Predictive Control	Successful	x	4.0	5.75
03SM22MI4000	Masterprojektarbeit in Informatik (Master's Project in Informatics) Efficient Spatio-Temporal Processing of Event Data	Successful		15.0	5.75
03SMMINF4577	Introduction to Reinforcement Learning (L&E)	Successful		3.0	5.75
Fall Semester 2021					
03CWETH00141	ETHZ: Dynamic Programming and Optimal Control	Successful	x	4.0	5.5
03CWETH00241	ETHZ: Probabilistic Artificial Intelligence	Successful	x	8.0	6.0
03CWETH00291	ETHZ: Planning and Decision Making for Autonomous Robots	Successful	x	4.0	5.75



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Academic Achievement

Module Designation	Module Title	Status	Ext.	ECTS Credits	Grade
03SMMINF5562	Seminar: Blockchain Programming (MSc)	Successful		3.0	5.5
06SM521-501	Advanced Techniques of Machine Translation	Successful		6.0	6.0
Spring Semester 2021					
03CWETH00222	ETHZ: Deep Learning for Autonomous Driving	Successful	x	6.0	5.75
03SMAINF1169	Informatics II (V+Ü) (Informatik II)	Successful		6.0	6.0
03SMAINF1170	Foundations of Computing I (L+E) (Formale Grundlagen der Informatik I)	Successful		6.0	6.0
03SMBMINF002	Computer Graphics (L)	Successful		3.0	5.5
03SMMINF4217	XML and Databases (L)	Successful		3.0	5.75
03SMMINF4538	Big-Data Analytics (L+E)	Successful		3.0	5.5
03SMMINF4568	Deep Learning (L+E)	Successful		6.0	6.0
Fall Semester 2020					
03SMBMINF014	Randomized and Online Algorithms (L)	Successful		6.0	6.0
03SMDINF2039	Vision Algorithms for Mobile Robotics (L+E)	Successful		6.0	6.0
03SMMINF4566	Foundations of Data Science (L+E)	Successful		6.0	5.5
06SM521-505	Machine Learning for Natural Language Processing 1	Successful		6.0	6.0
Total ECTS Credits Earned				156.0	
+++	+++	+++	+++	+++	+++
+++	+++	+++	+++	+++	+++
+++	+++	+++	+++	+++	+++



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Notes on Evaluation of Academic Achievement

Grades for assessments are given on a scale of 1 to 6. The highest grade is 6, the lowest 1. Grades awarded in half-grade increments are the norm; quarter-grade increments are possible. An assessment receiving a grade of 4 or higher is deemed passed. Ungraded assessments are marked on a «Pass»/«Fail» basis, «Fulfilled»/«Not Fulfilled», «Attended» or with a w (Module in Progress). ECTS credits are awarded if an assessment is marked Pass or given a grade of 4 or higher. Credits can only be awarded for an entire module; partial credit is not given.

If the status is «Successful», the module has been passed and ECTS credits have been awarded. «Not Successful» means either that the module was not passed but the assessment may be repeated, or that the module was definitively failed and no ECTS credits were awarded. Module in progress signifies that a module lasts two semesters and that only the first semester was completed at the time the Transcript of Records was issued.

Additional Notes on Evaluation of Academic Achievement:

For Academic Achievement at the Faculty of Business, Economics and Informatics, Master of Science UZH in Informatics (RVO22)

No additional notes on evaluation of academic achievement.

Appeals/Right to Appeal

Newly listed entries on this Transcript of Records are subject to appeal at the responsible office of the faculty concerned. The appeal must be submitted in writing and include a petition for rectification naming the grounds for the appeal as well as a signature.

Appeals may only be made to correct violations of the law, violations of administrative regulations, or calculation and transcription errors. Objections of inappropriate evaluation are excluded. The decision on the appeal is subject to appeal at the Appeals Commission of the Universities of the Canton of Zurich.

Appeals must be submitted within 30 days of receiving the German version of the Transcript of Records to:

For Academic Achievement at the Faculty of Business, Economics and Informatics

Faculty of Business, Economics and Informatics
University of Zurich
Dean's Office
Rämistrasse 71
CH-8006 Zurich

Bachelor's Diploma

University of Science and Technology of China

It is hereby certified that
after having satisfied all the requirements of the University

Liu Yifei

was on 18 June 2020 admitted to the degree of
Bachelor of Natural Science
in Mathematics and Applied Mathematics



NO.1035842020000530

A handwritten signature in black ink, reading 'Bao Xinhe'.

President Bao Xinhe

Bachelor's Transcript of Records



中国科学技术大学

University of Science and Technology of China

Scholastic Record of University of Science and Technology of China

学业成绩表

Reg.NO: PB16011530		Name: Liu Yifei		Gender: Male		Date of Birth: 19971223			
Enrl Date: 20160901		Dep Date:		E.S: 4					
School: School of Mathematical Sciences									
Major: Mathematics and Applied Mathematics				All Curriculum GPA: 3.51					
Term	Course Title	Gr.	Hrs.	Cr.	Term	Course Title	Gr.	Hrs.	Cr.
2016FA	Analytic Geometry	79	80	4	2016FA	Foundation of Algebra	80	60	3
2016FA	College English Viewing, Listening and Speaking (Band 2)	87	20	1	2016FA	Military Theory	Pass	40	1
2016FA	Basic Sports	B	40	1	2016FA	Ideological and Moral Cultivation and Basics of Law	75	60	3
2016FA	College English for Reading & Writing (Intermediate)	90	40	2	2016FA	Mathematical Analysis A1	80	120	6
2016FA	Computer Programming A	82	100	4	2017SP	College English Viewing, Listening and Speaking (Band 3)	82	20	1
2017SP	Linear Algebra A1	76	100	5	2017SP	Fundamentals of Marxism	84	60	3
2017SP	Data Structures and Database	85	90	3.5	2017SP	Mathematical Analysis A2	80	120	6
2017SP	Mechanics and Thermal Physics	81	80	4	2017SP	College English for Reading & Writing (Advanced)	83	40	2
2017SP	College Physics Experiment I	84	60	1.5	2017SP	Freshman Seminar	B	20	1
2017SP	Soccer I	B+	40	1					
2017FA	College English Viewing, Listening and Speaking (Band 4)	76	20	1	2017FA	Badminton II	A-	40	1
2017FA	Electromagnetism B	88	80	4	2017FA	An Outline of Modern and Contemporary Chinese History	84	40	2
2017FA	College Physics Experiment II	82	60	1.5	2017FA	Differential Equations I	90	80	4
2017FA	Linear Algebra A2	93	80	4	2017FA	Mathematical Analysis A3	90	80	4
2017FA	A Guide to Japanese Art	A	40	2	2018SP	Probability Theory	78	80	4
2018SP	Real Analysis	96	80	4	2018SP	Complex Analysis	82	80	4
2018SP	Introduction to Chinese Important Thoughts	88	60	3	2018SP	Optics and Atomic Physics	80	80	4
2018SP	Mod. Japan Language and Culture(Elementary)	A-	80	4	2018SP	Modern Algebra	89	80	4
2018SP	College English Viewing, Listening and Speaking (Band 5)	77	20	1	2018SU	Introduction to Pure Mathematics	Pass	20	1
2018FA	Mathematical Statistics	90	80	4	2018FA	Functional Analysis	78	80	4
2018FA	Differential Geometry	82	80	4	2018FA	Mathematical Software	A	40	2
2019SP	Time Series Analysis A	85	80	3.5	2019SP	Applied Stochastic Processes	87	80	4
2019SP	Table Tennis II	A-	40	1	2019SP	Regression Analysis	78	80	4
2019SP	EST (English For Specific Tasks) Comprehensive Reading and Writing	Pass	40	2	2019SU	Lectures on Classic Readings	Pass	20	1
2020SP	German Language and Culture(Intermediate)	A+	80	4	2019FA	Computer Networks	94	80	3.5
2019FA	Operating System(EN)	95	80	3.5	2019FA	Combinatorics	85	80	4
2019FA	German Language and Culture(Elementary)	A+	80	4	2019FA	Situation and Policy	Pass	20	1
2019FA	Practicum in Ideological and Political Theories	Pass	120	3	2019FA	The Protestant Ethic and the Spirit of Capitalism	B	40	2
2019FA	*Collegiate Psychology	B+	40	2					
Graduation Thesis		Name: Research on Patient Fall Recognition based on Deep Learning			Supervisor: Zhang xinning		A	8	2020SP

Note:(H) represents the curriculum of Honors;FA:Fall SP:Spring SU:Summer

GPA Calculation:

Centesimal Grade:100~95 94~90 89~85 84~82 81~78 77~75 74~72 71~68 67~65 64~63 61~60

Letter Grade: A+ A A- B+ B B- C+ C C- D+ D D-

Point Value: 4.3 4 3.7 3.3 3 2.7 2.3 2 1.7 1.5 1.3 1 0.7 0.5 0.3

$\Sigma(\text{Course Credit} \cdot \text{Course GP})$

$\Sigma \text{Course Credit}$



Undergraduate Education Office
University of Science and Technology of China

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