



NATIONAL UNIVERSITY
of SINGAPORE

OFFICIAL TRANSCRIPT

NAME: LIU CHAOWEI

STUDENT NO.: A0263758N

DATE OF BIRTH: 03/12/1999

DATE ISSUED: 03/01/2023

PROGRAMME: MASTER OF SCIENCE (COMPUTER ENGINEERING)

PROGRAMME STATUS: ACTIVE IN PROGRAMME

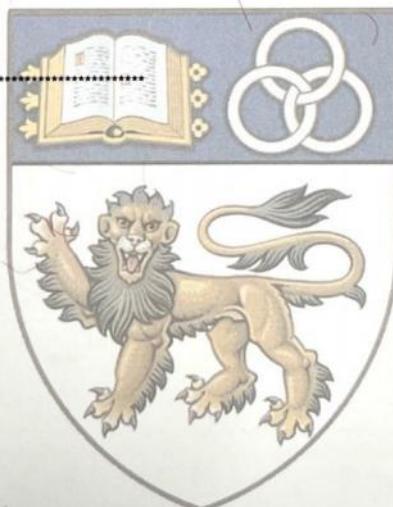
MODULE	GRADE	CREDITS
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ACADEMIC YEAR 2022/2023 SEMESTER 1

CEG5003	COMPUTER ENGINEERING PROJECT	IP	8.00
CEG5201	HARDWARE TECHNOLOGIES, PRINCIPLES, & PLATFORMS	A+	4.00
CEG5205	AI SENSORS AND VIRTUAL/AUGMENTED REALITY TECHNOLOGIES	A	4.00
EE4309	ROBOT PERCEPTION	B+	4.00
EE5731	VISUAL COMPUTING	A-	4.00

MASTER OF SCIENCE (COMPUTER ENGINEERING)
CUMULATIVE AVERAGE POINT: 4.63

*****END OF TRANSCRIPT*****



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OFFICIAL TRANSCRIPT

Name: Liu Chaowei

Gender: Male

Date of Birth: 1999-12-03

Student ID: U2101053

Date of Issue: 2022-05-24

Programme: NUS ECE/NUSRI/Harbin Institute of Technology, Shenzhen

"3+1+1" Educational Framework

Programme Status: Active

ACADEMIC YEAR 2021/2022

MODULES		MARKS	CREDITS
GE4000	Scientific writing and communication in English	92.00	4
GE4100	Science, Technology & Entrepreneurship Seminars	P	4
EE4400	Microwave Communications	91.20	4
EE4408	Machine Learning: Models and Applications	86.80	4
EE4600	Final Year Project	90.80	20
Data Augmentation for Graph Neural Networks			

Average Mark: 90.20

Remark

- 1) The Full mark is 100
- 2) ECE : Electrical and Computer Engineering
- 3) P: Pass
- 4) W: Withdraw the module over the deadline

NUS (Suzhou) Research Institute





哈爾濱工業大學(深圳)

HARBIN INSTITUTE OF TECHNOLOGY, SHENZHEN

学生成绩单

Student's Academic Transcript

Name: LIU Chaowei
Student ID: 180210214
Entrance Time: August 2018

Program: Undergraduate
School: School of Electronics and Information Engineering
Major: Communication Engineering

Term	Course	Hours	Credits	Score	Term	Course	Hours	Credits	Score
18-19/ Fall	Advanced Computer Language Programming	48	3	84	18-19/ Summer	Chinese entrepreneurs and China business knowledge	16	1	74
	English Listening and Speaking	32	2	77		Appreciation of Shakespearian Plays	32	2	92
	Ideological and Moral Self-cultivation & Fundamentals of Law	48	3	85		Life-caring: First Aid and Self-rescue Skills	28	2	63
	Physical Education A	32	1	83		Cognition Practice	1 周	1	80
	Linear Algebra and Analytic Geometry	64	4	78		An Introduction to Sociology	32	2	71.8
	Wisdom of Business Ethics and Decision Making Between East and West	28	2	76		Probability Theory and Mathematical Statistics	40	2.5	92.2
	Advanced Mathematics A	80	5	87		Speech and communication	16	1	82
	Military Training and Theories	3 周	3	83		Entrepreneurship 101: Who is your customer?	16	1	81
	Image post-production expertise	32	2	74		Analog Electronic Techniques Experiments	24	1	92
	Introduction to Biomedical Engineering Technology	24	1.5	70		Fundamentals of Analog Electronics	56	3.5	85.6
	Entrepreneurship 102: What can you do for your customer?	16	1	68		College Physics IB	64	4	93
	Essentials of life science	32	2	62		Functions of Complex Variable and Integral Transforms	40	2.5	91
18-19/ Spring	Electric Circuit Experiments II	12	0.5	87	19-20/ Spring	Physical Education C	32	1	84.1
	English Reading & Writing	32	2	71		Physics Lab IA	33	1.5	74.4
	University Chinese	32	2	88		Introduction to Mao Zedong Thought and Theoretical System of Socialism with Chinese Characteristic A	32	2	89
	Advanced Mathematics B	80	5	84		Aesthetics and Life	28	2	100
	Modern Chinese History	48	3	79		Introduction to Mao Zedong Thought and Theoretical System of Socialism with Chinese Characteristic B	32	2	87.9
	College Physics IA	64	4	70		Signals and Systems	48	3	87.4
	Electric Circuit II	64	4	79		Introduction to Communication Engineering	32	2	87.5
	Fundamentals of Computer	32	2	81		Radio Frequency Electronic Circuits Experiments	24	1	94
	Physical Education B	32	1	86		Physical Education D	32	1	94.6
	Cities and Everyday Life	16	1	84		Radio Frequency Electronic Circuits	48	3	88.95
	The Dunhuang Art Appreciation	16	1	83		Mathematical Physics Equations	32	2	75
	Introduction to Chinese Historical Geography	28	2	64		Fantastic Bionics	28	2	97

Director: Ning Zhu

Department of Academic Affairs
Harbin Institute of Technology, Shenzhen

学生证明专用章
Print Date: 2021-09-08



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HARBIN INSTITUTE OF TECHNOLOGY, SHENZHEN

学生成绩单

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Student ID: 180210214
Entrance Time: August 2018

Program: Undergraduate
School: School of Electronics and Information Engineering
Major: Communication Engineering

Term	Course	Hours	Credits	Score	Term	Course	Hours	Credits	Score
19-20/ Summer	Experiments for Signals and Systems	24	1	84	20-21/ Summer	Information and Coding Theory	48	3	95
	Mathematical Programming	48	3	91.7		Creative Thinking and Innovative Approaches	32	2	100
	Psychology of Intercultural Communication	32	2	97		Entrepreneurship Theory and Practice for College Students	30	2	97
	Practical course of Introduction to Mao Zedong Thought and Theoretical System of Socialism with Chinese Characteristic	16	1	88		Visible Light Communications	32	2	85
	The Basic Principle of Marxism	48	3	81.5		Random Signal Analysis	48	3	88
	Physics Lab IB	30	1	81.0		Project Design B: Basic Design for Signal Processing	2 周	2	92
	Engineering Training (Electronic Engineering)	2 周	2	85		FPGA Design and Application	48	2	84
20-21/ Fall	Communication Circuit Design	2 周	2	84.2		----Following is Blank----			
	Pattern Recognition	32	2	85					
	Principles of Communication	48	3	85					
	Digital Signal Processing Experiments	24	1	84					
	Digital Electronic Techniques Experiments	24	1	89					
	Electromagnetics	56	3.5	84					
	Experiments of Communication Principles	24	1	88					
20-21/ Spring	Digital Signal Processing	48	3	87					
	English for International Communication	32	2	100.0					
	Digital electronic technology foundation	56	3.5	92.0					
	Situation and Policy	32	2	86.5					
	Information and Coding Theory Experiments	24	1	98					
	Image Processing	32	2	90					
	Communication System Simulations	48	2	91					
	Communication Networks	48	3	94					
	Mobile Communication	48	3	82					
	Critical Thinking and Innovation	28	2	100					

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Department of Academic Affairs
Harbin Institute of Technology, Shenzhen
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