

MASTER DEGREE CERTIFICATE

It is hereby certified that HU JIAYU, Male, born on December 28, 1995, passed the examinations in the required subjects and the thesis defence for master's degree in Engineering(Hydraulic Engineering) in Sun Yat-sen University, satisfied the requirements of The Academic Degree Regulations of The People's Republic of China, has this day been awarded to the Degree of MASTER OF ENGINEERING.

LUO JUN

President

Sun Yat-sen University

Date: June 17, 2019

Certificate No.:1055832019002417

Graduate School, Sun Yat-sen University Signature:

Tel: 86-20-84111687

Fax: 86-20-84112545

Email: yypyc@mail.sysu.edu.cn



Yu Bimankang

POSTGRADUATE STUDY DIPLOMA

Name: HU JIAYU

Sex: Male

Date of Birth: December 28, 1995

Nationality: P. R. China

Being a postgraduate student from August, 2017 to June, 2019 in the two-year program in Engineering (Hydraulic Engineering) of this university and having successfully completed the studies for Master degree, the above mentioned HU JIAYU is hereby duly graduated.

LUO JUN

President

Sun Yat-sen University

Date: June 15, 2019

Diploma No.: 105581201902002291

Graduate School, Sun Yat-sen University

Tel: 86-20-84111687

Fax: 86-20-84112545

EMAIL: yypyc@mail.sysu.edu.cn



Date Issued: October 21, 2020



Diploma Certificate

This is to certify that **HU JIAYU** (Male, born on **December 28th, 1995**), has studied in the **School of Civil Engineering & Transportation**, specializing in **Water Resources and Hydropower Engineering** from **September, 2013** to **June, 2017**. He passed all the required courses of the **four-year** undergraduate program.

Wang Yingjun

President

South China University of Technology

Diploma NO: 105611201705000805

Date of issue: Jun 30, 2017





SOUTH CHINA UNIVERSITY OF TECHNOLOGY

In compliance with
**"The Regulations of the People's Republic of China
on Academic Degrees"**

Hereby confers upon

HU JIAYU

(Born in Dec. 1995)

The Degree of

BACHELOR OF ENGINEERING

in

Water Resources and Hydropower Engineering

In recognition of his successful completion of the
Programmed courses

President

Wang Yingjun

Chairman.

Wang Yingjun

Academic Degrees Evaluation Committee

Date of the Degree Conferred: Jun. 30, 2017

Certification No: 1056142017000805



中山大学研究生成绩单

SUN YAT-SEN UNIVERSITY GRADE TRANSCRIPTS

姓名:胡家昱 Name:HU JIAYU

学号 Student ID: 17213476 出生日期 Date of Birth:1995/12/28

培养层次:硕士 Degree: Master

在校学习时间 Study period:2017/8 - 2019/6

学院:地理科学与规划学院 Department: School of Geography and Planning

专业:工程(水利工程) Major: Master of Engineering(Hydraulic Engineering)

学籍状态:毕业 Postgraduate Student Status: Graduate

课程名称 Course	课程属性 Attribute*	学时 Hours	学分 Credits	成绩 Scores
基础英语 English	必修 R	54	3.0	80
信息检索 Information Retrieval	必修 R	36	2.0	89
知识产权 Intellectual Property	必修 R	36	2.0	76
流体力学 Fluid Mechanics	必修 R	36	2.0	88
产汇流原理 Theory of Runoff Generation and Concentration	必修 R	36	2.0	95
专业英语 English for Water Science	必修 R	36	2.0	95.00
工程综合实践 Engineering Practice	必修 R	72	4.0	95
中国特色社会主义理论与实践研究 Research on the Theory and Practice of Socialism with Chinese Characteristics	必修 R	36	2.0	70
马克思主义与社会科学方法论 Marxism and The Methodology of Social Science	必修 R	18	1.0	82
概念性水文模型 Conceptual Hydrological Models	选修 E	36	2.0	91
水资源系统分析与规划 Planning and System Analysis of Water Resources	选修 E	36	2.0	95
水环境规划(含课程实习) Water Environment Planning	选修 E	36	2.0	87
地下水动力学 Groundwater Dynamic	选修 E	36	2.0	83
城市水务(含课程实习) urban water affairs	选修 E	36	2.0	91

【以下空白】

应修总学分 Total Credit Required: 30

已修总学分 Total Credit Obtained: 30.0

学位论文题目: 基于小波神经网络模型的河口区盐水入侵预测研究

Title of Thesis: Study of Estuarine Salinity Prediction Based on Wavelet Artificial Neural Network

学位论文通过与否 P/NP: 通过 P

REMARKS:

- On October 26, 2001, Zhongshan University and Sun Yat-sen University of Medical Sciences merged into the present Sun Yat-sen University.
- Grading system of test: (1) A(Excellent)=90-100; B(Good)=80-89; C(Satisfactory)=70-79; D(Pass)=60-69; E(Fail)=0-59. (2) P(pass)=60-100; F(Fail)=0-59.
- Results of thesis defense: P - Pass; NP - Not Pass.
- * R- required;E-electives.

Graduate School,Sun Yat-sen University

Tel: 86-20-84111687

Fax: 86-20-84112545

EMAIL: yypyc@mail.sysu.edu.cn

Signature:





华南理工大学
SOUTH CHINA UNIVERSITY OF TECHNOLOGY

教务处

联系电话/tel: +86-20-87111492

传真/fax: +86-20-87110726

邮箱/e-mail: j2jw@scut.edu.cn

CERTIFICATION

Name of Student: **HU JIAYU**

Gender: **Male**

Date of Birth: **28/12/ 1995**

PERCENTILE WEIGHTED AVERAGE

This is to certify that Mr. HU JIAYU's weighted average was 86.09 at the end of his eighth semester in the 100-mark-grading system, in the speciality of Water Resources and Hydropower Engineering , School of Civil Engineering and Transportation .

Grading System:

Score	Grade
90-100	A
80-89	B
70-79	C
60-69	D
0-59	E

The Registrar's Office
South China University of Technology
4 July 2018





华南理工大学
SOUTH CHINA UNIVERSITY OF TECHNOLOGY

教务处

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邮箱/e-mail: j2jw@scut.edu.cn

CERTIFICATION

Name of Student: HU JIAYU

Gender: Male

Date of Birth: 28/12/1995

RANK IN SPECIALITY

This is to certify that Mr. HU JIAYU exactly ranked 3 from the top in the speciality of Water Resources and Hydropower Engineering, School of Civil Engineering & Transportation among 53 students at the end of his eighth semester.

GRADE POINT AVERAGE

This is to certify that Mr. HU JIAYU's cumulative grade point average was 3.68 at the end of his eighth semester with a scale of 4.

The Registrar's Office
South China University of Technology
3 July 2018





华南理工大学本科学士出国成绩单

South China University of Technology Undergraduate Transcript for Overseas Study

Major Curriculum

College: School of Civil Engineering & Transportation

Speciality: Water Resources and Hydropower Engineering

Schooling Period: 4 years

Enrollment Date: 2013.09

Student No: 201330190120

Name: HU JIAYU

Names of course	Attrib	TCH	CR	Mark	Names of course	Attrib	TCH	CR	Mark
2013-2014 1st term					Practice of Engineering of Highway	RC	1W	1.0	A
Military Training	RC	3W	3.0	B	Introduction Practice	RC	1W	1.0	A
Descriptive Geometry & Architecture Drawing (1)	RC	48	3.0	72	Principles of Economics	GE	32	2.0	78
Introduction to Hydraulic Engineering	RC	18	1.0	89	Introduction of the Marxism Basic Principle	RC	48	3.0	92
Calculus(1)	RC	80	5.0	93	Physical Education (4)	RC	32	1.0	78
Linear Algebra & Analytic Geometry	RC	48	3.0	91	Ancient Western Literature	GE	32	2.0	84
Ideological & Moral Cultivation and Introduction to Law	RC	48	3.0	79	2015-2016 1st term				
College English (1)	RC	64	4.0	85	Hydraulics (II)	RC	40	2.5	96
Foundations of Computer	RC	40	2.0	75	Steel Concrete Structures in Hydraulic Engineering	RC	64	4.0	89
General Chemistry I	RC	32	2.0	79	Water Resources Planning and Utilization	RC	48	3.0	88
Physical Education (1)	RC	32	1.0	84	Design of Steel Concrete Structures in Hydraulic Engineering	RC	1W	1.0	B
2013-2014 2nd term					Soil Mechanics	RC	48	3.0	90
Military Principle	RC	16	1.0	77	2015-2016 2nd term				
Descriptive Geometry & Architecture Drawing(2)	RC	32	2.0	83	Rock Mechanics	EC	24	1.5	72
Theoretical Mechanics I	RC	64	4.0	88	Foundation Engineering	RC	32	2.0	98
Probability & Mathematical Statistics	RC	48	3.0	73	Steel Structures of Hydraulic Engineering	RC	32	2.0	96
Calculus(2)	RC	80	5.0	97	Course Design of Hydraulic Building	RC	2W	2.0	D
General PhysicsIII(1)	RC	64	4.0	91	Course Design of Water Resources Planning and Utilization	RC	1W	1.0	88
College Physical Experiment (I)	RC	32	1.0	D	Theory of Elasticity	EC	32	2.0	96
An Outline of Chinese Near Past and Contemporary History	RC	24	2.0	88	Hydraulic Building	RC	72	4.5	93
College English (2)	RC	64	4.0	79	The Development of Hydraulic and Hydropower Engineering and Personal Career Planning	EC	16	1.0	B
Programming in Visual Basic	RC	56	3.0	82	CAD for Hydraulic Engineering	EC	24	1.5	87
General Chemistry Experiments	RC	16	0.5	B	Entrepreneurship Management	GE	32	2.0	78
Physical Education (2)	RC	32	1.0	87	Analysis of the Situation & Policy	RC	128	2.0	88
2014-2015 1st term					Academic Writing	GE	32	2.0	64
Codes of Construction	EC	24	1.5	85	2016-2017 1st term				
Practice of Engineering Measurement	RC	2W	2.0	A	Public Service	RC	1W	1.0	Pass
Engineering Survey	RC	48	3.0	88	Hydroelectric Power Station	RC	64	4.0	83
Mechanics of Materials II	RC	72	4.5	71	Hydraulic Engineering: Design Project	RC	1W	1.0	B
Introduction to the Conservation of Water Environment and Ecology	RC	24	1.5	80	Hydroelectric Construction	RC	56	3.5	80
Fundamentals of Electrical Engineering	RC	40	2.5	81	Project of Hydroelectric Power Station	RC	2W	2.0	A
General Physics III(2)	RC	64	4.0	92	Safety Monitoring of Hydraulic Building	EC	16	1.0	95
College Physical Experiment (II)	RC	32	1.0	A	Engineering Project Management	EC	32	2.0	85
An Introduction to the Thought of Mao Zedong and Theory of Socialism with Chinese	RC	96	6.0	88	Practice on Diploma Project	RC	3W	3.0	B
Physical Education (3)	RC	32	1.0	86	Hydraulic Special Subject	EC	32	2.0	95
2014-2015 2nd term					An Advanced View—Listen-Speak English Course	GE	32	2.0	74
Materials for Civil Engineering	RC	48	3.0	88	2016-2017 2nd term				
Hydraulics(I)	RC	48	3.0	83	Diploma Project	RC	15W	15.0	B
Applied-Hydrology	RC	32	2.0	82	Course Design of Engineering Hydrology	RC	2W	2.0	A
Hydraulic Engineering Economics	EC	24	1.5	74	Blank below				
Structural Mechanics	RC	72	4.5	87					
Budget for the Project	EC	24	1.5	88					
Engineering Geology	RC	32	2.0	95					

Remarks:

Zhao Hongru
教务处处长签字:

Dean of The Registrar's Office:



Record Seal of The Registrar's Office:

打印日期 2018-07-03

Date: