



浙江大学研究生院  
攻读硕士学位研究生成绩表

学号: 22213014	姓名: 郑元浩	性别: 男		
院系: 生物系统工程与食品科学学院	学科: 农业电气化与自动化	学制: 3.0		
毕业应获最低学分/已获学分: 24.0 / 29.0 学分	课程学分是否修读完毕: 是			
入学年月: 2022年09月	毕业年月: 2025年06月			
学位证书号: 1033532025131011	毕业证书号: 103351202502130012			
授予学位类型: 学术学位	授予学位时间: 2025年06月			
学习时间	课程名称	学分	成绩	课程性质
2022-2023学年秋季学期	生物系统检测与控制技术	2.0	93	专业选修课
2022-2023学年秋季学期	管理信息系统	2.0	91	专业选修课
2022-2023学年冬季学期	新时代中国特色社会主义理论与实践	2.0	88	公共学位课
2022-2023学年冬季学期	Visual C++	2.0	89	专业选修课
2022-2023学年冬季学期	精细农业技术专题	2.0	88	专业学位课
2022-2023学年春季学期	微机接口与测控技术	2.0	85	专业学位课
2022-2023学年春季学期	农业与生物系统工程新技术专题	2.0	76	专业学位课
2022-2023学年春季学期	自然辩证法概论	1.0	82	公共学位课
2022-2023学年春季学期	现代控制理论	2.0	96	专业学位课
2022-2023学年夏季学期	研究生英语能力提升	1.0	免修	公共学位课
2022-2023学年夏季学期	农业系统模型与大数据分析	2.0	93	专业选修课
2022-2023学年夏季学期	生物系统工程分析	2.0	98	专业选修课
2022-2023学年夏季学期	研究生英语基础技能	1.0	免修	公共学位课
2022-2023学年夏季学期	科技论文写作与专业英语	2.0	81	专业学位课
2022-2023学年夏季学期	高级健康心理学	2.0	通过	专业学位课
	硕士生读书报告	2.0	通过	
-----结束-----				
学位论文题目	基于可见/近红外光谱特征协同与信息增强的圣女果内部品质无损检测方法研究			

说明:

- 1.研究生课程按三种方法计分: 百分制, 两级制(通过、不通过), 五级制(优、良、中、及格、不及格)
- 2.成绩中“\*”表示重修课程
- 3.研究生成绩目前不计算平均学分绩点(GPA)
- 4.从1998年9月15日开始, 浙江大学、杭州大学、浙江农业大学、浙江医科大学四校合并为浙江大学

防伪验证



浙江大学研究生院  
Graduate School of Zhejiang University  
2025/06/29  
研究生院  
证明专用章



**Transcript for Master Degree Graduate Student of Zhejiang University  
Graduate School**

Student ID: 22213014	Name: Zheng Yuanhao	Sex: Male	
College/Dept: College of Biosystems Engineering and Food Science	Specialty: Agricultural Electrification and Automation	Years of Program: 3.0	
Credits Required for Graduation/Credits Obtained: 24.0/29.0	Whether the course credits have been completed: Yes		
Date of Entrance: September 2022	Graduation Date: June 2025		
Degree Certificate No.: 1033532025131011	Diploma Certificate No.: 103351202502130012		
Degree Type: Academic Degree	Degree Granted: June 2025		
Period of Time	Name of Course	Credit	Score
2022-2023,Autumn	Bio-systems Detection and Control Technologies	2.0	93
2022-2023,Autumn	Management Information System	2.0	91
2022-2023,Winter	Study on the Theory and Practice of Socialism with Chinese Characteristics on new era	2.0	88
2022-2023,Winter	Visual C++	2.0	89
2022-2023,Winter	Special Topic of Precision Farming Technology	2.0	88
2022-2023,Spring	Microcomputer Interface and control Technology	2.0	85
2022-2023,Spring	New Technology Topics of Agriculture and Biosystems Engineering	2.0	76
2022-2023,Spring	Dialectics of Nature	1.0	82
2022-2023,Spring	Modern Control Theory	2.0	96
2022-2023,Summer	English Communication Skills	1.0	Exempt
2022-2023,Summer	Agricultural Systems Modeling and Big Data Analytics	2.0	93
2022-2023,Summer	Engineering Analysis of Biological System	2.0	98
2022-2023,Summer	English Language Proficiency Test	1.0	Exempt
2022-2023,Summer	How to Write a Scientific Paper	2.0	81
2022-2023,Summer	Senior Health Psychology	2.0	P
	Reading Report	2.0	P
-----End-----			
Thesis Topic	Nondestructive detection of cherry tomato internal quality using Vis/NIR spectral feature synergy and information enhancement		

- Three grade systems are used simultaneously in Zhejiang University Graduate School, specifically as follows: (1) The Percentage System: Above 60 is Passing, 100 is Full Mark; (2) Two Degrees Grading: Pass(P), or Fail(F); (3) Five degree grading: Excellent(A), Good(B), Fair(C), Passing(D), Failed(E);
- \*\*\* denotes retake course
- Grade Point Average is not considered
- From Sept.15th, 1998, Zhejiang University, Hangzhou University, Zhejiang Agriculture University and Zhejiang Medical University merge into Zhejiang University.

VERIFICATION



浙江大學研究生院  
Graduate School of Zhejiang University  
2025/06/29  
研究生院  
证明专用章

# 浙江大学学生成绩一览表

登记号: 20194888

姓名: 郑元浩	院系: 生物系统工程与食品科学学院						专业: 食品科学与工程						学号: 3170100135		
性别: 男	生日: 1998年10月12日			出生地点: 山东			入学日期: 2017年09月01日			毕业日期: 2021年06月30日			学制: 4年		
2017-2018学年			C程序设计			3.0	73	赛艇(中级)		1.0	92	20世纪世界文学研究		2.0	85
第1学期课程	学分	成绩	2018-2019学年			食品化学与分析实验		1.5	86	中国古代文学史II		3.0	95		
军训	2.0	68	第1学期课程		学分	成绩	食品微生物学		3.0	86	乒乓球(初级班)		1.0	95	
传记体式叙述研究	1.5	88	仪器分析		1.5	81	普通生物学及实验		4.0	89	数字音视频基础与制作		2.0	95	
美学概论	1.5	89	博弈论基础		1.5	89	发酵工艺学		2.0	95	食品营养学		2.0	83	
大学英语III	3.0	74	生物化学及实验(丙)		4.0	72	食品化学与分析		3.0	62	食品毒理学		2.0	71	
大学化学实验 (G)	2.0	91	工程力学实验		0.5	88	2019-2020学年			2020-2021学年					
微积分(甲) I	4.5	90	赛艇(初级)		1.0	80	第1学期课程		学分	成绩	第1学期课程		学分	成绩	
定向越野(初级班)	1.0	81	马克思主义基本原理概论		2.5	89	食品工艺概论		2.0	82	英语水平测试		1.0	合格	
无机及分析化学	4.0	89	军事理论		1.5	92	中国古典文学欣赏		1.5	94	食品贮藏加工教学实习		2.0	81	
思想道德修养与法律基础	2.5	86	现代管理基础		2.0	83	食品感官评定		1.5	94	生产实习		2.0	92	
计算机科学基础	2.0	76	大学物理实验		1.5	81	食品卫生微生物学检验		2.0	89	食品生产设计与综合训练		2.5	79	
中国近现代史纲要	2.5	87	工程力学		3.5	77	中国古代文论		2.0	90	数据结构基础		2.5	94	
工程图学	2.5	80	工程训练		1.5	82	果蔬保鲜工程		2.0	89	第四课堂: 境外学习实践		2.0	合格	
第2学期课程	学分	成绩	概率论与数理统计		2.5	71	游泳(中级班)		1.0	94	第2学期课程		学分	成绩	
创业基础	2.0	良好	大学物理(乙) II		3.0	68	中国外交		3.0	92	形势与政策II		1.0	合格	
游泳(初级班)	1.0	90	食品工程原理		3.5	76	肉制品工艺学		2.0	90	毕业论文		8.0	89	
大学化学实验 (O)	1.5	85	第2学期课程		学分	成绩	食品营销学		2.0	84	体测O		1.0	合格	
大学英语IV	3.0	72	生命科学导论实验		1.0	86	宋史专题研究		2.0	85	第二课堂: 校内实践活动		4.0	优秀	
有机化学	4.0	80	20世纪外国作家研究		2.0	81	食品装备与工厂设计		4.0	81	第三课堂: 校外(境内)社会实践		2.0	良好	
线性代数(甲)	2.5	77	科技论文写作		1.5	91	食品装备与工厂设计实验		1.0	92					
微积分(甲) II	3.5	74	世界名诗欣赏		1.5	87	食品添加剂		1.5	92					
宋词经典研读	3.0	A-	大学化学实验 (A)		1.0	90	第2学期课程		学分	成绩					
形势与政策 I	1.0	81	美国政治与外交		1.5	85	乳品工艺学		1.5	93					
大学物理(乙) I	3.0	70	明清文学思潮研究		2.0	84	毛泽东思想和中国特色社会主义理论体系概论		5.0	86					
毕业最低学分应为: 155+8+6						已获得学分: 185.5						授予学位: 工学学士			



记载成绩说明:

1. 百分制: 60分及60分以上为及格、100分为满分;
2. 五级计分制: 优秀、良好、中等、及格、不及格;
3. 二级计分制: 合格、不合格;
4. 标志“\*”课程为校外转入的课程, 保持其原始记录;
5. 标志“△”课程为重复修读课程, GPA按最高成绩计算;

RECOGNITION INSTRUCTION: 1."ZHEJIANG UNIVERSITY" is microprinted on the lower right corner as a line, they can be seen under the magnifying glass.

2.The fluorescent school badge of ZHEJIANG University on the higher left corner will appear under the UV light. 3.The words "ZJU" on the center of the report will turn purple under the sunlight. 4.This style transcript has been formally in use since September 1,1999.

本科生院院长: 张亮新

签发时间: 2024年05月08日 05409

# Zhejiang University

## Student's Academic Records

Registration No: 20194888

Name: ZHENG Yuanhao	College/Dept.: College of Biosystems Eng. & Food Science						Speciality: Food Science and Engineering						Student ID: 3170100135		
Sex: Male	Birthday: 10/12/1998			Birth Place: Shandong			Entrance Date: 09/01/2017				Graduation Date: 06/30/2021				Years of Program: 4 Years
Academic Year 2017-2018			C Programming		3.0	73	Rowing (Mid Level)		1.0	92	20th Century World Literature		2.0	85	
Courses(1st Term)	*Cr	*Sc	Academic Year 2018-2019				Food Chemistry and Analysis Experiment	1.5	86	Ancient Chinese Literature II	3.0	95			
Military Training	2.0	68	Courses(1st Term)		*Cr	*Sc	Food Microbiology	3.0	86	Table Tennis (Basic Level)	1.0	95			
Auto/Biographical Narrative Inquiry	1.5	88	Instrumental Analysis		1.5	81	General Biology and Lab Experiments	4.0	89	Fundamentals and Production of Audio & Video	2.0	95			
Aesthetics Theory	1.5	89	Fundamentals of Game Theory		1.5	89	Fermentation Technology	2.0	95	Food Nutrition	2.0	83			
College English Band III	3.0	74	Biochemistry and Experiment (C)		4.0	72	Food Chemistry and Analysis	3.0	62	Food Toxicology	2.0	71			
General Chemistry Experiment	2.0	91	Engineering Mechanics Experiment		0.5	88	Academic Year 2019-2020			Academic Year 2020-2021					
Calculus (A) I	4.5	90	Rowing (Basic Level)		1.0	80	Courses(1st Term)	*Cr	*Sc	Courses(1st Term)	*Cr	*Sc			
Cross-Country Orienteering (Basic Level)	1.0	81	Introduction to the Principle of Marxism		2.5	89	Introduction to Food Technology	2.0	82	English Proficiency Test	1.0	P			
Inorganic & Analytical Chemistry	4.0	89	Military Theory		1.5	92	Classical Chinese Literature Appreciation	1.5	94	Field Practices on Food Storage and Processing	2.0	81			
Mental Education and Foundation of Law	2.5	86	Fundamentals of Modern Management		2.0	83	Food Sensory Evaluation	1.5	94	Engineering Practice	2.0	92			
Fundamentals of Computer Science	2.0	76	College Physics Experiment		1.5	81	Food Microbiological Analysis	2.0	89	Integrated Training on Design of Food Production Line	2.5	79			
Modern Chinese History	2.5	87	Engineering Mechanics		3.5	77	Literature Theory in Ancient China	2.0	90	Fundamentals of Data Structures	2.5	94			
Engineering Graphics	2.5	80	Engineering Training		1.5	82	Postharvest Technology of Fresh Fruit and Vegetables	2.0	89	Classroom IV: Exchange Programs in Hong Kong, Macao, Taiwan and foreign countries'	2.0	P			
Courses(2nd Term)	*Cr	*Sc	Probability and Mathematical Statistics			2.5	71	Swimming (Mid Level)	1.0	94	Courses(2nd Term)	*Cr	*Sc		
Introduction to Entrepreneurship	2.0	B	University Physics (B) II			3.0	68	Contemporary Chinese Diplomacy	3.0	92	Situation and Policy II	1.0	P		
Swimming (Basic Level)	1.0	90	Principle of Food Engineering			3.5	76	Meat Processing Technology	2.0	90	Thesis	8.0	89		
Organic Chemistry Experiment	1.5	85	Courses(2nd Term)	*Cr	*Sc	Food Marketing		2.0	84	Physical test○	1.0	P			
College English IV	3.0	72	The life science introduction tests			1.0	86	Topics in history of Song	2.0	85	Classroom II: On-campus Practice Activities'	4.0	A		
Organic Chemistry	4.0	80	Research of Foreign Writer in 20th Century			2.0	81	Food Equipment and Factory Design	4.0	81	Classroom III: Out-of-campus (Domestic) Practice Activities'	2.0	B		
Linear Algebra (A)	2.5	77	Scientific Manuscript Composition			1.5	91	Experiment on Food Equipment and Factory Design	1.0	92					
Calculus (A) II	3.5	74	Appreciation of the Masterpieces in World Poetry			1.5	87	Food Additives	1.5	92					
STUDY ON CLASSICAL LYRICS OF SONG DYNASTY	3.0	A-	Analytical Chemistry Experiment			1.0	90	Courses(2nd Term)	*Cr	*Sc					
Situation and Policy I	1.0	81	American Politics and Policy			1.5	85	Dairy Technology	1.5	93					
University Physics (B) I	3.0	70	Studies on the Literature Tide in Ming and Qing Dynasties			2.0	84	Intro. to Mao Thought & Theoretical System of China Socialism	5.0	86					
Degree Granted: Bachelor of Engineering			Credits Required for Graduation: 155+8+6						Credits Obtained: 185.5						

Three grade systems are used simultaneously in Zhejiang University, specifically as follows(\*Cr=Credits; \*Sc=Score):

1. The percentage system: Above 60 is passing, 100 is full mark.
2. Five degree grading: Excellent(A), Good(B), Fair(C), Passing(D), Failed(E).
3. Two degree grading: Passing(P), Failed(F).
4. Courses marked with \* are courses transferred from other universities and their original records are kept.
5. Courses marked with △ are repeat courses, and GPA is calculated on the highest grade.



Dean, Undergraduate School:

张光宇

Date Issued: 05/08/2024

05409

江大  
★  
成绩考核专用章  
(1)

Overall GPA: 3.61/4.0(83.43/100)

The last two years

GPA: 3.85/4.0(87.61/100)

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## The system of General Point Average(GPA)

The system of GPA used for academic transcript of Zhejiang University is established as follows:

### 1. The relation of score to grade point:

Percentage System	Score	100-86	85-83	82-80	79-77	76-74	73-71	70-68	67-65	64-62	61-60	<60			
	Grade Point	4.0	3.9	3.6	3.3	3.0	2.7	2.4	2.1	1.8	1.5	0			
Five Degree Grading	Score	Excellent (A)	Good (B)		Fair (C)			Passing (D)			Failed (F)				
	Grade Point	4.0	3.5		2.5			1.5			0				
	Score	A <sup>+</sup> A A <sup>-</sup>	B <sup>+</sup> B B <sup>-</sup>	C <sup>+</sup>	C	C <sup>-</sup>	D				F				
	Grade Point	4.0	3.8	3.5	3.2	2.8	2.5	2.2	1.5			0			
Two Degree Grading	Score	Passing (P)										Failed (F)			
	Grade Point	3.0										0			

### 2. Formula:

$$\text{GPA} = \frac{\sum (\text{credits} * \text{grade point})}{\sum \text{ credits}}$$

