

学术学位硕士培养方案

营养与食品卫生学

(学科代码: 100403)

学科简介 (400 字以内)

营养与食品卫生学学科属于公共卫生与预防医学一级学科。东南大学公共卫生与预防医学一级学科目前设有公共卫生与预防医学博士后流动站, 劳动卫生与环境卫生学、卫生毒理学、营养与食品卫生学、流行病学与统计学等 4 个二级学科博士点, 公共卫生与预防医学一级硕士点以及公共卫生专业硕士点 (MPH)。营养与食品卫生学学科主要研究方向包括营养与健康、食品安全与食品功效、社区营养、食物成分分析技术。近三年来主持承担国家自然科学基金 13 项, 参与国家科技支撑计划 5 项以及多项省部级课题, 在营养与慢性病、植物化学物与食品功效、食物污染物分析技术、分子营养学、食品污染物暴露评估、食物与健康教育研究领域取得了若干重要的科研成果和进展。师资队伍结构合理、水平较高, 有正教授 3 名、副教授 3 名, 讲师 3 名, 现有博士生导师 3 名, 硕士生导师 6 名。

培养目标 (150 字左右, 以下内容仅供参考)

掌握马克思主义基本原理, 坚持四项基本原则, 热爱祖国, 遵纪守法, 品行端正, 具有为人民服务和为社会主义建设事业献身的精神。

在基础营养、特殊人群营养、社区营养、营养与慢性病、食品污染与控制、食品分析、食品安全监督管理等理论及应用技术等方面, 具有坚实、宽广的理论基础和系统深入的专门知识。具有独立开展科学研究和解决有关技术问题的能力。能胜任营养与食品安全管理、科研、科技开发及教学工作等方面的工作。

至少熟练掌握一门外语。

研究方向

1. 营养与慢性病
2. 食品安全与食品功效
3. 社区营养
4. 食品分析

培养年限

学制 3 年, 最长可延至 4 年。

学分要求和课程设置 (见附表)

开题报告

按照《东南大学研究生论文选题和开题报告的原则与要求》执行。

中期考核

按照《东南大学硕士研究生中期考核与筛选办法》执行。

学位论文

文献阅读（仅供参考，下同）

在论文选题及研究方向范围内至少阅读文献 50 篇，其中外文文献 30 篇，完成一篇综述。

论文撰写

除符合学校规定外，学位论文必须是一篇系统、完整的学术论文，要求概念清楚、立论正确、论述严谨、计算正确、数据可靠，且层次分明、文笔简洁、流畅、图标清晰。

论文学术水平

学位论文应在调查研究的基础上，选择有一定学术价值，对国民经济发展有一定意义的课题。围绕论文开展科研工作的时间不少于 1 年。本学科申请硕士学位前，在符合学校基本要求的前提下，至少在 CSCD、SCI、SSCI、CSSCI、EI、CPCI-E、MEDLINE 等收录源期刊上发表研究论文 1 篇。

附表：

组别		课程编号	课程名称	开课学期	学时	学分	授课方式	考试方式	备注
公共必修课		S000301	中国特色社会主义理论与实践研究	春秋	32	2	面授	笔试	
		S000151	学位英语	春秋	64	4	面授	笔试	
公共选修课		S000302	自然辩证法概论	春秋	16	1			必选一门
		S000303	马克思主义与社会科学方法论	秋季	16	1			
		S000307	尊重学术道德，遵守学术规范	春秋	16	1			必选
		S000315	创新创业与管理基础	春秋	32	2			必选一门
		S000317	创新思维与创业实验	春秋	32	2			
专业必修课	专业基础课程	S042201	医学统计学（公卫学硕，拟建设在线课程）	秋季	48	3	面授	笔试	必修按一级学科设置
		S042202	现代流行病学（公卫学硕，拟建设课程思政示范课程）	春季	48	3	面授	笔试	
		S042416	预防医学高级实验技术与实践	秋季	48	3	面授+实验	笔试+技能	
	专业核心课程	S042410	现代营养与食品安全学	秋季	48	3	面授+实践教学	笔试+平时成绩	必修
		S042107	高级理化分析检测实验技术	秋季	48	3	面授	笔试	4 选 2
		S042401	食品毒理学与食品功效学	春季	48	3	面授	笔试	
		S042409	营养与肿瘤	春季	32	2	面授	撰写综述	
		S042109	样本分析方案设计与研究	春季	32	2	面授	笔试	
		专业	S042302	现代环境卫生学（全英文课程）	春季	48	3	面授	笔试

选修课	S042803	流行病学（全英文课程）	秋季	48	3	面授	笔试	课程必选一门
	S042805	健康教育与健康促进（全英文课程）	春季	32	2	面授	笔试	
	S042808	公共卫生政策与管理（全英文课程）	春季	48	3	面授	笔试	
综合素养环节	创新创业实践	竞赛、教学实践、出国短访、生产实践（临床实践）或社会调查等。			3		考查	
	选听人文与科学素养系列讲座	至少 8 次，其中必须选听学风建设、法律、心理健康讲座至少 1 次（留学生至少 3 次）。			1		考查	
	参加学术活动及学术论文撰写	参加学术研讨活动至少 2 次并撰写学术论文 1 篇。			1		考查	

注：1. 在校期间课程总学分最低要求为：理工类 26 学分，医类 28 学分，文管类 30 学分，其中必修课程最低学分要求为：16 学分，其余为选修课程。此外，还应完成综合素养环节 5 学分。

2. 必修课程学习一般应在入学后一学年内完成。

3. 必修课程和公共选修课根据此表，专业选修课从“研究生课程目录”中选择。

培养方案审批意见

学科点意见	负责人： 日 期：
所在院（系） 审 批 意 见	负责人： 日 期：
所在学位评定分 委员会审批意见	分委员会主席： 日 期：
研究生院审批意见	负责人： 日 期：
备 注	

Discipline: Nutrition and Food Hygiene

(Discipline Code: 100403)

Brief Introduction to Discipline (within 400 words)

There are post-doctoral station, four PhD programs in occupational and environmental health, health toxicology, nutrition and food hygiene, and epidemiology and statistics; master program of primary disciplines for public health and preventive medicine, and the program of MPH in the School of Public Health, Southeast University.

The Nutrition and Food Hygiene is one of the truck disciplines of the public health and preventive medicine in School of Public Health. The main research areas are nutrition and health, food safety and food functions, community nutrition and the food components analytical techniques.

Recent three years, the faculty of the department have got 13 National Natural Science Foundations Fund programs, taken part in 5 National Science and Technology Support Programs, and some provincial programs. Some progress and achievements in nutrition and chronic diseases, phytochemical and food functions, food contaminant analysis techniques, molecular nutrition, assessment of food contaminants exposure and nutrition health education have been made.

We have a good group of faculties, which includes four five professors, four associate professors, three lectures. And three of them are doctoral supervisors, seven are master supervisors.

Objectives (about 150 words; the following is for reference only) :

Students will grasp the fundamental principles of Marxism, stick to the Four Cardinal Principles, have the sense of patriotic duty, abide by the laws and regulations, and behave upright. Meanwhile, the students will develop their spirit of serving the people and devoting to the construction of socialism.

Students will acquire solid and broad theoretical principles as well as systematical and in-depth expertise in the field of basic nutrition, special population nutrition, community nutrition, food pollution and control, food analysis, food safety inspection and management, nutrition and chronic diseases. etc. Students will have the capability of doing scientific research independently and solving relevant technical problems. They will be competent for management, scientific research, technological development and teaching, etc in nutrition and food safety.

Students will acquire proficiency in at least one language other than Chinese.

Research Directions

1. Nutrition and chronic diseases
2. Food safety and food function
3. Community nutrition

4. Food analysis¹.

Duration

3 years usually, and no more than 4 years.

Credit Requirements and Curricula (refer to the Appendix)

Thesis Proposal

Interim Assessment

in accordance with Measures of Southeast University on Medium-term Assessment and Screening for Master Graduates

Thesis

(including requirements on literature reading, thesis writing, publication, etc.)

Literature Reading (for reference only)

Students are required to read at least 50 literatures (including 30 literatures written in foreign languages) related to their thesis and research direction, and write a review.

Thesis Writing (for reference only)

In addition to compliance with the provisions of University, thesis must be written in a systematic and complete manner, presenting clear concepts, correct arguments, realistic description, concise writing structure, smooth and concise writing style, correct calculation, reliable data, and clear icons.

Thesis Evaluation (for reference only)

Thesis should be written based on students' own study and research. The findings presented in the thesis should have higher academic value and positive impact on economic development of China. Students are required to conduct at least one year research and to publish at least 1 research paper in the area of their disciplines in CSCD、SCI、EI、ISTP cited journals before being eligible for applying for a Master's Degree.

Appendix

Course Type	Course Number	Courses	Terms	Class Hours	Credits	Teaching Type	Assessment	Note
Public Compulsory Courses	S000301	Theory and Practice of Socialism with Chinese Characteristics	Spring/Fall	32	2	Lectures	Exam	
	B000113	Introduction to China	Fall	32	2	Lectures	Exam	international students only
	S000151	Academic English for Graduate Students	Spring/Fall	64	4	Lectures	Exam	
	S000110	Chinese Language	Spring/Fall	64	4	Lectures	Exam	international students only

Public Elective Courses			An Introduction to Nature Dialectics		16	1			Choose either of the two
			Marxism and Social Science Methodology		16	1			
			Academic Ethics		16	1			compulsory
			Innovation and Entrepreneurship		16	1			compulsory
			Engineering Ethics		16	1			
			Leadership		16	1			
Specialized Compulsory Courses	Basic Courses	S042201	Medical statistics (for public health)	Fall	54	3	Lectures	Exam	According to the first-level-discipline setting
		S042202	Modern Epidemiology	Spring	54	3	Lectures	Exam	
			Advanced Experimental Technology and Practice in Public Health	Fall	54	3	Lectures and experiment	Exam+technique	
	Advanced Courses	S042410	Modern nutrition and food safety	Fall	54	3	Lectures and case discussion	Exam	compulsory
		S042107	Advanced Physicochemical Analysis and Detection Technology	Fall	54		Lectures	Exam	Choose two of them
		S042401	Food toxicology and food functions	Spring	36	2	Lectures	Exam	
		S042409	Nutrition and Cancer	Spring	36	2	Lectures	Summary writing	
		S042109	Sample analysis program design and research	Spring	36	2	Lectures	Exam	
Specialized Elective Courses			Determined by respective disciplines; and must fulfill the overall course credit requirement.			≥7			
Integrated		Innovation and Entrepreneurship	Contests, teaching practice, international short visits, practice and internship (clinical practice), social survey, etc.			3		Non-exam	

Quality Training	Practice					
	Lectures on Humanities and Scientific Literacy	Students are required to attend at least 8 lectures, including compulsory lectures on academic atmosphere construction, law and psychological health (at least 3 lectures for international students).	1		Non-exam	
	Academic Activity Participation and Academic Writing Practice	Students are required to participate in at least 2 academic activities, and write 1 academic paper.	1		Non-exam	

Note:

- (1) The minimum credits for master students: 26 credits for students of science and engineering, 28 credits for students of medical science, 30 credits for students of liberal arts, economics and management, with 16 credits from compulsory courses. In addition, students should obtain 5 credits from Integrated Quality Training.
- (2) All compulsory courses are normally required to be completed within one year after registration.
- (3) Compulsory courses and public elective courses are subject to this course plan; specialized elective courses can be chosen from "Graduate Courses Catalog".

Approval for Academic Program

Approved by Discipline Group	Person in charge: Date:
Approved by School (Department)	Person in charge: Date:
Approved by Sub-committee of Degree Assessment	Chairman of sub-committee: Date:
Approved by Graduate School	Person in charge: Date:
Note	