科学实践原理

课程教学大纲

Principals of Scientific

Subject Syllabus

Practice

一、课程信息 Subject Information

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课程编号:	3100313001	开课学期:	2		
Subject ID	3100313001	Semester	-		
课程分类:	专业教育 PA	所属课群:	专业基础 MF		
Category	√ 亚秋月 III	Section	₹型 MI		
课程学分:	1	总学时/周:	16		
Credit Points	1	Total Hours/Weeks	10		
理论学时:	12	实验学时:	4		
LECT. Hours	12	EXP. Hours	4		
PBL 学时:	0	实践学时/周:	0		
PBL Hours	U	PRAC. Hours/Weeks	U		
开课学院:	东北大学	适用专业:	应用体制.类 A.C		
College	悉尼智能科技学院	Stream	应用统计学 AS		
课程属性:	N/A C 1	课程模式:	E) FOU		
Pattern	必修 Compulsory	Mode	互认 EQV		
课程协调人:	张建波	成绩记载方式:			
Coordinator	Zhang Jianbo	Result Type	五级制 Five Grades		
先修课程:		T. M			
Requisites	无 None				
英文参考教材:		_			
EN Textbooks		无 None			
EIV TEMESOOKS					
中文参考教材:	无 None				
CN Textbooks		/L None			
+11. W. Vet Met					
教学资源:		无 None			
Resources					
课程负责人(撰写人):	张建波	提交日期:	4/21/2023		
SubjectDirector	Zhang Jianbo	Submitted Date	4/21/2023		
任课教师(含负责人):		业盘油 7homo Com!			
Taught by	张建波 Zhang Jianbo				
审核人:	古丰 叩向	批准人:			
Checked by	韩鹏 Approv		史闻博		
		批准日期:	单击或点击此处输		
		Approved Date	入日期。		

二、教学目标 Subject Learning Objectives (SLOs)

注: 毕业要求及指标点可参照悉尼学院本科生培养方案,可根据实际情况增减行数

Note: GA and index can be referred from undergraduate program in SSTC website. Please add/reduce lines based on subject.

本课程为应用统计学专业必修课,旨在介绍科学活动的一般过程,了解科技论文的特点及其写作规律,能够用中,英文检索系统查找期刊和论文,并下载论文,了解本生毕业论文的格式和写作方法。了解 TeX 软件的基本使用方法等,为学生今后的学习,科技的新和科研活动打下基础。This is a compulsory course for the Applied Statistics major, aiming to introduce the general process of scientific activities, understand the characteristics and writing rules of scientific papers, be able to use Chinese and English retrieval systems to search for journals and papers, and download papers, understand the format and writing methods of graduate thesis, and understand the basic usage methods of TeX software, and lay a foundation for students to study and participate in various scientific and technological innovation and research activities. 1-1		0 1		
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(1)专业目标: Professional Ability 1-2 能够运用常见的中英文检索系统查阅期刊和论文,并能下载论文。Able to use common Chinese and English retrieval systems to access journals and papers, and be able to download papers. 了解学位论文的一般结构,掌握引言部分的一般写法。 Understand the general structure of the thesis and grasp the general results of the introduction section. 对科研有正确的认识,了解什么是负责任的科研行为。Have a correct understanding of scientific research and understand what constitutes responsible research behavior. 2-1 了解科学家精神,牢记科研工作者应恪守的价值观念、社会责任和行为规范。Understand the spirit of scientists, remember the values, social responsibilities, and behavioral norms that scientific researchers should adhere to 课程教学目标与毕业要求的对应关系 Matrix of GA & SLOs 毕业要求 GA 指标点 GA Index		1-1	Familiar with the characteristics and structure of scienti	fic papers
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理学知识: 具有扎实的数学基础,能够将数学、自然科学和专业知识用于解决复杂实际问题。 Science Knowledge: Apply knowledge of mathematics, natural science, fundamentals and an engineering specialization to the solution of complex engineering problems.	掌握统计调查、统计数据处理、统计分析、 计算机 与统计软件使用等应用统计学的基本理论、知识与方 法, 具备采集、处理、分析数据的能力, 熟悉预研 报告、可行性分析报告、研究方案等文档的撰写规范。 Mastery the basic theories, knowledge and methods of applied statistics, such as statistical investigation, statistical data processing, statistical analysis, and the use of computers and statistical software; capable of data collecting, processing, and analyzing; familiar with the writing norms of pre-research reports, feasibility	1-1 1-2 1-3
设计/开发解决方案: 能够设计针对复杂实际问题的解决方案,设计满足特定需求的系统、单元或流程,并能够在设计环节中体现创新意识,考虑社会、健康、安全、法律、文化以及环境等因素。 Design/Development of Solutions: Design solutions for complex practical problems and design systems, components or processes that meet specified needs with appropriate consideration for public health, and safety, cultural, societal and environmental considerations.	能够在设计和开发的各个环节中综合考虑社会、健康、安全、法律、文化以及环境等因素。Able to comprehensively consider social, health, safety, legal, cultural, and environmental factors in all aspects of design and development.	2-1 2-2
使用现代工具: 能够针对复杂实际问题, 开发、选择与使用恰当的技术、资源、现代信息技术工具, 包括对复杂实际问题的预测与模拟, 并能够理解其局限性。 Modern Tool Usage: Create, select and apply appropriate techniques, resources and modern engineering and IT tools, including prediction and modelling, to complex	熟悉解决本专业相关复杂实际问题所需的技术和资源,能够运用现代信息技术进行文献检索和资料查询,获取专业解决方案。Familiar with the technology and resources required to solve complex practical problems related to the stream, capable of using modern information technology to conduct document retrieval and data query, and obtaining professional solutions.	1-2
practical problems, with an understanding of the limitations.	能够针对本专业相关复杂实际问题,选择与使用恰当的技术、资源、现代信息技术工具。Capable of selecting and using appropriate technology, resources, and modern information technology tools in response to complex practical problems related to the stream.	1-2
工程与社会: 能够基于本专业相关背景知识和相关法规标准进行合理分析,评价本专业实践活动和复杂实际问题解决方案对社会、健康、安全、法律以及文化的影响,并理解应承担的责任。The engineer and Society: Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional practice and solutions to complex	能够基于本专业相关背景知识进行合理分析,评价专业相关实践活动和复杂实际问题解决方案对社会、健康、安全、法律以及文化的影响。Capable of analyzing and evaluating the social, health, safety, legal and cultural impact of statistics-related engineering practices and complex engineering problem solutions based on the relevant background knowledge of the stream.	2-1 2-2

理解本专业实践活动和相关行业工程问题解决方案 对社会、健康、安全、法律以及文化应承担的责任。 Understanding of the responsibility of the professional practice activities and related industry engineering problem solutions to society, health, safety, law and culture. 「解本专业相关的环境与可持续发展,能够理解和评价针对本专业相关 发展的影响。Environment and Sustainability: Understand and evaluate the sustainability and impact of professional work in the solution of complex practical problems in societal and environmental contexts. 『解文學的影响。Capable of understanding and evaluating the impact of practice activities on the environment and the sustainable development of society. 異各體生的人格,坚定的理想信念和社会责任感,科学的性质型,良好的人产社会科学素养。Possessing of a sound personality, firm ideals and beliefs and a sense of social responsibility, a scientific outlook on world, life and values, and good humanities and social science literacy. 「解本专业相关的职业道德和建筑,能够对实践活动 的社会道格受持规能和建筑,就具重要性,具备良好的职业道德和社会责任感,能够对实践活动的社会道格受持规能和建筑,就是重要性,具备良好的职业道德和社会责任感,能够对实践活动的社会道格受持规能和建筑,就是重要性,具备良好的职业道德和社会责任感,能够对实践活动的社会道格受责任息,能够对实践活动的社会道格受持规能和建筑力规定的责任。Understanding of the responsibility, a pacientific outlook on world, life and values, and good humanities and social science literacy. 「解本专业相关的职业道德和社会责任感,能够对实践活动的社会道程感,能够对实践活动的社会道程可用新评逐,并履行相反的责任。Understanding of the professional ethics and norms of practice. Understanding of the professional ethics and norms of practice. Pudderstanding of the professional ethics and norms of practice.			
Understanding of the responsibility of the professional practice activities and related industry engineering problem solutions to society, health, safety, law and culture. 了解本专业相关的环境与可持续发展方针政策和法律法规,理解实践活动中所应承担的责任。The knowledge of the environmental and sustainable development policies, laws and regulations related to this stream, and understanding of the responsibilities that should be understanding of understanding and evaluating the impact of practice activities on the environment and the sustainable development of society. PRUMARE: 具有人文社会科学素养、社会责任感,能够对实践活动对的自己的情况,是各种的大型企业,是各种的企业。 PRUMARE: 具有人文社会科学素养、社会责任感,能够对实践活动的自己的情况,是各种的职业道德和技会责任感,能够对实践活动的分社会遗憾进行判断和评聚,并履行相应的责任。Understanding of the professional ethics and norms related to the stream and recognition of their importance, having a good professional ethics and social responsibility, capable of judging and evaluating the social ethics of practical activities.	practical problems.	理解本专业实践活动和相关行业工程问题解决方案	
practice activities and related industry engineering problem solutions to society, health, safety, law and culture. T解本专业相关的环境与可持续发展: 能够理解和评价针对本专业相关复杂实际问题的实践活动对环境、社会可持续发展的影响。Environment and Sustainability: Understand and evaluate the sustainability and impact of professional work in the solution of complex practical problems in societal and environmental contexts. T解本专业相关的环境与研究设置的实践活动对环境、社会可持续发展的影响。Environment and Sustainability: Understand and evaluate the sustainability and impact of professional work in the solution of complex practical problems in societal and environmental contexts. R修正确认识并评价本专业实践活动对环境、社会可持续发展的影响。Capable of understanding and evaluating the impact of practice activities on the environment and the sustainabile development of society. 具备健全的人格、坚定的理想信念和社会责任感,科学的世界观、人生观和价值观,良好的人文社会科学素养。Possessing of a sense of social responsibility, a scientific outlook on world, life and values, and good humanities and social science literacy. T解本专业相关的职业道德与规范并认识其重要性,具备良好的职业道德与规范并认识其重要性,具备良好的职业道德和社会责任感,能够对实践活动的社会道德进行判断和评鉴,并履行相应的责任。Understanding of the professional ethics and norms related to the stream and recognition of their importance, having a good professional ethics and social ethics of practical activities, and performing the social ethics of practical activities, and performing		对社会、健康、安全、法律以及文化应承担的责任。	
problem solutions to society, health, safety, law and culture. T解本专业相关的环境与可持续发展的数据。在中的政策的对环境、社会可持续发展的影响。Environment and Sustainability: Understand and evaluate the sustainability and impact of professional work in the solution of complex practical problems in societal and environmental contexts. Environment and Sustainability: Understand and evaluate the sustainability and impact of professional work in the solution of complex practical problems in societal and environmental contexts. Environment and Sustainability: Understand and evaluating the impact of practice activities on the environment and the sustainable development of society. Page (Appl.) Appl. A		Understanding of the responsibility of the professional	2-1
culture. 了解本专业相关的环境与可持续发展方针政策和法 律法规,理解实践活动中所应承担的责任。The knowledge of the environmental and sustainable development policies, laws and regulations related to this stream, and understanding of the responsibilities that should be undertaken in practical activities. 能够正确认识并评价本专业实践活动对环境、社会可 持续发展的影响。Capable of understanding and evaluating the impact of practice activities on the environment and the sustainable development of society. 具备健全的人格,坚定的理整信念和社会责任感,科 学的世界观、人生观和价值观,良好的人文社会科学 素养。Possessing of a sound personality, firm ideals and beliefs and a sense of social responsibility, a scientific outlook on world, life and values, and good humanities and social science literacy. 了解本专业相关的职业道德和社会责任感,能够对实践活动 的社会道德进行判断和评鉴,并履行相应的责任。 Understanding of the professional ethics and norms related to the stream and recognition of their importance, having a good professional ethics and social responsibility, capable of judging and evaluating the social ethics of practical activities, and performing		practice activities and related industry engineering	2-2
ア境与可持续发展: 能够理解和评价针对本专业相关		problem solutions to society, health, safety, law and	
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importance, having a good professional ethics and social responsibility, capable of judging and evaluating the social ethics of practical activities, and performing		related to the stream and recognition of their	
the social ethics of practical activities, and performing		importance, having a good professional ethics and	<i>L</i> - <i>L</i>
		social responsibility, capable of judging and evaluating	
corresponding responsibilities.		the social ethics of practical activities, and performing	
		corresponding responsibilities.	

三、教学内容 Content (Topics)

注: 以中英文填写,各部分内容的表格可根据实际知识单元数量进行复制、扩展或缩减

Note: Filled in both CN and EN, extend or reduce based on the actual numbers of knowledge unit

(1) 理论教学 Lecture

知识单元序号:	1	支撑教学目标:	1-1, 1-3		
Knowledge Unit No.	1	SLOs Supported	1-1, 1-3		
知识单元名称		科技论文的特点及结构			
Unit Title	Characteristics and Structure of Scientific and Technological Pap				
知识点:		什么是科技论文			

Knowledge Delivery	What is a scientific paper			
	科技论文的基本特征			
	Basic Characteristics of Scientific and Technological Papers			
	科技论文的分类			
	Clas	ssification of scientific and technological papers		
		科技论文的格式		
	I	Format of scientific and technological papers		
		什么是科技论文?		
	了解:	What is a scientific paper?		
		科技论文的基本特征		
ポ コロ1	Recognize	Basic Characteristics of Scientific and Technological		
学习目标:		Papers		
Learning Objectives	理解:	: 科技论文的分类		
	Understand	Classification of scientific and technological papers		
	掌握:	科技论文的格式		
	Master	Format of scientific and technological papers		
德育目标		2-1, 2-2		
Moral Objectives		2-1, 2-2		
重点:	科技论文的格式			
Key Points	Format of scientific and technological papers			
难点:	无			
Focal points	None			

知识单元序号: Knowledge Unit No.2支撑教学目标: SLOs Supported1-1,知识单元名称科技论文的写作及注意事项	1-3			
Knowledge Unit No. SLOs Supported	1-3			
知识的元夕称。				
Unit Title Writing and Precautions for Scientific and Technological	Papers			
知识点: 科技论文的选题及应注意的问题				
Topic Selection and Issues to Pay Attention to in Scientif	ric and			
Knowledge Delivery Technological Papers				
了解: 科技论文选题的一般方法				
General methods for selecting topics in scien	General methods for selecting topics in scientific and			
Recognize technological papers	technological papers			
学习目标: 科技论文选题应注意的事项 理解:	科技论文选题应注意的事项			
Learning Objectives Understand Precautions for selecting topics in scientif	ic and			
technological papers				
掌握:				
Master None				
德育目标 2-1, 2-2				
Moral Objectives				
科技论文选题的一般方法				
重点: General methods for selecting topics in scientific and techn	ological			
Key Points papers	papers			
科技论文选题应注意的事项				

	Precautions for selecting topics in scientific and technological papers			
	 无			
Focal points	None			
1 ocal points	None			
知识单元序号:			支撑教学目标:	
Knowledge Unit No.	3		SLOs Supported	1-2
知识单元名称		期刊	 的查找与论文的发表和	 检索
Unit Title	Journal search and publication of papers with their retrieval			
	常见期刊的查找:施普林格、爱思唯尔、IEEE			
	Search for common journals: Springer, Elsevier, IEEE			Elsevier, IEEE
		特殊期	刊的查找:科学、自然	、细胞
	Se	arch for s	pecial journals: Science,	Nature, Cell
	中文期	刊的查	戈: 中国知网(一般期刊	刊和核心期刊)
知识点:	Search fo	r Chinese	e Journals: CNKI ((genera	al journals and core
Knowledge Delivery			journals))	
			论文的检索: SCI、EI	
		F	Retrieval of papers: SCI, I	EI
	中科院文献情报中心期刊分区表			
	Journal partition table of the Literature and Information Center of the			
			ninese Academy of Science	
			期刊的查找: 施普林格	
	了解:	Search	for common journals: Sp	-
	Recognize		特殊期刊的查找:科学	
			rch for special journals: S	
₩ ¬ □ 1-			刊的查找:中国知网(
学习目标:	7田 4刀	Search	for Chinese Journals: Cl	-
Learning Objectives	理解:		and core journ	
	Understand	Loumal	中科院文献情报中心	
			partition table of the Lite enter of the Chinese Acad	
			论文的检索: S	•
	手涯. Master		Retrieval of papers	
 	14143101			,, 501, <u>DI</u>
Moral Objectives			2-1, 2-2	
	中文期刊的查找:中国知网(一般期刊和核心期刊)			
重点:	Search for Chinese Journals: CNKI ((general journals and core			
Key Points	journals))			
难点:	论文的检索: SCI、EI			
Focal points	Retrieval of papers: SCI, EI			EI
知识单元序号:	支撑教学目标: 1-2, 1-3			1-2, 1-3
Knowledge Unit No.	4		SLOs Supported	1-2, 1-3

1 N. N 1 1	学	位论文(本科论文)的一般结构与写作方法		
知识单元名称	Genera	al Structure and Writing Methods of Degree Thesis		
Unit Title		(Undergraduate Thesis)		
		毕业设计(论文)的一般步骤		
	(General Steps for Graduation Design (Thesis)		
	毕业设计(论文)的结构			
知识点:		Structure of Graduation Design (Thesis)		
Knowledge Delivery		毕业设计(论文)的选题		
	7	Topic selection for graduation project (thesis)		
		学位论文引言部分的一般撰写方式		
	General W	riting Methods for the Introduction of a Degree Thesis		
		毕业设计(论文)的一般步骤		
	了解:	General Steps for Graduation Design (Thesis)		
	Recognize	毕业设计(论文)的选题		
 学习目标:		Topic selection for graduation project (thesis)		
Learning Objectives	理解:	毕业设计(论文)的结构		
Learning Objectives	Understand	Structure of Graduation Design (Thesis)		
	掌握:	学位论文引言部分的一般撰写方法		
	Master	General Writing Methods for the Introduction of a		
	Musici	Degree Thesis		
德育目标		2-1, 2-2		
Moral Objectives				
重点:		毕业设计(论文)的结构		
Key Points		Structure of Graduation Design (Thesis)		
		适当类型的图表和表,以显示不同类型的数据		
难点:	Choose appro	priate types of graphs and tables to present different types		
Focal points		of data		
r	学位论文引言部分的一般撰写方法			
	General W	riting Methods for the Introduction of a Degree Thesis		

知识单元序号:	5	支撑教学目标:	1-3		
Knowledge Unit No.	3	SLOs Supported	1 3		
知识单元名称		TeX 软件的使用			
Unit Title		Use of TeX software			
	TeX	X 软件的介绍、安装与配	置		
	Introduction, Installation, and Configuration of Software				
	一般文本的编辑				
知识点:	Editing of general text				
,		常见数学公式的编辑	常见数学公式的编辑		
Knowledge Delivery	Editing common mathematical formulas				
	Design	图和表的设计与编辑 Design and Editing of Figures and Tables			

学习目标: Learning Objectives	了解: Recognize 理解: Understand 掌握: Master	TeX 软件的介绍、安装与配置 Introduction, Installation, and Configuration of Software 一般文本的编辑 Editing of general text 常见数学公式的编辑 Editing common mathematical formulas 图和表的设计与编辑 Design and Editing of Figures and Tables
德育目标 Moral Objectives	2-1, 2-2	
重点: Key Points	一般文本的编辑 Editing of general text 常见数学公式的编辑 Editing common mathematical formulas	
难点: Focal points	图和表的设计与编辑 Design and Editing of Figures and Tables	

(2) 实验教学 Experiments

注: 可根据实际情况增减行数

Note: Please add/reduce lines based on subject.

序号	实验项目名称	学时	每组人数	实验类型	实验性质
No.	Experiment Topic	Hours	MPG*	Type	Pattern
1	科技文献的检索 Retrieval of Scientific Literature	2	1	验证型	
2	科研数据的可视化 Visualization of Scientific Data	2	1	验证型	
	总计 Total	4			

^{*}MPG: Members per group

实验项目序号:	1	支撑教学目标:	1-1
Experiment No.	1	SLOs Supported	1-2
每组成员:	1	指导教师:	张建波
Members per Group	1	Tutor	Zhang Jianbo
实验名称:	科技文献的检索		
Experiment Title	Retrieval of Scientific Literature		
	掌握三大科技文献平台(IEEE Xplore、Elsevier、Springer)		
	Master the method to search and download scientific literatures from		
实验内容:	the platforms of IEEE Xplore, Elsevier and Springer		
Content	掌握两大检索平台(ISI Web of Science、Ei Village)		
	Master the method to retrieve scientific literatures from ISI Web of		
	Science and Ei Village		

	了解《中国科学院文献情报中心期刊分区表》的使用
	Understand the usage of "Journal Division Table of Literature and
	Information Center of Chinese Academy of Sciences"
	了解一般科技论文的结构
	Understand the structure of general scientific paper
学习目标:	掌握常见的检索库与期刊库的使用方法
, ,,,,	Master the usage of common retrieval databases and periodical
Learning Objectives	databases
实验场地:	机房
Location	Computer room
实验软硬件设备:	浏览器、电脑
Software/Hardware	Browser, Computer

实验项目序号:	2	支撑教学目标:	1-1
Experiment No.	2	SLOs Supported	1-2
每组成员:	1	指导教师:	张建波
Members per Group	1	Tutor	Zhang Jianbo
实验名称:		科研数据的可视化	
Experiment Title	Vis	sualization of Scientific D	D ata
	掌握科研	开数据用表格可视化的-	一般方法
实验内容:	Master the general approach to visualize scientific data using tables		
Content	掌握科研数据用图可视化的一般方法		
	Master the general approach to visualize scientific data using figures		
 学习目标:	掌握科研	开报告中的常见表格与作	乍图方法
上earning Objectives	Mastering the common methods to design the tables and figures in		
Learning Objectives	scientific research		
实验场地:	机房		
Location	Computer room		
实验软硬件设备:	文字编辑软件、电脑		
Software/Hardware	Software for text-editing, Computer		

(3) 课外实践教学 PBL

None

四、教学安排 Teaching Schedule

注: 可根据实际情况增减行数

Note: Please add/reduce lines based on subject.

	学时(周)Hour(Week)			
教学内容 Teaching Content	理论	实验	实践	PBL
	LECT.	EXP.	PRAC.	PDL

科技论文的特点及结构 Characteristics and Structure of Scientific and Technological Papers	3			
科技论文的写作及注意事项 Writing and Precautions for Scientific and Technological Papers	1	2		
期刊的查找与论文的发表和检索 Journal search and publication of papers with their retrieval	2	2		
学位论文(本科论文)的一般结构与写作方 法 General Structure and Writing Methods of Degree Thesis (Undergraduate Thesis)	2			
TeX 软件的使用 Use of TeX software	4			
总计 Total	12	4	0	0

五、教学方法 Teaching Methodology

注: 可根据实际情况增减行数或修改内容

Note: Please add/reduce lines or revise content based on subject.

勾选 Check	教学方法与特色 Teaching Methodology & Characters		
✓	多媒体教学:基于信息化设备的课堂教学		
	Multi-media-basedlecturing		
M	实践能力传授: 理论与行业、实际案例相结合		
	Combining theory with industrial practical problems		
M	课程思政建设:知识讲授与德育相结合		
<u>V</u>	Knowledgedeliverywithethiceducation		
	PBL 教学:问题驱动的分组学习与交流		
	Problem-basedlearning		
	其他:单击或点击此处输入文字。		
	Other:单击或点击此处输入文字。		

六、成绩评定 Assessment

注: 可根据实际情况增减行数或修改内容

Note: Please add/reduce lines or revise content based on subject.

考核环节:	实验 EXP	环节负责人:	张建波
Assessment Content	安视 CAP	Director	Zhang Jianbo
给分形式:	五八组 Mada	课程总成绩比重(%):	20
Result Type	百分制 Marks	Percentage (%)	20

考核方式:	实验报告 1		
Measures	Experiment report 1		
考核环节:	实验 EXP 环节负责人:		张建波
Assessment Content	失业 EAP	Director	Zhang Jianbo
给分形式:	百分制 Marks	课程总成绩比重(%):	20
Result Type	日分中,Warks	Percentage (%)	20
考核方式:	实验报告 2		
Measures		Experiment report 2	

考核环节:	其他 Others	环节负责人:	张建波
Assessment Content	共他 Others	Director	Zhang Jianbo
给分形式:	百分制 Marks	课程总成绩比重(%):	20
Result Type	日分型 Warks	Percentage (%)	30
考核方式:	大作业: 科研论文中引言与参考文献的撰写		
Measures	Homework: writing of introduction and reference in scientific paper		
给分形式:	百分制 Marks	课程总成绩比重(%):	30
Result Type	自分型 Walks	Percentage (%)	30
考核方式:	大作业: TeX 的使用		
Measures	Homework: usage of TeX software		

七、改进机制 Improvement Mechanism

注: 未尽事宜以教学团队以及学院教学指导委员会商定为准。

Note: Matters not covered in this file shall be determined by AAB of SSTC, NEU.

教学大纲改进机制 Subject Syllabus Improvement Mechanism				
考核周期(年):	4	修订周期(年):	4	
Check Period (YR)	4	Revise Period (YR)	4	
	课程负责人根据课程	教学内容与人才培养目	标组织课程团队讨论	
	并修改教学大纲,报	分管教学工作副院长审构	该后由执行院长批准。	
改进措施:	The subject coordinato	r shall be responsible for	the syllabus discussion	
Measures	and improvement, and the revised version shall be submitted to deputy			
	dean (teaching affairs) for reviewing then to executive dean for			
	approval.			
成绩i	评定改进机制 Assessme	ent Improvement Mecha	nnism	
考核周期(年):	1	修订周期(年):	1	
Check Period (YR)	1	Revise Period (YR)	1	
	课程负责人根据课程	教学内容、课堂教学效务	果以及成绩分布,对课	
) 改进措施:	程教学方法和成绩评定	定环节进行改进,并同	步优化评定办法。	
X 姓语地: Measures	The subject coordinator shall revise the syllabus based on the teaching content, effect and result distribution while optimize the assessment			
Measures				
	measures.			