

9201 University City Boulevard 3252 EPIC Charlotte, NC 28223-0001

Department of Civil and Environmental Engineering

704/687-1219 FAX: 704/ 687-0957

培训团境外培训日程安排

	9月9日		
第一天	星期日	从上海出发 	上海
第二天	9月10日 星期一	抵达夏洛特	夏洛特
		上午:报到	
	9月11日 星期二	下午:培训	
		培训内容:现代水质分析技术概论	
第三天		授课人姓名: Xiuli Lin	夏洛特
		授课人工作机构名称及职位:土木与环境工程系,环境实验室	
		管理员	
		授课地址:北卡罗莱纳大学夏洛特分校	
		上午:培训	
	9月12日 星期三	培训内容:污水排放对淡水生态系统的影响	
		授课人姓名:Jacelyn Rice	
		授课人工作机构名称及职位:工程技术和建筑管理系,助理教授	
		授课地址:北卡罗莱纳大学夏洛特分校	
第四天			夏洛特
		,,	
第四天		上午:培训 培训内容:污水排放对淡水生态系统的影响 授课人姓名:Jacelyn Rice 授课人工作机构名称及职位:工程技术和建筑管理系,助理教授	夏洛特



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9月16日

星期日

休息

第八天

上午:培训 培训内容:湖泊中水生细菌的生态学研究讲展 授课人姓名: Mariya Munir 授课人工作机构名称及职位:土木与环境工程系,助理教授 授课地址:北卡罗莱纳大学夏洛特分校 9月13日 第五天 夏洛特 星期四 下午:培训 培训内容:湖泊中水生细菌的分析方法 授课人姓名: Mariya Munir 授课人工作机构名称及职位:土木与环境工程系. 助理教授 授课地址:北卡罗莱纳大学夏洛特分校 上午:培训 培训内容:淡水生态系统的的碳循环 授课人姓名: David Vinson 授课人工作机构名称及职位:地理与地球科学系. 助理教授 授课地址:北卡罗莱纳大学夏洛特分校 9月14日 第六天 夏洛特 星期五 下午:培训 培训内容:流域尺度水体修复对生态系统及水质的影响 授课人姓名: David Vinson 授课人工作机构名称及职位:地理与地球科学系,助理教授 授课地址:北卡罗莱纳大学夏洛特分校 9月15日 第七天 休息 夏洛特 星期六



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		上午:培训	
	9月17日	培训内容:垃圾填埋场对附近水体的影响	
		授课人姓名: Milind V. Khire	
		授课人工作机构名称及职位:土木与环境工程系,教授	
		授课地址:北卡罗莱纳大学夏洛特分校	
第九天			夏洛特
		下午:培训	
		培训内容:数据分析:ArcGis 的应用	
		授课人姓名:Srinivas S. Pulugurtha	
		授课人工作机构名称及职位:土木与环境工程系,教授	
		授课地址:北卡罗莱纳大学夏洛特分校	
		上午:培训	
	9月18日 星期二	培训内容:电镜技术的应用	
		授课人姓名: Hansang Cho	
		授课人工作机构名称及职位:机械工程与工程科学系,助理教	
		授	
		授课地址:北卡罗莱纳大学夏洛特分校	
第十天			夏洛特
		下午:培训	
		培训内容:电镜样品的前处理	
		授课人姓名:Hansang Cho	
		授课人工作机构名称及职位:机械工程与工程科学系,助理教	
		授	
		授课地址:北卡罗莱纳大学夏洛特分校	



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		上午:培训	
	9月19日	培训内容:新型污染物及其转化产物对生态环境影响研究	
		授课人姓名:Mei Sun	
		授课人工作机构名称及职位:土木与环境工程系,助理教授	
		授课地址:北卡罗莱纳大学夏洛特分校	
第十一天	星期三		夏洛特
		下午:培训	
		培训内容:色谱技术在自然水体系统中的应用进展授课人姓	
		名: Olya S. Keen	
		授课人工作机构名称及职位:土木与环境工程系,助理教授	
		授课地址:北卡罗莱纳大学夏洛特分校	
		上午:培训	
	9月20日星期四	培训内容:人类活动和基础设施对城市水生态系统的影响	
		授课人姓名:Sandra M. Clinton	
		授课人工作机构名称及职位:地理与地球科学系,研究助理教	
		授	
		授课地址:北卡罗莱纳大学夏洛特分校	
第十二天			夏洛特
		下午:培训	
		培训内容:自然水体及废水系统中新型生物污染物的检测及处	
		理	
		慢课人姓名: Minal Zagade	
		授课人工作机构名称及职位:土木与环境工程系,博后	
		授课地址:北卡罗莱纳大学夏洛特分校	



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上午:培训 培训内容:水及土壤环境中抗生素耐药性研究 授课人姓名: Mariya Munir 授课人工作机构名称及职位:土木与环境工程系,助理教授 授课地址:北卡罗莱纳大学夏洛特分校 9月21日 第十三天 夏洛特 星期五 下午:培训 培训内容:高效液相色谱分析水环境中抗生素的关键技术 授课人姓名: Olya S. Keen 授课人工作机构名称及职位:土木与环境工程系,助理教授 授课地址:北卡罗莱纳大学夏洛特分校 9月22日 休息 第十四天 夏洛特 星期六 9月23日 第十五天 休息 夏洛特 星期日 上午:培训 培训内容: PPCPs 样品的提取与前处理技术 授课人姓名: Olya S. Keen 授课人工作机构名称及职位:土木与环境工程系,助理教授 授课地址:北卡罗莱纳大学夏洛特分校 9月24日 第十六天 夏洛特 星期一 下午:培训 培训内容:色谱质谱联用检测水环境中残留 PPCPs 授课人姓名: Olya S. Keen 授课人工作机构名称及职位:土木与环境工程系. 助理教授 授课地址:北卡罗莱纳大学夏洛特分校



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		上午:培训	
	9月25日 星期二	培训内容:水化学分析中的前处理技术	
		授课人姓名: Mei Sun	
		授课人工作机构名称及职位:土木与环境工程系,助理教授	
		授课地址:北卡罗莱纳大学夏洛特分校	
第十七天		下午:培训	夏洛特
		培训内容:自然元素和同位素指纹在追踪水 - 岩相互作用研究中的作用	
		授课人姓名: David Vinson	
		授课人工作机构名称及职位:地理与地球科学系,助理教授	
		授课地址:北卡罗莱纳大学夏洛特分校	
		上午:培训	
		培训内容:水质监测及湖泊富营养化过程模拟	
		授课人姓名: James D. Bowen	
		授课人工作机构名称及职位:土木与环境工程系系,副教授	
75 L 11 T	9月26日 星期三	授课地址:北卡罗莱纳大学夏洛特分校	
第十八天		下午:培训	
		培训内容:蓝藻水华过程中藻毒素的监测与分析	
		授课人姓名: James D. Bowen	
		授课人工作机构名称及职位:土木与环境工程系系,副教授	
		授课地址:北卡罗莱纳大学夏洛特分校	



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第十九天	9月27日 星期四	上午:培训 培训内容:新型仪器发展趋势及在生态环境分析中的研究进展 授课人姓名: Mei Sun 授课人工作机构名称及职位:土木与环境工程系系,助理教授 授课地址:北卡罗莱纳大学夏洛特分校 下午:总结讨论	夏洛特
第二十天	9月28日 星期五	从夏洛特启程回国	夏洛特
第二十一天	9月29日 星期六	抵达上海	上海

(境外培训机构邀请人签字或境外培训机构盖章)

Mei Sun

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SCHEDULE

Day 1	9, Sep Sunday	Departing from Shanghai Pudong International Airport	Shanghai
Day 2	10, Sep Monday	Arriving at Charlotte-Douglas international Airport	Charlotte
Day 3	11, Sep Tuesday	Morning: Registration Afternoon: Training Content: Introduction to modern water quality analytical technology Instructor: Xiuli Lin Affiliation and Title: Department of Civil & Environmental Engineering, laboratory manager Location: University of North Carolina at Charlotte	Charlotte
Day 4	12, Sep Wednesday	Morning: Training Content: The effects of sewage discharge on freshwater ecosystems Instructor: Jacelyn Rice Affiliation and Title: Department of Engineering Technology & Construction Management, Assistant Professor Location: University of North Carolina at Charlotte Afternoon: Training Content: Research methods and techniques for freshwater ecosystem Instructor: Jacelyn Rice Affiliation and Title: Department of Engineering Technology & Construction Management, Assistant Professor Location: University of North Carolina at Charlotte	Charlotte



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Morning: Training Charlotte Content: Research progress on aquatic bacterial ecology in lakes Instructor: Mariya Munir Affiliation and Title: Department of Civil & Environmental Engineering, **Assistant Professor** Location: University of North Carolina at Charlotte Day 13, Sep Thursday 5 Afternoon: Training Content: Analytical methods of aquatic bacteria in lakes Instructor: Mariya Munir Affiliation and Title: Department of Civil & Environmental Engineering, **Assistant Professor** Location: University of North Carolina at Charlotte Morning: Training Charlotte Content: Carbon cycle in freshwater ecosystems Instructor: David Vinson Affiliation and Title: Department of Geography & Earth Sciences, **Assistant Professor** Location: University of North Carolina at Charlotte Day 14, Sep 6 Friday Afternoon: Training Content: Impact of watershed restoration on ecosystem and water quality Instructor: David Vinson Affiliation and Title: Department of Geography & Earth Sciences, **Assistant Professor** Location: University of North Carolina at Charlotte 15, Sep Charlotte Day Saturday open Saturday 7 16, Sep Charlotte Day Sunday open 8 Sunday



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Morning: Training Charlotte Content: Impacts of landfills on nearby water systems Instructor: Milind V. Khire Affiliation and Title: Department of Civil & Environmental Engineering, **Professor** Location: University of North Carolina at Charlotte Day 17, Sep Monday 9 Afternoon: Training Content: Data analysis: Application of ArcGis Instructor: Srinivas S. Pulugurtha Affiliation and Title: Department of Civil & Environmental Engineering, **Professor** Location: University of North Carolina at Charlotte Morning: Training Charlotte Content: Application of electron microscope Instructor: Hansang Cho Affiliation and Title: Department of Mechanical Engineering and Engineering Science, Assistant Professor Location: University of North Carolina at Charlotte Day 18, Sep 10 **Tuesday** Afternoon: Training Content: Sample pretreatment for electron microscope Instructor: Hansang Cho Affiliation and Title: Department of Mechanical Engineering and Engineering Science, Assistant Professor Location: University of North Carolina at Charlotte



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Morning: Training Charlotte Content: Impacts of emerging contaminants and their transformation products on ecological environment Instructor: Mei Sun Affiliation and Title: Department of Civil & Environmental Engineering, **Assistant Professor** Location: University of North Carolina at Charlotte 19, Sep Day 11 Wednesday Afternoon: Training Content: Development of chromatographic technology in natural water system Instructor: Olya S. Keen Affiliation and Title: Department of Civil & Environmental Engineering, **Assistant Professor** Location: University of North Carolina at Charlotte Charlotte Morning: Training Content: Influence of human activities and infrastructure on urban water ecosystem Instructor: Sandra M. Clinton Affiliation and Title: Department of Geography & Earth Sciences, Research assistant professor Location: University of North Carolina at Charlotte 20, Sep Day 12 Thursday Afternoon: Training Content: Detection, removal and inactivation of emerging biological contaminants in water and wastewater systems Instructor: Minal Zagade Affiliation and Title: Department of Civil & Environmental Engineering, Post-Doctoral Researcher Location: University of North Carolina at Charlotte



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Morning: Training Charlotte Content: Antibiotic resistance in water and soil Instructor: Mariya Munir Affiliation and Title: Department of Civil & Environmental Engineering, **Assistant Professor** Location: University of North Carolina at Charlotte Day 21, Sep 13 Friday Afternoon: Training Content: Key techniques of high performance liquid chromatography (HPLC) in the analysis of antibiotics Instructor: Olva S. Keen Affiliation and Title: Department of Civil & Environmental Engineering, **Assistant Professor** Location: University of North Carolina at Charlotte 22, Sep Charlotte Day Saturday open Saturday 14 23, Sep Charlotte Day Sunday open 15 Sunday Morning: Training Charlotte Content: Sample extraction and pretreatment for pharmaceutical and personal care products (PPCPs) Instructor: Olya S. Keen Affiliation and Title: Department of Civil & Environmental Engineering, **Assistant Professor** Location: University of North Carolina at Charlotte Day 24, Sep Monday 16 Afternoon: Training Content: Chromatography-mass spectrometry detection of residual PPCPs in water environment Instructor: Olya S. Keen Affiliation and Title: Department of Civil & Environmental Engineering, **Assistant Professor** Location: University of North Carolina at Charlotte



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Morning: Training Charlotte Content: Pretreatment for analysis in aquatic chemistry Instructor: Mei Sun Affiliation and Title: Department of Civil & Environmental Engineering, **Assistant Professor** Location: University of North Carolina at Charlotte 25, Sep Day 17 Tuesday Afternoon: Training Content: Natural elements and isotope fingerprints as a tool to trace waterrock interaction Instructor: David Vinson Affiliation and Title: Department of Geography & Earth Sciences, **Assistant Professor** Location: University of North Carolina at Charlotte Charlotte Morning: Training Content: Water quality and eutrophication modeling Instructor: James D. Bowen Affiliation and Title: Department of Civil & Environmental Engineering, Associate Professor Location: University of North Carolina at Charlotte Day 26, Sep Wednesday 18 Afternoon: Training Content: Monitoring and analysis of algal toxins in cyanobacteria bloom Instructor: James D. Bowen Affiliation and Title: Department of Civil & Environmental Engineering, **Associate Professor** Location: University of North Carolina at Charlotte Morning: Training Charlotte Content: Latest trends in analytical instruments and research progress in environmental analysis Instructor: Mei Sun Day 27, Sep Affiliation and Title: Department of Civil & Environmental Engineering, 19 Thursday **Assistant Professor** Place: University of North Carolina at Charlotte Afternoon: Summary and discussion 28, Sep Charlotte Day Departing from Charlotte Friday 20



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Day 21

Signature:

Mei Sun