

PROGRAM SCHEDULE

Nutrient Removal in Wastewater: Recovery and Reuse

INAUGURAL CEREMONY: July 02, 2018 10:00AM - 10:30 AM

Tea Break: 10.30 AM

Program Schedule

Lecture No.	Date	Time	Lecture Topics
1 - 2	July 02	11.00 AM – 4.00 PM	Lecture Topics
L1	Day 1	11:00-12:00 NOON	Introduction to the microbiology of carbon and nutrient removal
L2		12:00 - 1.00 PM	Activated sludge fundamentals <i>Assignment 1</i>
		1:00 - 1:30 PM	<i>LUNCH BREAK</i>
		1:30 – 2.30 PM	Design of modified activated sludge processes
T1 (AAK)		2:30 - 3:30 PM	Tutorial 1: Practical design of activated sludge
		3:30- 4:00 PM	<i>TEA BREAK</i>
3 - 4	July 03	9.30 AM – 4.00 PM	Lecture Topics
L3	Day 2	9:30 - 10:30 AM	Activated sludge system for carbon removal
L4		10:30 - 11:30 AM	Activated sludge for nutrient removal
		11:30 - 11:45 AM	<i>TEA BREAK</i>
T2-1		11:45 - 12:45 PM	Tutorial: Practical design of activated sludge for nutrient removal
		12:45 - 1:45 PM	Exam (Short Test – 1)
		1:45- 02:15 PM	<i>LUNCH BREAK</i>
T2-2		02:15- 03:15 PM	Tutorial: Practical design of activated sludge for nutrient removal & <i>Assignment 2</i>
	03:15 - 03:45 PM	<i>TEA BREAK</i>	
<i>PTO</i>			

5 - 6	July 04	9.30 AM – 4.00 PM	Lecture Topics
L5	Day 3	10:00 - 11:00 AM	IWA modelling (ASM1)
L6		<i>11:00 – 11.30 AM</i>	<i>TEA BREAK</i>
		11:30 - 12:30 PM	Influence of design and operational conditions
T3-1		12:30 - 01:30 PM	Tutorial : Software use
		<i>01.30 – 02.00 PM</i>	<i>LUNCH BREAK</i>
T3-2		<i>02.00 – 3.00 PM</i>	Tutorials and <u>Assignment 3</u>
		<i>03.00 – 03.30 PM</i>	<i>TEA BREAK</i>
7 - 8	July 05	9.30 AM – 4.00 PM	Lecture Topics
L7	Day 4	10:00 – 11:00 AM	Solid – liquid separation theory
L8		<i>11:00 - 11:15 AM</i>	<i>TEA BREAK</i>
		11:15 - 12:15 PM	Solid – liquid separation technologies
T4-1		12:15 - 01:15 PM	Tutorial: Design of primary clarifiers
		<i>01.15 – 01.45 PM</i>	<i>LUNCH BREAK</i>
T4-2		01.45 – 02.45 PM	Tutorial : Design of secondary clarifier
		02.45 – 03.45 PM	Exam (Short Test – 2)
	<i>03:45 - 04:15 PM</i>	<i>TEA BREAK</i>	
9 - 10	July 06	9.30 AM – 4.00 PM	Lecture Topics
L9	Day 5	09:30 - 10:30 AM	Odor Control Systems
L10		10:30 - 11:30 AM	Upgradation of existing wastewater treatment system for nutrient removal
		<i>11:30 - 11:45 AM</i>	<i>TEA BREAK</i>
T5-1		11:45-12:45 PM	Tutorial : Design of odor treatment systems
		<i>12.45 – 01.15 PM</i>	<i>LUNCH BREAK</i>
T5-2		01.45 – 2.15 PM	Tutorial : Biological treatment systems (BNR processes)
		02.15 – 03.15 PM	Final Exam
		04.00 – 04.30 PM	Valedictory Function
		<i>04:30 - 05:00 PM</i>	<i>TEA BREAK</i>