

TN0354 Sustainable technologies for low- and medium income countries, 7.5 credits

Normally the course is given on campus.

Day, date	Time	Room	Content	Teacher
Introduction to sustainable development in low- and medium income countries				
Wednesday, 30/08/2023	13:00- 15:00	Sal R, Ulls hus	Introduction and course material distribution	GG, TB, PML, JM
	15:15- 17:00		Lecture: Engineering a better world Introduction to low and middle income countries	PML
Wednesday, 06/09/2023	13:00- 15:00	Sall Q, Ulls hus	Lecture: Sustainable development and participatory research	CZ
	15:15- 16:30		Seminar: Sustainable development and appropriate technologies	GG
Small-scale transport technologies, logistics and value chain management				
Wednesday, 20/09/2023	13:00- 15:00	Sal Q, Ulls hus	Lecture: Post-harvest technologies (PHT) and rural logistics	GG
	15:15- 17:00		Lecture: Draught animal power as source of energy	GG
Wednesday, 27/09/2023	13:00- 17:00	Magasinet (Lervägen 2)	Lab work - Post-harvest technologies	TB, GG, PML, JM
Sustainable resource management: water, wastewater and solid waste				
Wednesday, 11/10/2023	13:00- 15:00	Sal Q, Ulls hus	Seminar: Water supply and treatment Exercise 01 – water resource management	TB

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	15:15-17:00	Sal Q, Ulls hus	Seminar: Solid waste management Exercise 02 – waste management	PML
Wednesday, 18/10/2023	13:00-14:00	Sall Q, Ulls hus	Seminar: Wastewater management	PML
	14:15-17:00		Lecture: Safe technologies for nutrient recycling	CL
Small-scale renewable energy technologies				
Wednesday, 01/11/2023	13:00-15:00	Sall Q, Ulls hus	Lecture: Current energy situation in low and middle income countries	AT
	15:15-17:00		Seminar: Hydropower, solar, and wind energy Exercise 03 – renewable energy	TB
Wednesday, 08/11/2023	13:00-14:00	Sall Q, Ulls hus	Seminar: Wood fuel, charcoal, cook stoves	CS
	14:15-15:15		Seminar: Biogas	DCB
	15:30-17:00		Project introduction	TB, GG, PML, JM
Wednesday, 15/11/2023	13:00-15:00	Sall Q, Ulls hus	Lecture: Food traceability	TB
	15:15-17:00		Lecture: System Analysis of communities in low income countries with emphasis on food, water and energy resources	JM
Wednesday, 22/11/2023	13:00-17:00	Sal Q, Ulls hus	Lab work presentation Project work & consultation (Presentation of project proposal by Group)	TB, GG, PML, JM
Wednesday, 06/12/2023	13:00-17:00	Sal Q, Ulls hus	Project progress evaluation/consultation	TB, GG, PML, JM
Wednesday, 12/12/2023			Draft submission for project consultation and progress evaluation	

Day, date	Time	Room	Content	Teacher
Wednesday, 10/01/2024	13:00- 17:00	Sall Q, Ulls hus	Project presentation (opposition and discussion)	TB, GG, PML, JM
Wednesday 17/01/2024			Corrected report submission for evaluation	

Lecturers

GG Girma Gebresenbet

TB Techane Bosona

CZ Christian Zurbrugg

JM Jennifer McConville

CL Cecilia Lalander

PML Priscila de Morais Lima

CS Cecilia Sundberg

AS Ashkan Tayebi

DCB Debendra Chandra Baruah