



Latvia University
of Life Sciences
and Technologies



NordPlus Network Rural Water Protection 2018

Intensive course Rural Water Protection: Principles and practice II

20 – 24 May 2019
Utena University of Applied Sciences

Welcome to intensive course to Utena, Lithuania!

During the course you can revise and process your knowledge about rural water protection and management. The course includes principles and practices of rural water protection in cooperation with other international students. Most of all, the course will be a great experience and opportunity to make international networking and just see a little bit world abroad 😊

Schedule for Rural Water Protection: Principles and practice – intensive course:

Date	Time	Lecture / activity topic	Teachers
Sunday	21:00	Arriving	Ainis Lagzdins LLU Ingrida Kepalaitė Utena UAS Sarita Ventelä SeAMK
Monday	9:00 – 9:30	Introduction to the course "Rural Water Protection: principles and practice"	Ainis Lagzdins LLU Ingrida Kepalaitė Utena UAS Sarita Ventelä SeAMK
	9:30-12:30	Universities and self introduction, presentations of pre-assignments	
	12:30-13:00	Lunch in university	
	13.00	Departue to NPA	
	14:00-18:00	Field trip: National park Aukštaitija and water sampling (measurements) in bathing waters: Lake Šakarva National Park Visitor Center Palūšė village Lake Lūšis Ginučiai water mill	

Date	Time	Lecture / activity topic	Teachers
	20:00	Picnic near water mill Lake Tauragnai Get-together party. Dinner together in cafe „Metų laikai“ (Aušros st. 49)	
Tuesday	9:00-10:30	Lecture „Chemical elements in water“	Sarita Ventelā SeAMK Nijolė Rukštelienė Utena UAS Ingrida Pliopaitė Bataitienė Utena UAS Ainis Lagzdins LLU Ingrida Kepalaitė Utena UAS
10:30-12:00	Practical work: Determination of Nitrate Nitrogen in Water by Spectrometric Method		
12:00-13:00	Lunch in university		
13:00-15:00	1st group Chemical laboratory work: Total water hardness 2nd group Laboratory work on microbiology: Detection and Enumeration of Intestinal Enterococci. Membrane filtration method (1 st part)		
15:00-17:00	1st group Laboratory work on microbiology: Detection and Enumeration of Intestinal Enterococci. Membrane filtration method (1 st part) 2nd group Chemical laboratory work: Total water hardness		
17:00-18:00	Lecture „Edge-of-field practices to reduce nutrient transport from agricultural areas“		
Wednesday	9:00	Departue	Ingrida Kepalaitė Utena UAS Ainis Lagzdins LLU Sarita Ventelā SeAMK
9.45-14:00	Field trip: Public Institution Alanta School Of Technology And Business (rural area)		
12:30-13:00	Lunch in school		
14.00	Departue		
15:00-17:00	Farm visit: Nutrient cycle and water protection on local beef cattle farm in Molėtai district (rural area)		

Date	Time	Lecture / activity topic	Teachers
	17:30-19:00	Field trip: Lithuanian Museum of Ethnocosmology (rural area) (near 6 lakes)	
Thursday	9:00-10:00	Laboratory work on microbiology: Detection and Enumeration of Intestinal Enterococci. Membrane filtration method (2 nd part) – in groups	Ainis Lagzdins LLU Nijolė Rukštelienė Utena UAS Ingrida Kepalaitė Utena UAS Sarita Ventelė SeAMK
10:00-11.10	Lecture „Water quality monitoring in agricultural areas“		
11.10-12.10	Laboratory work on microbiology: Detection and Enumeration of Intestinal Enterococci. Membrane filtration method (3 rd part)		
12.10-12.40	Lunch in university		
13.00-14.15	Field trip: Company UAB „Utenos vandenys“ - drinking water extraction, improvement and supply to consumers, waste water collection and treatment		
14.30-17:00	Field trip: UAB Švyturys - Utenos Alus - The Utenos Alus Brewery		
17:00-18:00	Discussion		
20:00	Get-together party. Dinner together in cafe „Metų laikai“ (Aušros st. 49)		
Friday	9:00-10:30	Presentations of results of learning diary. Discussion, course evaluation	Ainis Lagzdins LLU Ingrida Kepalaitė Utena UAS Sarita Ventelė SeAMK
10:30	Farewell and departue		

What to take with

During the week we will have some classroom studying but also we go out for field trips. That's why you are better to take suitable outside clothing with you. And yes, prepare to all kind of weather. However, you won't need rubber boots with you. Here are some items you need to have with you:

- passport
- insurance card
- money for dinners
- own laptop (one laptop per two persons will be needed)
- mobile phone
- notebook
- own knives, forks, spoons, and tea/coffee cups (in case would like to have separate breakfast/dinner at dormitories on your own)
- suitable outside clothes for all kind of weather
- sneakers or other comfortable shoes
- maybe sport clothes for evening activities
- towel and products for personal hygiene (soap, shampoo, toothbrush, and toothpaste)
- swimming suit (in case of suitable weather conditions for outdoor swimming)
- pre assignment (your own presentation)

Pre-assignments

A) Individual:

Make about 10-15 min presentation of yourself (for example PowerPoint) in English.

The presentation should include:

- Who you are and where you come from
- Hobbies
- About studies and work experience
- Professional plans
- Something else you want to share with others

B) As a “national team groups”:

Make a school presentation (about 15-20 minutes) together. We are interested in to hear at least things about:

- your City
- your School and faculty
- structure of your studies
- practical training
- projects
- Students leisure activities
- International activities
- What kind of jobs you can work after graduation

You can use pictures and videos in your presentation. Save the presentations to USB stick and Google Drive!

During the intensive week you keep a learning diary. Instructions for the task will be given on Monday. You will also have post-assignment given at the end of the week.

More information from your home university:

Ingrida Kepalaite, lecturer (Utena UAS) ingridak03@gmail.com

Sarita Ventelä, lecturer (SeAMK) Sarita.ventela@seamk.fi

Ainis Lagzdins, professor (LLU) ainis.lagzdins@llu.lv

Participation, breakfasts, lunches, dinners on Monday and Thursday, travel and accommodation are free for students.

Welcome and happy to see you all soon!

Sarita, Ingrida & Ainis