

Urban hydrological modelling

Applications with SWMM

WAT-E2030 Hydrological Modelling
21.2.2021



Aalto-yliopisto
Aalto-universitetet
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Finnish pioneer project, Kartanonkoski, City of Vantaa. Designers Ismo Häkkinen, Petra Tammisto and Ulla Loukkaanhuhta, constructor VRJ Etelä-Suomi Oy/City of Vantaa. Photo: Mikko Sillanpää

Schedule and contents

Monday 13 Feb, 9:00-12:00

- Introduction to the topic
- Individual modelling work begins

- Instructions and materials for the individual modelling assignment and the group work are given in MyCourses.

Thursday 16 Feb, 12:30-16:00

- Short presentation
- Individual modelling work (cont.)
- Group work begins

Monday 20 Feb, 9:00-12:00

- Group work (cont.)
- Group presentations
- Feedback and farewell

Time	Mon 13 Feb (9:00-12:00) Session 1	Time	Thu 16 Feb (12:30-16:00) Session 2	Time	Mon 20 Feb (9:00-12:00) Session 3
9:00-10:00	Lecture: Introduction to the week and topic	12:30-13:00	Short presentation	9:00-10:00	Introduction to the day's work
10:00-11:00	Individual modelling exercise	13:00-14:00	Students work with individual modelling exercise	10:00-11:00	Group work continues Group presentations
	SWMM demo (voluntary)	14:00-15:00			
11:00-12:00		15:00-16:00	Introduction to group work	11:00-12:00	
			Group work begins		Feedback

Today

Hrs	<i>Mon 21 Feb (9:00-12:00)</i> Session 3
9:00-9:15	Intro and instructions
9:15-10:15	Conduct group simulations and compile results
10:15-10:45	Prepare group presentation
10:45-11:45	Group presentations and discussion
11:45-12:00	Feedback

→ About 60 minutes for model simulations

→ About 30 minutes for preparing a presentation

→ Group presentations, all students participate. Each group is given 10 minutes including both presentation time AND discussion afterwards.

Instructions for the group work can be downloaded from MyCourses.
Read the instructions for the whole day before you begin!

Group presentations and discussion

Presentation time	Group no./members	Catchment no.
10:45-10:55	Group A Caroline L., Charlotta T., Frida M., Essi L., Tuomas R.	Catchment 1
10:55-11:05	Group D Lauri P., Enni I., Bhattarabhop V., Tetiama P.	Catchment 1
11:05-11:15	Group C Sofia H., Kaisa K., Tuomas H., Daria P., Antonino M.	Catchment 3
11:15-11:25	Group F Juha-Matti V., Wenli L., Antti K., Tiia W.	Catchment 3
11:25-11:35	Group E Aarni-Matti M., Iiris N., Nasti V., Joonas L.	Catchment 2
11:35-11:45	Group B Veera K., Ville V., Pihla S.	Catchment 2

Think about
comments or
questions for the
presenters.

You have just
conducted the same
analyses, so you must
have something to say
about others' work 😊

Final remarks and farewell

- **Deadline for written report Sunday 27.2.2023. If for some reason the MyCourses submission link does not work, send me your report by email: nora.sillanpaa@aalto.fi (but only if the link does not work 😊)**
- **If you need help for your modelling exercise or with the report, I will try to help you after the class.**

