WAT common courses: basic weekly structure

12.9.2016

The three common WAT courses are complementary and it is strongly recommended to take them together.
Together, the three courses provide an introduction to our entire field and Master's Programme = lot of information, but also plenty of work!

The courses thus require full-time studying, with majority of work being done in groups. This allows you also to learn your fellow students.
We therefore expect you are able to actively participate in teaching from Monday morning until Friday afternoon during the entire Period I.

The table below shows the basic weekly structure for the three common WAT courses during the seven weeks of Period I.
The table is indicative only, and some weeks (1st, 2nd, 4th & 7th) will have slightly different structure: the timetable is, however, the same.
Note that structure also indicates (with lighter colours) time reserved for individual and group work: not all activities are contact sessions!

12.9 - 28.10	Each week has its own weekly theme, context and method				
	Mon	**Tue**	**Wed**	**Thu**	**Fri**
Morning	WAT-E1020 WATER & ENVIRONMENT: presentation of last week's Weekly Task	WAT-E1010 INTRODUCTORY COURSE: contact session	WAT-E1030 COMPUTATIONAL METHODS: lecture	WAT-E1030 COMPUTATIONAL METHODS: studying individually	WAT-E1020 WATER & ENVIRONMENT: Session on Weekly Task
Afternoon	WAT-E1020 WATER & ENVIRONMENT: introduction to this week's theme	WAT-E1010 INTRODUCTORY COURSE: group work on Weekly Context Session	WAT-E1030 COMPUTATIONAL METHODS: exercise session	WAT-E1030 COMPUTATIONAL METHODS: studying individually	WAT-E1020 WATER & ENVIRONMENT: Group work on Weekly Task

WEEKLY THEMES, COMMON FOR ALL THREE COURSES

1) Sustainability & global resources MATTI & OLLI
2) Water and environmental quality PETRI & RIKU
3) Water resources management & hydrology HARRI
4) Environmental hydraulics JUHA
5) Water & wastewater engineering RIKU
6) Environmental engineering JAANA
7) Synthesis MARKO & RIKU

WEEKLY CONTEXT THEMES (WAT-E1010)

1) Group work
2) Legal setting
3) Water & environmental governance
4) Stakeholders
5) Entrepreneurship, with Aalto Ventures Programme (AVP)
6) Business-view
7) Multi- and interdisciplinarity

WEEKLY METHODS (WAT-E1030)

1) Statistical analysis
2) Laboratory analysis
3) Simulation modelling
4) Hydraulic flume: measurement & uncertainty
5) Spatial analysis
6) Life cycle assessment & Risk analysis