

Monday, 07.01

- 10:00 - 10:10 Welcome to the course - Janika Leoste
- 10:10 - 10:45 Changed the learning concept - prof Tobias Ley
- 10:45 - 11:30 Short overview of Estonian Educational System - Tiia Õun
- 11:30 - 11:45 Break
- 11:45 - 13:15 Seminar and workshop about using BeeBot robot

Home reading:

An article by Tobias Ley; an article by Tiia Õun; an article about using BeeBot robot in education

Tuesday, 08.01

- 10:00 - 10:45 Reflecting on the articles
- 10:45 - 11:30 Seminar and workshop about using Ozobot robot
- 11:30 - 11:45 Break
- 11:45 - 13:15 Seminar and workshop about using Dash robot

Home reading:

An article about using Ozobot robot in education; an article about using Dash robot in education

Wednesday, 9.01

- 10:00 - 10:45 Reflecting on the articles
- 10:45 - 11:30 Seminar and workshop about using Lego WeDo 2.0 robot
- 11:30 - 11:45 Break
- 11:45 - 13:15 Visiting Robotics EduInnoLab in Kullatera kindergarten or Robotics EduInnolab in Tallinn 21st School

Home reading:

An article about using LEGO WeDo 2.0 in education; an article by Janika Leoste about using robotics in mathematics in basic education

Thursday, 10.01

- 10:00 - 10:45 Reflecting on the articles
- 10:45 - 11:30 Seminar and workshop about using Edison V2.0 robot
- 11:30 - 11:45 Break
- 11:45 - 13:15 Preparing the home assignment - selecting topics for a short essay about using robots in education

Home work:

An article about using Edison robot in education; selecting a topic for the final essay assignment

Friday, 11.01

- 10:00 - 10:45 Reflecting on the essay topics
- 10:45 - 11:30 Collaborative design of a robotics mathematics playfield or lesson plan for kindergartens or for primary schools

- 11:30 - 11:45 Break
- 11:45 - 13:00 Presentations of the design assignments
- 13:00 - 13:15 Closing notes

Course final assignment:

Preparing a short essay (two pages in A4) on the topic "How Could Educational Robots Change Learning and Teaching". Deadline is the 19th of January.

Reviewing essays and writing reviews for the participants. Deadline is the 31th of January.

Students who are present the whole course period, take part in the collective design assignment and successfully present their essay to the leading lecturer by the 19th of January will be granted 2 ECTS.