

# A+ release v1.8 January 2021

Focus on accessibility and usability

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Aalto University

15.1.2021

<https://apluslms.github.io/>

<https://wiki.aalto.fi/display/EDIT/EDIT>

# Release notes v1.8

- <https://wiki.aalto.fi/display/EDIT/Aplus+version+upgrade+and+service+break+January+4th+2021>
- Revamped sections: improved accessibility and usability
- New main colours: better contrast
- Improvements to multilingual content
- A-plus-rst-tools chapter link fixes (update to a-plus-rst-tools v1.3)
- RST: aplusmeta substitutions for defining all deadlines in conf.py
- Plenty of other fixes

# A+ front page

Welcome to A+ modern learning environment

## My courses




**Aplus Manual**  
master  
EDIT  
1.7.2020 – 1.7.2021

Aalto MOOC

## All ongoing courses

[See all course](#)




**Ohjelmointistudio 2**  
k2021  
CS-C2120  
13.1.2021 – 1.6.2021

Aalto MOOC




**Semantic Web**  
2021 Spring  
CS-E4410  
13.1.2021 – 16.4.2021

Aalto MOOC



**Tietotekniikka sovelluksissa**  
2021  
CS-A1130  
8.1.2021 – 20.12.2021

Aalto



**Advanced Course in Algorithms**  
2021  
CS-E4500  
4.1.2021 – 16.4.2021

Aalto

# Login page

A+ Select course ▾

## Log in to A+

### Aalto University users

Log in with your Aalto University user account by clicking on the button below. FiTech, Open University and programme students as well as staff members must log in here.

Log in with Aalto account

### Users external to Aalto

Some of our courses are open for everyone. Log in with your user account from one of the following services.

Log in using Google



You may want to read our [privacy notice](#).

# User profile page

**Markku Riekkinen**

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## A+ Preferences

### Language

English



Save

### API Access Token

\*\*\*\*\*

 Copy

### Automatic redirections

No services marked for automatic redirection on this device.

## Information provided by Google

The following settings can be changed in your identity provider.

Student ID	[Missing]
E-mail	markku.riekkinen@XXXX
Username	markku.riekkinen@XXXX

# Course archive page

## Course archive

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### 2021

#### Ohjelmointistudio 2

k2021

CS-C2120

13.1.2021 – 1.6.2021

#### Semantic Web

2021 Spring

CS-E4410

13.1.2021 – 16.4.2021

#### Tietotekniikka sovelluksissa

2021

CS-A1130

8.1.2021 – 20.12.2021

### 2020

#### Ohjelmoinnin peruskurssi Y2

#### Introduction to DevOps

#### Concurrent Programming

# Course news

A+ CS-A1110 Ohjelmointi 1 ▾

Course

CS-A1110

Course materials

Exercise results

Form a group

Code Vault

Lab Queue

Piazza forum

Telegram chat

Lab sessions

Glossary

Scala reference

O1Library docs

FAQ

IntelliJ installation

Learning goals

Style guide


Debugger

Resources

For the reader


Tervetuloa Ohjelmointi 1 -kurssille!

Tämä on **oppimisympäristö A+**, jota käytämme **O1:n** eli Ohjelmointi 1 -kurssin ja sen avoimen verkkoversion tarjoamiseen. Löydät täältä kurssin oppimateriaalin, johon on upotettu myös harjoitustehtävät. Heti tuosta alta löydät uutispalstan ja vasemmalta valikon, josta on mm. kurssin esittelyn sisältävä oppimateriaali.

Jos osaat suomea mutta **A+** näkyy sinulla englanninkielisenä, vaihda kieltä  nappulalla vasemman reunan valikon yläosassa.

Welcome to Programming 1!

This is the **A+ course platform** that we use to run the course Programming 1, better known as **O1**. You'll find all the course materials and assignments here in A+. There is a section for announcements immediately below. The menu on the left contains links to all the course info and materials.

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Course news

Kurssipalautekyselyn koosteSummary of end-of-course feedback

Wednesday, 16 December 2020, 13:22

Kooste kurssipalautekyselyn vastauksista on julkaistu. Kiitos menneestä kurssista!

(Jos et vielä vastannut, niin hophop. Kelpuutamme ja luemme myöhässäkin tulleet.)

We've [published a summary of the course feedback](#) that we received. Thank you for answering the questionnaire and taking part in O1!

(If you didn't answer the questionnaire yet, chop chop! We'll accept and read late feedback, too.)

Muista kurssipalautelomake! Ja katso robotit ja pelit!Remember the end-of-course questionnaire! And the last bulletin.

Wednesday, 9 December 2020, 13:06

Kurssi vedetään yhteen ja jatkokursseja esitellään materiaalin luvussa 13.0. Sieltä löytyvien linkkien päähän julkaistaan myös assistenttien suosikkitekstipelit ja robottiturnauksen tulokset.

Kurssikysely on julkaistu luvussa 13.1. Kyselyyn vastaaminen on pakollinen osa kurssia. Deadline on ke 16.12., mutta asia kannattaa hoitaa heti.

Hyvää joulunaikaa ja jatkoa ohjelmoinnin parissa!

The last bulletin is in Chapter 13.0. The assistants' favorite games and the results of the robot tournament will also be published there.

The course feedback questionnaire is now open in Chapter 13.1. It is a mandatory component of O1. The deadline is Wednesday Dec 16th, but you might just as well fill in it right now, right?

Enjoy the holidays and happy programming!

# Questionnaires

Points **0 / 20** My submissions **1 / 3** Deadline Thursday, 1 July 2021, 12:00

## A simple multiple-choice questionnaire

### Question 1 **0 / 10**

Subdirective **pick-one** defines a single-choice question. When  $(x + 1)^3 = 27$ , what is  $x$ ?

- ☐ 9
- ☐ 2
- ☒ 3

*Rather close. Remember that you can add or subtract the same number to the both sides of the equation.*

✗ Incorrect

### Question 2 **0 / 10**

Subdirective **pick-any** defines a multiple-choice question.

When  $(x + 1)^2 = 16$ , what is  $x$ ?

☒ 4

*Rather close. Remember that you can add or subtract the same number to the both sides of the equation.*

☒ an integer

*Correct!*

☐ 3

☐ an irrational number

☐ -3

☒ -5

*Correct!  $(-5 + 1)^2 = 16$*

✗ Incorrect

Submit



# New main colours

A+ EDIT Aplus Manual ▾



## Course

EDIT

Course materials

Exercise results

Form a group

## Links

Support Chat

MyCourses

Google

## Tools

Code Vault

Lab Queue

This is the **A+ manual for teachers that describes how to develop courses on the platform**. The git repository of this course is available at <https://github.com/apluslms/aplus-manual>.

Filter view: ☒ active elements ☒ enrollment ☒ questionnaire ☒ submit

1. Overview

0 / 0

2. Set up your environment

0 / 0

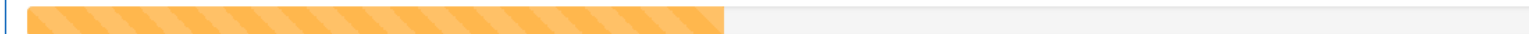
3. Style Aplus courses

0 / 0

4. Questionnaires

30 / 65

Wednesday, 1 July 2020, 12:00 – Thursday, 1 July 2021, 12:00



Exercise	Category	Submissions	Points
<b>4.1 Creating questionnaire exercises</b>			
4.1.1 A simple multiple-choice questionnaire	questionnaire	1 / 3 ▾	0 / 20
4.1.2 A simple multiple-choice questionnaire	questionnaire	1 / 3 ▾	10 / 15
4.1.3 Exercise questionnaire_text_demo_2	questionnaire	1 / 5 ▾	10 / 10
4.1.4 Fun with regular expressions	questionnaire	1 / 10 ▾	10 / 20

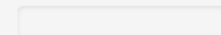
questionnaire

30 / 67



submit

0 / 350



# Multilingual courses: selected language is saved for each course

A+ CS-A1110 Ohjelmointi 1 ▾

## Course



CS-A1110

suomi

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# Link to a specific language version of the page

- <https://plus.cs.aalto.fi/accounts/privacy-notice/?hl=en>
- <https://plus.cs.aalto.fi/accounts/privacy-notice/?hl=fi>

## Privacy Notice

The [privacy notice of Aalto University](#)  concerns the A+ learning platform too. The notice concerns degree students, exchange students, non-degree students who have a right to pursue single course(s) and Open University students.

## Tietosuojailmoitus

[Aalto-yliopiston tietosuojailmoitus](#)  koskee myös A+-oppimisjärjestelmää. Ilmoitus koskee tutkinto-opiskelijoita, vaihto-opiskelijoita, erillisopiskelijoita sekä avoimen yliopiston opiskelijoita.

# A-plus-rst-tools: fixes to chapter links

- Remember to upgrade the a-plus-rst-tools git submodule in your course git repository!

[« 2.3 Docker](#)

[Course materials](#)

[2.5 Set up Visual Studio Code »](#)

[EDIT](#) / [2. Set up your environment](#) / [2.4 Text editors and integrated development environments](#)

## Text editors and integrated development environments

**Main questions:** What type of text editors or integrated development environment (IDE) can I use to create courses for the A+ platform?

**Topics:** In this section, we will provide you with a list of text editors and IDEs for editing RST documents:

- [Text editors and IDEs](#)

**Material:** In this chapter, you won't need any additional material.

**Requirements:** You should have a basic understanding on text editors and IDEs.

**Estimated working time:** We suggest you to access every link presented and skim through the the documentation of each text editor and IDE. Therefore, it may take you a couple of hours to read the content of this chapter.

## Text editors and IDEs

The course content, as mentioned in previous chapters, consist of several **RST** files. Therefore, you are going to need a versatile and powerful [text editor](#). We suggest using text editors with advanced functionalities, such as Vim, or Emacs. Nevertheless, we advocate the use of [IDEs](#) over any text editors, especially VS Code and the [A+ Tools extension](#).

In any case, we will provide you with a list of some of text editors and IDEs that are well know for being used to write RST documents. You can access each link and read more about each of these tools and choose the one that best suits your needs.

# A-plus-rst-tools: aplusmeta substitutions in conf.py

```
Module 1 - Introduction
=====

.. toctree::

    introduction
    topic

.. aplusmeta::
    :open-time: 2020-09-01 10:00
    :close-time: 2020-09-30 14:00
```

Alternatively, one can also define these options in the conf.py file of the course in the following way.

1. Add the `aplusmeta_substitutions` variable in the conf.py file.

```
aplusmeta_substitutions = {
    'open01': '2020-09-10 10:01'
}
```

This variable is a dictionary where keys are strings and values are dates in the usual format (see above). In the example above, you have defined a shortcut text "open01" for date "2020-09-10 10:01".

2. Use the shortcut texts in the aplusmeta directive in a module index.rst:

```
.. aplusmeta::
    :open-time: open01
    :close-time: 2019-09-20 12:00
    :late-time: 2019-12-20 09:00
```

3. When the course is compiled, the aplusmeta directive looks for substitution strings in the `aplusmeta_substitutions` dictionary. The substitutions can be named freely as long as they are not RST markup (e.g. 'open01' will not work). The substitutions can be used with any option of the meta directive.