

## Information about digital exams for students

Linköping University is introducing digital exams during 2019. This service will use a web-based solution called WISEflow and we expect most students to use their own laptops. In order to connect to WISEflow (during the exam) you must install a secure web browser called FLOWlock. This document contains a short check list for students who are about to take digital exams.

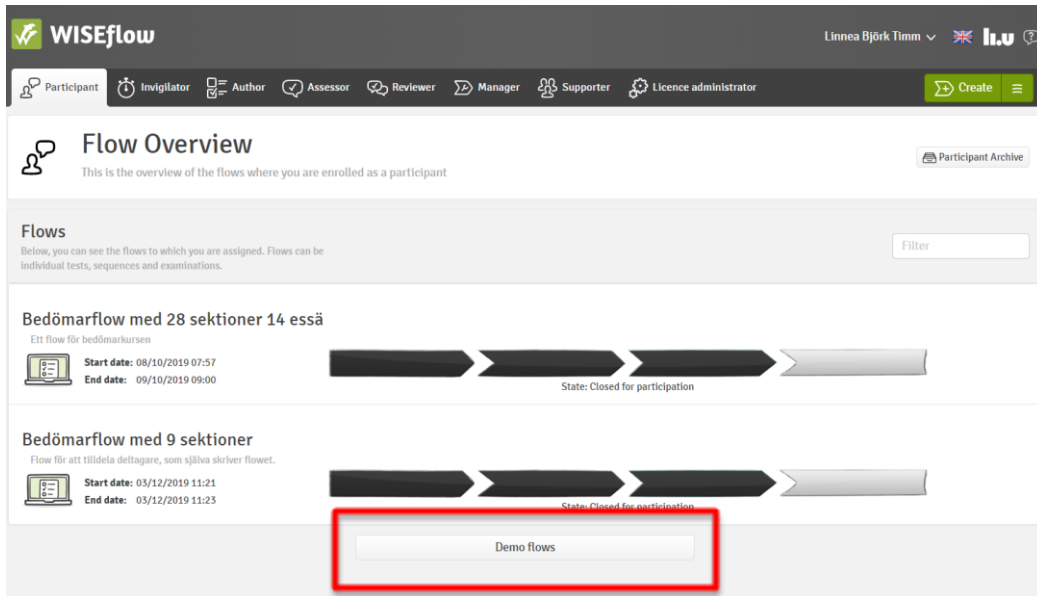
### When you start the course

#### FLOWlock

Download FLOWlock and check that you have the correct version. You can do this by logging into <http://europe.wiseflow.net> using your LiU-id and the authentication method eduGAIN. In the upper right corner, you can see your name and there you can select to *Edit profile*. On the tab *System requirements*, you can select to download FLOWlock.

The screenshot shows the WISEflow user interface. At the top, there is a navigation bar with the WISEflow logo, the user's name 'Peter Dalenius', and the LiU logo. Below this is a menu with icons for Participant, Invigilator, Author, Assessor, Reviewer, Manager, Supporter, and Licence administrator, along with a 'Create' button. The main content area is titled 'Profile Settings' and has tabs for 'Personal information', 'Email', 'Start page', and 'System requirements'. The 'System requirements' tab is active and contains two sections: 'Basic requirements' and 'FLOWlock Requirements'. The 'Basic requirements' section lists 'Browser' as Chrome 77 and 'Operating system' as Windows, both with checkmarks. The 'FLOWlock Requirements' section includes instructions to download and install the FLOWlock browser, a 'Download Windows version' button, a 'Test browser' button, and options to 'Start the flow' for 'Demonstration of FLOWlock' and 'Demonstration of FLOWmulti'.

Take a demo exam (demo flow) to see how WISEflow works. You can find these by clicking the *Demo flows* button at the bottom of the *Flow Overview* page in WISEflow.



You can get FLOWlock for Windows and MacOS X. Google Chrome is the recommended web browser to connect to WISEflow. If you **do not** have an updated laptop with Windows or MacOS X, we suggest that you book a guest computer. There is a limited number of guest computers available for booking for each exam.

### Eduroam

Check that you can connect to the wireless network *eduroam* with your computer. Please note that *eduroam* and *LiU* are two different networks. Eduroam has a separate password that you can get from <http://minit.liu.se>.

Select *Connect automatically* for eduroam.

Sometimes you can get a warning message that you have lost the connection to eduroam. Usually, you are reconnected automatically, if your computer is setup that way. If you are not reconnected, a green button will appear in the top right part of your screen where you can save your exam locally. Make sure to do that. Contact an invigilator if the problem persists.

## Ten days before the exam

The last day for booking a guest computer is the same day as the deadline for registering for the exam. You can book a guest computer by filling out the form at the Student Portal. The form is found in *Exam registration*.

## During the exam

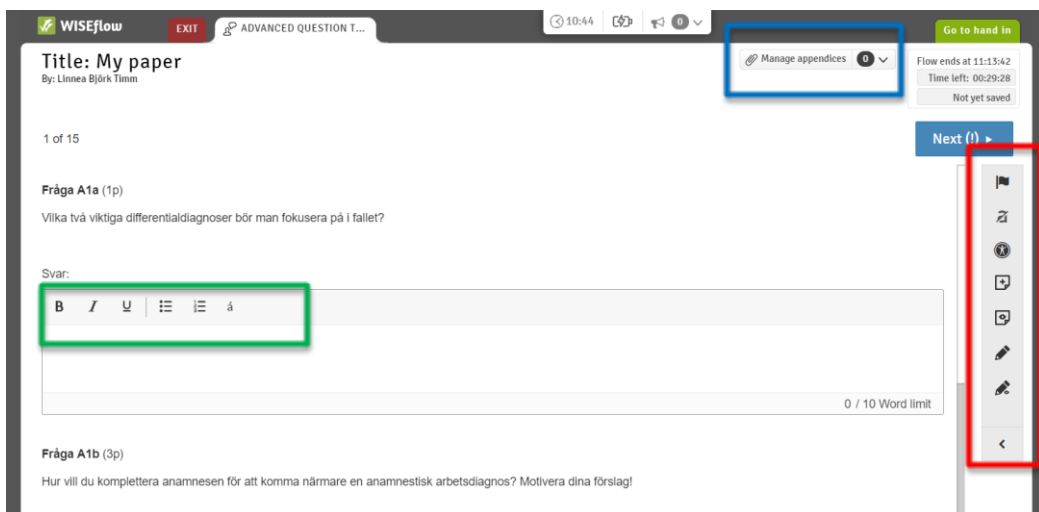
- Be there on time! Doors will open half an hour before the start. If there is a problem with the computer, there will be time to fix the problem or to get an extra guest computer.
- Bring your own power cable and connect it. Keep it connected during the entire exam.
- Login to WISEflow and start the flow as soon as you are set up.
- If you want to, you can bring an external mouse and/or keyboard.

## Tools available during the exam

You have access to a panel with different tools to the right in the FLOWlock browser, marked with a **red** square. These tools are only to be used for your own notes and drawings. The assessor **will not** see anything you write or draw with these.

Each question has their own tools for responding to the specific question, marked with a **green** square. These may look a bit different for different questions, but you can never use the tools on the right to answer questions.

Essay questions sometimes have the option to add appendixes, for example an image drawn on the computer, or a hand-drawn sketch that you photograph with your web camera. The appendix tool is marked with a **blue** square. Please note that the appendixes are added to the specific question you upload them to, so make sure that you use the appendix tool on the correct question. When you move on to the next question, the appendix tool will appear empty again, which is correct since you haven't added any appendixes to the new question.



Questions?

If you have questions regarding digital exams, please contact LiU IT Support, [helpdesk@liu.se](mailto:helpdesk@liu.se).