Hybrid education on location

Lecturers cannot only let students participate in education provided in classrooms from their homes, but also in practical training that takes place on location (such as in the stable or at the dissecting table). The method for this is the same as organising an online class/meeting from home. The method featured below describes the use of Microsoft Teams during practical education and provides tips on how to log in with multiple devices (iPhone/iPad) at the same time on the same account in order to have multiple cameras at your disposal.

Requirements
1. Laptop or iPad with which you can log in on Teams in order to communicate with the students at home
2. One additional device (or more) with which you can log in on the same Teams account, such as a smartphone or an iPad
3. Possibly a tripod with a holder for this additional device (Multimedia has such a tripod)
4. Working Wi-Fi connection (such as eduroam)

Before the start of the education
Plan a Teams meeting way in advance with your schedule in Outlook or with your ‘Calendar’ in Teams. Share the link to the meeting with all participating students, such as on Blackboard or via email.

Click [here](#) for more information on setting up a Microsoft Teams meeting and sharing the link.

Logging in with multiple devices at the same time
In practical training, it is often handy to have a mobile camera at your disposal alongside a fixed camera. This lets you log in with multiple devices at the same time on the same Teams account and then enter the same meeting. You do this by using the meeting link you shared with students earlier or by going to the scheduled appointment in your Teams Calendar and clicking on the meeting link there. Once you are logged in, you decide what your fixed camera position is and which device you want to use as a mobile camera. For a fixed camera position, it is handy to choose a laptop or an iPad because these have bigger screens and keyboards, making it easier to communicate with the students at home via chat. For a mobile camera position, you use a smartphone or an iPad.

Tip! Switch off the sound and microphone of this second device to prevent speaker feedback. On your laptop, you click on the microphone icon in the taskbar at the top of the screen; on your smartphone, you touch the screen to bring up the same icon.

Use multiple cameras
Now that you are logged in on the same account with multiple devices, it is good to know that you can ‘broadcast’ only one camera link at the same time to the students at home. In order to switch between both camera links, you click on the camera icon (next to the microphone icon). This enables you to
switch between the cameras an infinite number of times during the meeting. It is also possible to log in on Teams with more than two devices at the same time.

**Tip!** Continuously moving image (smartphone) can be very hectic to the students at home, so use a tripod where possible or regularly switch back to the fixed camera position (laptop) during the meeting.

**Hybrid education on location:**

1. Plan a Teams meeting via your Outlook schedule or Calendar in Teams
2. Share the meeting link with all students in the course (such as on Blackboard or via email)
3. Participate in the meeting with multiple devices logged in on the same Teams account
4. Mute the sound and microphone of the mobile device
5. Switch between cameras by means of the camera icon in Teams

Below, you see a screenshot of my screen while I am at home communicating with Jonathan at the Monsterbaan location via Teams. Jonathan is logged in on Teams with his laptop and smartphone at the same time. We see the image of his phone while he communicates with me via his laptop.

If you still have questions despite this explanation, please schedule an appointment with Bas Niemans (Marketing Communication & Multimedia) on Teams to see how this works in practice.