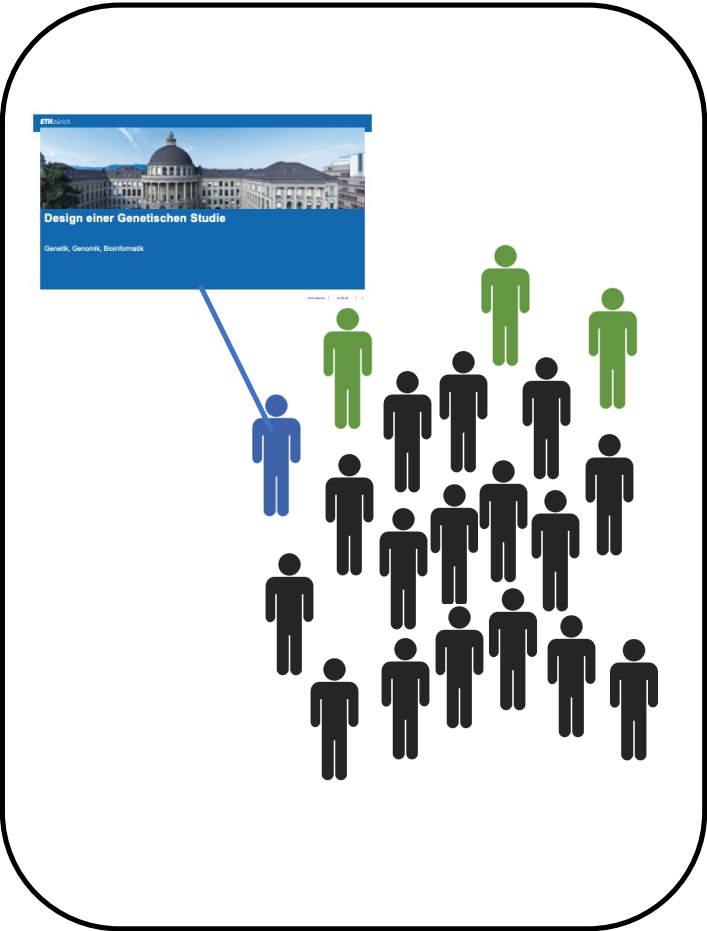


The challenge: Transfer a multi-coach, in-class, group exercise to ZOOM

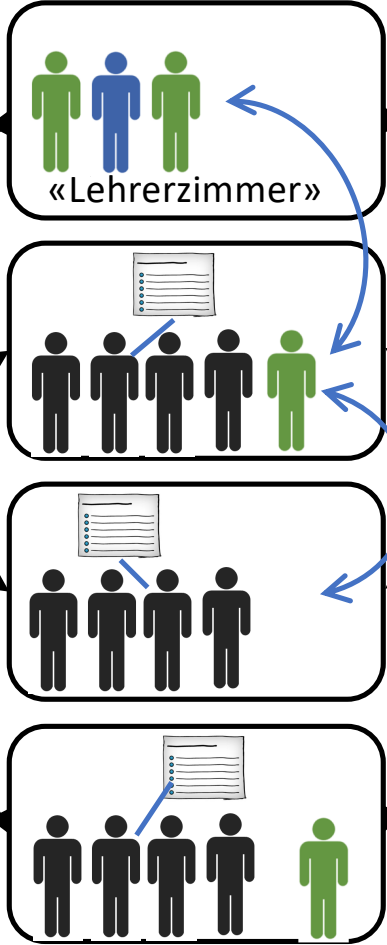


- Genetics, Genomics, Bioinformatics Course
- ~100 4th semester students enrolled (mostly D-Biol)
- 2 x 45 min session
- Students prepare for class with selfstudy material and design a genetic study on a given topic at home.
- Groups of 5 Students are formed.
- Students and coaches (~6-8) meet in lecture hall.
- Short intro then students work in groups to consolidate their individual studies into a final group design.
- **Coaches walk from group to group, answer questions and give input on different topics.**
- Selected groups present their study design and receive feedback.
- Rest of groups hand in their final design via Moodle

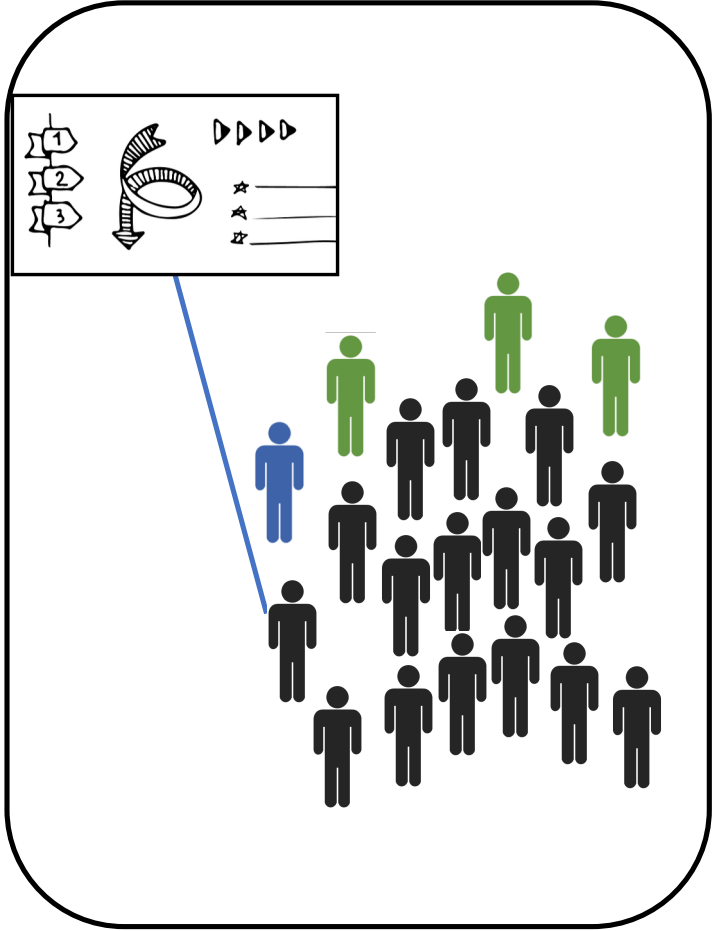
Chat (e.g. on Moodle) for communication across different rooms



80 Students, 6 Coaches, 1 Host



17 Breakout Rooms
(up to 40 possible)



Organizational

Only co-hosts can jump from breakout room to breakout room, and only if they are in a breakout room already. To enable this we made a breakout room (»Lehrerzimmer) for the co-hosts (i.e. coaches)

Co-hosts need to have a licensed account and they need to be on a computer (we had problems with co-host on iPad). Hilfsassistenten will have to get a new Zoom account ...@ethz.ch and be upgraded to licensed in order to be co-host (i.e. coaches)

Host needs to assign co-hosts. Either via the ethz.zoom.us before meeting or during meeting via the «manage participants»-window.

Breakout room assignments can be uploaded prior to the meeting via a .csv file. Beware that even small deviations (empty space, formatting copied from excel etc.) will cause errors during upload. Count on this taking a few hours to organize.

Zoom's chat function in combination with breakout rooms leads to strange behavior. Also «get help» messages from the breakout rooms only go to host. Better to have a parallel chat on an independent platform for communication (e.g. students who dropped out of meeting due to cut internet connection) and one coach assigned to monitoring this chat.

Ask one of the students in the breakout rooms to screen share the documents they are working on. Visiting Coaches can then see this document when they join.

Things to improve / keep in mind

Communicate with students well in advance and have a clear and consistent message.

Coordinate across teachers in department or semester to have some level of consistency across events.

If at all possible, do a test run with the coaches 1-day before the actual meeting.

Continue to communicate with students to

- a) register on Zoom with their @student.ethz.ch email
- b) use this account to join the Zoom meeting. (if not, automatic room assignments fail.)

Send students to a waiting room, which then closes automatically once the class starts. This way coaches can have last minute discussions prior to start of meeting.

Take your time estimate for the class and multiply it by 1.5