Remote Students - Agreement

This is a written agreement between **Fab Academy Global Coordination** and ………………Peter Holm……………………….., a 2019 Fab Academy Student, for the purpose of detailing the conditions for accessing the Program.

It is stated that Fab Academy Global Coordination advices against taking the course remotely, without a Local Instructor present in an Fab Lab that has not passed the assessment process to become an Active Node. Full requirements here: http://fabacademy.org/nodes/ . Beyond the technical skills, Fab Academy has a unique structure and dynamics that makes it particularly challenging to follow at a distance and alone. Fab Academy normally involves considerable independent study but strongly relies on the support of a readily available local instructor and a cohort of Fab Academy students working together in the same Lab. Remote Fab Academy students may not inherently have ready access to some of these resources. Because of this, remote students will need to be more self-driven, more self-sufficient, more resourceful and plan ahead more.

Nevertheless, in this specific case, and with the goal of further expanding the Fab Academy Node's Network, Fab Academy Global Coordination accepts the application of the above mentioned student to become a remote student working Locally in the ….…SnoCo……….. Fab Lab, and following classes with the active Node …Vancouver, BC……….. .

Students accepting to participate remotely are aware and responsible for their choice.

The acceptance of the above mentioned student is subject to the following guidelines and notions:

1. Local Fab Lab Assessment: remote students will need regular (ideally daily), access to a fully equipped Fab Lab in which to develop the assignments and projects needed to pass Fab Academy. The Instructors will go over an assessment of the local Fab Lab that will host the remote student to make sure all requirements are in place and completely operational:

Machines & Tools
- ➢ Large (4'x8') CNC milling machine with proper tooling
- ➢ Computer-controlled laser cutter
- ➢ Vinyl cutter
- ➢ Precision (micron resolution) milling machine with proper tooling
- ➢ 3d printer
- ➢ Internet access and the ability to video conference with camera & microphone.
- ➢ Surface mount soldering station
- ➢ Hand and power tools

Materials
- ➢ Programming tools for low-cost high-speed embedded processors
- ➢ Course-required surface mount electronics components
- ➢ FR1 stock for machining circuit boards
- ➢ Molding and casting supplies
- ➢ Cardboard, sheet plywood and other consumable stock materials

It is very important that the local Fab Lab have all of the tools, materials, and components <u>before</u> the student needs them to complete the assignments and projects. Some required items are not always in stock and delivery times can vary considerably. You will often need extra components since mistakes happen most frequently when you are first learning and you may need to make multiple iterations of an assignment or project to perfect it.

It is highly recommended that students dedicate a decent laptop for Fab Academy, in which to store programs, files, screen captures, documentation, etc.

2. Active Node affiliation: remote students need to be registered under a listed Active Node to be able to take the course. This Node will provide Instructor's guidance and technical training as well as assignment reviews and Local Evaluation.

3. Academic support: As a remote student it will be especially important for you to know where to go for help and information. The use of synchronous (video-conferencing, telephone calls..) and asynchronous (email, forums..) communication technologies will be necessary to communicate with Fab Academy administration, your instructor, and other Fab Academy students around the world. If possible, before Fab Academy starts identify local content experts that would be willing to help you occasionally. They can be a very valuable and time saving resource.

4. Calendar: The Instructors will arrange a calendar for periodical meetings to follow up on class developments. Remote students need to participate in a minimum of 2 remote meetings a week with their instructors, plus attend to Neil's class on Wednesdays at 9:00 on the US East Coast. Wednesday classes are Mandatory.

5. In-Person attendance: if possible, we strongly recommend remote students attend their Remote Node one or more weeks during the Program, both for experiencing the peer-driven environment typically related to Fab Academy local cohorts and also to address specific doubts they may have accumulated during the course.

6. Group Assignment: Fab Academy assignments are all individual (with optional group activities), but one: Machine Design. It is recommended for remote students to start planning this assignment ahead, together with their Instructors, to be able to meet the schedule, and successfully collaborating remotely to design, prototype and present a viable machine.

7. Tutorials & Documents: We <u>strongly</u> recommend remote students start watching some of past year's classes, and tutorials, to make sure basic notions are acquired in advance. Have in mind that if you rate your proficiency in *2D and 3D modeling*, *Digital fabrication, Electronics programming, Web design and development* between Low and Medium, the course should be considered a full-time dedication program of around 35 hours per week.

➢ 2018 Classes:http://fab.academany.org/2018/lectures/
➢ Tutorials: http://fabacademy.org/2018/docs/FabAcademy-Tutorials/
➢ Handbook:
http://fabacademy.org/2018/docs/FabAcademy-Handbook/01_introduction.html