

BIOENG-602 **Let's experiment**

Manley Suliana

Cursus	Sem.	Type
Biotechnology and Bioengineering		Opt.

Language of teaching	English
Credits	1
Session	
Exam	Oral presentation
Workload	30h
<b>Hours</b>	<b>28</b>
Lecture	14
Exercises	7
Project	7
<b>Number of positions</b>	<b>6</b>

**Frequency**

Every year

**Remark**

Meeting times will be determined according to the professor and participants availabilities.

**Summary**

Before you step into the lab to do an experiment, you have a long list of questions: How do I design an experiment that will give a clear answer to my question? What model system should I use? What are my controls? What's an ideal sample size? How can I tell if the experiment worked?

**Content**

The course entails a small group of students watching the on-line videos made by scientists, then doing written exercises, and finally discussing these exercises and videos with the course moderator. There will also be a final independent project. It should take ~3 hrs per week for 7 weeks, plus 7 hours to prepare the project.

<https://courses.ibiology.org/catalog/LE/SP/>

Evaluation will be comprised of exercises, class participation, and a final project. Attendance to all sessions is mandatory.

There is very limited space: To sign up for the course please send [suliana.manley@epfl.ch](mailto:suliana.manley@epfl.ch) a brief (<1/2 page) justification for why you want to take the course. Please include your matriculation date. The course is aimed at students who are in the early stages of their PhD.

**IMPORTANT:** Once you have been approved by the course professor, the EDBB administrator will sign you up for the course in your student portal. Do not sign yourself up

**Note**

Minimum number of participants for the course to take place: 3

**Assessment methods**

Oral presentation