### Assessment Form[[1]](#footnote-1): Maker Lab Lab Journal

*Student name: name Assessor(s): name(s)*

*Date: when*

**Needs work Satisfactory Excellent**

**40% 70% 100%**

**I. Sections (are they complete and correct?)**

1 General (goal/background/research question/hypothesis)   

2 Ethical and Safety considerations response required (see below)

3 Back-of-the-napkin calculations/initial tests/pilot experiments   

4 Methods (measurement(s)/variables-parameters/equipment/setup/procedure)   

5 Implementation (inclusion of raw data/clear what they represent)   

6 Data analysis (valid processing explained by text or code comments)   

7 Discussion (how data constitute evidence for answering research question)   

8 Conclusion (reach and limitations of findings, also in broader context)   

**II. Proactive, initiative-taking work on some points above**

* Quantitative scientific background / back-of-the-napkin calculations   
* Optimizing methods / iterative improvements based on initial experiments   
* Insightful analysis and mathematical modeling   

**III. Penalties (*subtracted from overall grade*) penalty:**

* negligently cites relevant/authoritative sources or some borrowed material?

(note that plagiarism will be handled differently)

* fails to consider ethics and safety of experiments?

(note that willful negligence will be handled differently)

* late submission?

Remarks and/or Questions:



Grade: % (average of the 10 graded categories minus any penalties)

1. Note that Freek Pols (<https://orcid.org/0000-0002-4690-6460> ) helped with the conception and development of these course materials. [↑](#footnote-ref-1)