

How I teach physics using open source tools

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The nice aspect of being a physicist and a researcher is the openness of our community. There is a lot of collaboration and sharing of ideas (especially during coffee breaks). We also tend to share the software we write. Since we are very picky about algorithms, we want to modify other people's code to fix the obvious errors that we find. It feels frustrating when I have to use proprietary tools since I cannot understand their inner workings. Having grown up professionally in such an environment, open source has been my go-to solution for all the software I use.

When I became the regular teacher of the Physics and Biophysics course at the medical school at my university, I decided to use only open source software to prepare my lectures. Here is my experience so far and the solutions I found.

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[1] <http://www.tuxmachines.org/taxonomy/term/72>

[2] <https://opensource.com/article/20/1/teach-physics-open-source>