Lab #0 – Install Lumerical tools and Klayout. This lab has no points.

Submission Link: Not Required

Due: September 5, 2018

Note that you must use the Lumerical license from this course only for the lab and homework assignments as well as your final project in ECE580B6. Using the free license for other purposes is prohibited.

Step 1: Follow the instructions below to install Lumerical <u>MODE, FDTD, and INTERCONNECT</u>.

The licenses for ECE580B6 have been set up and deployed. Thank you for your support of Lumerical and the CUE program. The licenses are set up as individual, node-locked licenses, valid from *August 20 through December 15, 2018*.

Please follow these steps to activate your license:

1.   [Register on the Lumerical website](#) with **your academic email address**. Users who are already registered can login and proceed to Step 2.

*Please note that students will need to activate the software using their **colostate.edu** email addresses*

2.   To confirm the licenses and obtain an activation code:

https://www.lumerical.com/portal/workshop.html?ec=3F689B

3.   Clicking the link will redirect you to the Workshop/Course Portal. Once in the Workshop/Course Portal, you will be asked to confirm your workshop/course registration.

4.   After confirmation, you will receive an email with the activation code and will be provided with download links to download the relevant software tools. Each student must install the software tools on their own computer and use the provided activation code to activate the software.

You can watch this video for more information on registering and activating their node-locked licenses: [Individual CUE License Installation](#)

You will have free access to the courses offered through [Lumerical University](#) for the duration of the license entitlements (once registered and activated). Lumerical University offers work-at-your-own-pace modules designed to quickly acquaint users with Lumerical tools. The Lumerical Knowledge Base (KB) provides additional resources for installation support: [Knowledge Base: Installation and Setup](#). The Lumerical Knowledge Exchange (KX) is the online community to share ideas, ask questions, and learn the latest tips for getting the most out of the software tools. Access is available to all users, I encourage you to sign-on and join the conversation at https://kx.lumerical.com.

Step 2: Start exploring Lumerical tools. Here is a good example to start with: https://kb.lumerical.com/en/index.html?getting_started.html

Look for more "getting started" example here:
https://kb.lumerical.com/en/index.html?getting_started.html

Step 3: Install KLayout and SiEPIC PDK following the instructions in: https://github.com/lukasc-ubc/SiEPIC_EBeam_PDK/wiki/Installation-instructions