

ECE 4339
Report Assignment - Final

Please watch these links (they overlap and can be repetitive, FF any part of each video that you already watch and understand):

Remember: they are old compared with our last lecture on current technology. But the essence is to understand the basic of microchip fabrication which hasn't changed much.

<https://www.youtube.com/watch?v=w08ShfBIR9s>
<http://www.youtube.com/watch?v=aWVywhzuHnQ>
<https://www.youtube.com/watch?v=-GQmtITMdas>
<https://www.youtube.com/watch?v=aCOyq4YzBtY>
<https://www.youtube.com/watch?v=PecKlm6VutU>
<http://www.youtube.com/watch?v=9x3Lh1ZfggM&>
<https://www.youtube.com/watch?v=CE5IHbUBDhQ>
<http://www.youtube.com/watch?v=NHICQAsN3Fs>

Write 1-2-page essay (at most 2 figures) describing about how computer chips are made and the important technologies involved (*an obvious one is photolithography. Others are about things we discussed in the last chapter about making low power devices for mobile computing*).

There are extensive overlaps in information among the videos but each has certain details or presentation that others don't. **Synthesize your knowledge** gained by watching them, and write the essay as an integrated-knowledge expository composition.