

Week 3 Student Checklist

Student checklist

- Read and get basic understanding of the overall Process Flow. This can be found at the lab webpage:
http://www-inst.eecs.berkeley.edu/~ee143/sp06/lab/fabrication_process_flow.pdf
- Read the detailed Process Flow for weeks 2 (done by head TA) and 3 available again, on the lab web site at:
<http://www-inst.eecs.berkeley.edu/~ee143/sp06/lab/NMOS-process-flow.pdf>
Week2: Field Oxidation: to know what is present on your wafer when you begin processing
Week3: Active Area Lithography: You should know what you will be implementing in the coming week.
- To understanding lithography better, please look at the Lithography video available online at:
<http://www-inst.eecs.berkeley.edu/~ee143/sp06/lab.html>
Link: <http://netshow01.eecs.berkeley.edu/eecs143/ee143-part1.wmv>
This will give you a clear picture of the experimental aspect of what you will be doing in the lab.
- Read the manuals for Nanospec and Kasper Mask Aligner Manual. These manuals are also available on the lab website, under the section “Laboratory Reference”, subsection “Laboratory Equipment Inventory”
- Please print out the Quiz for Week 3, and complete it before the lab session and bring to the lab session with you.